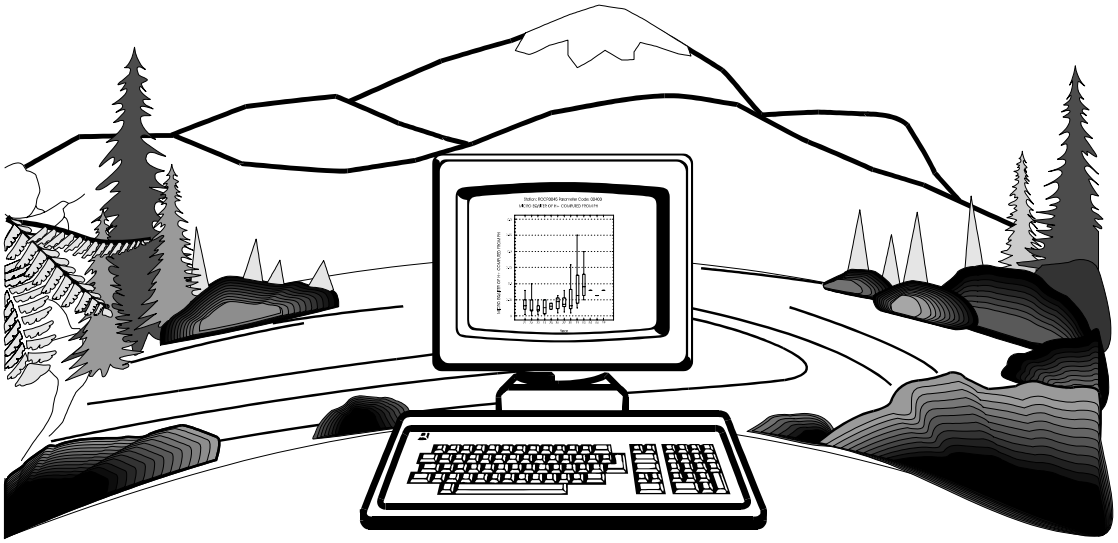
Baseline Water Quality Data

Inventory and Analysis

Cuyahoga Valley National Recreation Area



Water Resources Division and Servicewide Inventory and Monitoring Program

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BASELINE WATER QUALITY DATA

INVENTORY AND ANALYSIS

CUYAHOGA VALLEY
NATIONAL RECREATION AREA

National Park Service
Water Resources Division
Fort Collins, CO 80525

Technical Report NPS/NRWRD/NRTR-95/59

AUGUST 1995

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

EXECUTIVE SUMMARY

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

The results of the retrievals for the study area from the IFD, DRINKS, GAGES, and DAMS databases located 100 industrial/municipal dischargers, no drinking water intakes, 34 active or inactive U. S. Geological Survey (USGS) or National Weather Service gaging stations, and 16 water impoundments. The results of the STORET retrieval for the study area yielded 125,335 observations for 460 separate parameters collected by the EPA, USGS, National Park Service, and Heidelberg College at 228 monitoring stations. Of the 228 monitoring stations, two were established but contained no data (CUVA 0068, CUVA 0201); seven were used only for monitoring bottom deposits (CUVA 0055, CUVA 0056, CUVA 0059, CUVA 0175, CUVA 0185, CUVA 0186, CUVA 0211); and 48 station location descriptions were associated with municipal or industrial wastewater. Seventy-two stations were located within the park boundary. Most of the sampling stations represent either one-time or intensive single-year sampling efforts by the collecting agencies. Fifty-eight stations within the study area yielded longer-term records consisting of multiple observations for several important water quality parameters. Thirty-one stations yielding long-term records within the park are: (1) Yellow Creek (CUVA 0085); (2) Ira Creek (CUVA 0087); (3) Cuyahoga R. at Ira OH (CUVA 0088); (4) Cuyahoga R. DST Akron WWTP - Ira Rd. (CUVA 0089); (5) Furnace Run (CUVA 0095); (6) Cuyahoga R. DST Akron WWTP - Bolanz Rd. (RM 33.2) (CUVA 0099); (7) Robinson Run (CUVA 0103); (8) Langes Run (CUVA 0105); (9) Railroad Creek (CUVA 0107); (10) Dickerson Run (CUVA 0109); (11) Salt Run (CUVA 0112); (12) Oak Hill (CUVA 0113); (13) Haskell Run (CUVA 0114); (14) Boston Run (CUVA 0125); (15) Spring (CUVA 0130); (16) Columbia Run (CUVA 0132); (17) Brandywine Creek NR Mouth -Tecumseh Dr. (CUVA 0137); (18) Brandywine Creek (CUVA 0138); (19) Cuyahoga R. at Jaite - Vaughn Rd. (RM 24.10) (CUVA 0141); (20) Central Maintenance Area Creek (CUVA 0147); (21) Chippewa Creek (CUVA 0151); (22) Stone Road (CUVA 0153); (23) Sagamore Creek (CUVA 0159); (24) Cuyahoga R. at Fitzwater Rd. (RM 17.30) (CUVA 0162); (25) Brookside Road (CUVA 0163); (26) Tinkers Creek (CUVA 0164); (27) Tinkers Creek at Mouth - Canal Rd. (CUVA 0166); (28) Tinkers C NR Independence OH (CUVA 0167); (29) Tinkers Creek Near Walton Hills - Dunham Rd. (CUVA 0172); (30) Cuyahoga R. at Hillside Rd. (CUVA 0187); and (31) Ohio CA at Independence OH (CUVA 0198)[†]. Twenty-seven stations yielding long-term records within the study area, but outside of the park boundary are: (1) L. Cuyahoga R. NR Mogadore - Gilchrist Rd. (CUVA 0007); (2) Springfield Lake Outlet at Akron OH (CUVA 0010); (3) L. Cuyahoga R. at Massillon Rd. Akron OH (CUVA 0018); (4) L. Cuyahoga R. at Mogadore OH (CUVA 0020); (5) L. Cuyahoga R. at Akron - North St. (East) (CUVA 0040); (6) L. Cuyahoga R. at Akron - Otto St. Gage (RM 1.85) (CUVA 0044); (7) L. Cuyahoga R. BL Ohio CA at Akron OH (CUVA 0045); (8) L. Cuyahoga R. at Akron - Near Mouth (CUVA

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

0051); (9) Cuyahoga R. at Akron - Cuyahoga St. (CUVA 0052); (10) Cuyahoga R. at Station Rd. (CUVA 0053); (11) Cuyahoga R. UPST Akron WWTP - Old Portage Trail (CUVA 0062); (12) Cuyahoga R. at Old Portage OH (CUVA 0063); (13) Cuyahoga R. UPST Akron WWTP - At Trunkline (CUVA 0069); (14) Cuyahoga R. at Botzum - Bath Rd. (CUVA 0083); (15) Peninsula Creek (CUVA 0118); (16) Cuyahoga R. at Peninsula - S.R. 303 (RM 29.08) (CUVA 0122); (17) Tinkers Creek at Solon - Pettibone Rd. (CUVA 0135); (18) Tinkers Crk. UPST Bedford Hts. WWTP (CUVA 0179); (19) Tinkers Creek DST Bedford Hts. WWTP - DST I-271 (CUVA 0189); (20) Tinkers C. at Bedford OH (CUVA 0192); (21) Tinkers Creek at Bedford - S.R. 14 (RM 6.32) (CUVA 0193); (22) Cuyahoga R. at Independence OH (CUVA 0202); (23) Cuyahoga R. at Independence - Old Rockside Rd. (CUVA 0203); (24) Cuyahoga River at Independence Ohio (CUVA 0204); (25) Mill Creek at Garfield Hts. - Canal Rd. (CUVA 0214); (26) Cuyahoga R. DST Southerly WWTP - Conrail RR (CUVA 0224); and (27) Cuyahoga R. UPST Cleveland Southerly WWTP (CUVA 0226)[††].

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 CUVA water quality criteria screen found 28 parameters that exceeded screening criteria at least once within the study area. Dissolved oxygen, pH, cyanide, chloride, chlorine, cadmium, chromium, copper, lead, mercury, silver, and zinc exceeded their respective EPA acute or chronic criteria for the protection of freshwater aquatic life. Nitrite, nitrate, nitrite plus nitrate, cyanide, chloride, fluoride, antimony, arsenic, cadmium, chromium, lead, mercury, nickel, thallium, atrazine, lindane, pentachlorophenol, and simazine exceeded their respective EPA drinking water criteria. Bacteria concentrations (total coliform, fecal coliform, and *E. coli*), and turbidity exceeded the WRD screening limits for freshwater bathing and aquatic life, respectively.

Dissolved oxygen concentrations were measured 3,384 times at 165 monitoring stations from 1964 through 1994. Of the 3,325 observations used in the criteria analysis (see Composite Type Screen in the Methodology for explanation), 92 observations at 34 monitoring stations were below the 4 milligrams per liter (mg/L) EPA criterion for the protection of freshwater aquatic life. The criterion was exceeded primarily in streams and lakes throughout the study area.

The pH was measured 4,243 times at 179 monitoring stations throughout the study area from 1964 through 1994. Of the 4,180 observations used in the criteria analysis (see Composite Type Screen in the Methodology for explanation), 37 observations at 18 monitoring stations were outside the pH range of 6.5 to 9.0 standard units (su) (EPA chronic criteria for freshwater aquatic life). Six observations were greater than or equal to pH 9.0, and 31 observations were less than or equal to pH 6.5. The highest reported pH was 9.4 su at Deer Lick Run in Bedford Reservation (CUVA 0181) in October 1984. The lowest pH was 2.27 su in Railroad Creek (CUVA 0107) in July 1989.

Turbidity was measured 2,444 times at 41 monitoring stations from 1973 through 1994. Of the 2,391 observations used in the criteria analysis (see Composite Type Screen in the Methodology for explanation), 186 observations at 28 monitoring stations exceeded the WRD screening criterion of 50 JTU/FTU/NTU. Fifty-five percent of the observations exceeding the screening criterion were recorded at four stations: Ira Road Bridge (CUVA 0090), Boston Mills Road Bridge (CUVA 0129), Rockside Road Bridge (CUVA 0199), and Cuyahoga River at Independence, Ohio (CUVA 0202).

Total coliform concentrations were determined 134 times at six monitoring stations in the Cuyahoga and Little Cuyahoga Rivers from 1964 through 1974. Of the 127 observations used in the criteria analysis (see Composite Type Screen in the Methodology for explanation), 125 observations at all six stations exceeded the 1,000 CFU per

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

100 ml WRD screening criterion. The criterion was primarily exceeded at stations upstream and downstream of the wastewater treatment plant at Akron, Ohio (CUVA 0069, CUVA 0089). Fecal coliform concentrations were determined 2,667 times at 111 stations from 1964 through 1994. Of the 2,638 observations used in the criteria analysis (see Composite Type Screen and Remark Code Screen in the Methodology for explanation), 1,960 observations at 99 stations throughout the study area exceeded the 200 CFU per 100 ml WRD screening criterion. *E. coli* concentrations were determined 1,010 times at 26 monitoring stations from 1990 through 1994. Eight-hundred-ten observations at 25 monitoring stations exceeded the freshwater bathing criterion of 126 CFU per 100 ml.

Nitrite concentrations (including dissolved and total as N) were measured 1,238 times at 123 monitoring stations from 1973 through 1994. Of the 1,215 observations used in the criteria analysis (see Composite Type Screen in the Methodology for explanation), two total concentrations of 2.36 mg/L and 1.36 mg/L in the Cuyahoga River at Station Road (CUVA 0053) and downstream of the Akron wastewater treatment plant (CUVA 0089), respectively, exceeded the drinking water criterion of 1.0 mg/L in August 1974.

Nitrate concentrations (including dissolved and total as N, and dissolved as NO_3) were measured 518 times at 14 monitoring stations from 1964 through 1989. Of the 516 observations used in the criteria analysis (see Composite Type Screen in the Methodology for explanation), one total concentration (as N) of 11 mg/L exceeded the drinking water criterion of 10 mg/L in Tinkers Creek at Bedford, Ohio (CUVA 0192) in August 1975. One dissolved concentration (as NO_3) of 44 mg/L equaled the drinking water criterion in the Cuyahoga River at Independence, Ohio (CUVA 0202) in September 1972.

Nitrite plus nitrate concentrations (including dissolved and total as N) were measured 7,096 times at 133 monitoring stations from 1973 through 1994. Of the 7,071 observations used in the criteria analysis (see Composite Type Screen in the Methodology for explanation), 22 concentrations at nine monitoring stations in the northern part of the study area exceeded the drinking water criterion of 10 mg/L (CUVA 0177, CUVA 0184, CUVA 0192, CUVA 0194, CUVA 0196, CUVA 0204, CUVA 0217, CUVA 0219, CUVA 0221). Six of the nine stations are associated with wastewater treatment plants.

Total chloride concentrations were measured 7,753 times at 113 monitoring stations from 1964 through 1994. Of the 7,739 observations used in the criteria analysis (see Composite Type Screen and Remark Code Screen in the Methodology for explanation), 241 observations at 28 stations throughout the study area exceeded the drinking water criterion of 250 mg/L. Forty-five percent of the observations exceeding the drinking water criterion were measured in the Cuyahoga River at Independence, Ohio (CUVA 0202). Three observations in Mill Creek or a tributary to Mill Creek (CUVA 0205, CUVA 207, CUVA 0214) exceeded the acute freshwater criterion of 860 mg/L.

Total residual chlorine concentrations were measured 19 times at 5 monitoring stations from 1975 through 1991. Two observations of 0.13 mg/L and 0.12 mg/L exceeded the acute freshwater criterion of 0.019 mg/L in the Cuyahoga River at Botzum (CUVA 0083) in July and September 1991, respectively. Twelve observations ranging from 0.44 mg/L to 5.3 mg/L exceeded the criterion in the Maple Heights STP effluent (CUVA 0190) in January 1975.

Fluoride concentrations (including dissolved and total as F) were measured 527 times at 20 monitoring stations from 1964 through 1994. One concentration of 12 mg/L in Summit Lake in Akron (CUVA 0001) exceeded the drinking water criterion of 4.0 mg/L in October 1978.

Total cyanide concentrations were measured 361 times at 55 monitoring stations from 1969 through 1993. Of the 360 observations used in the criteria analysis (see Composite Type Screen in the Methodology for explanation), 18 observations at seven stations, primarily in the northern part of the study area, exceeded the drinking water criterion of 0.2 mg/L and/or the acute freshwater criterion of 0.022 mg/L (CUVA 0044, CUVA 0177, CUVA 0181, CUVA 0203, CUVA 0214, CUVA 0227, CUVA 0228).

Total antimony concentrations were measured 12 times at two monitoring stations in 1991. Two concentrations of 22 µg/L and 30 µg/L in Mill Creek at Garfield Heights (CUVA 0214) exceeded the drinking water criterion of 6.0 µg/L in September 1991.

Arsenic concentrations (including dissolved, suspended, and total) were measured 526 times at 73 monitoring stations from 1970 through 1993. Of the 520 observations used in the criteria analysis (see Composite Type Screen in the Methodology for explanation), four total concentrations exceeded the drinking water criterion of 50 µg/L in Summit Lake at Akron (CUVA 0004, CUVA 0008, CUVA 0012), and Deer Lick Run in Bedford Reservation (CUVA 0181).

Cadmium concentrations (including dissolved, suspended, and total) were measured 1,256 times at 148 monitoring stations from 1969 through 1994. Of the 1,227 observations used in the criteria analysis (see Composite Type Screen in the Methodology and EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 202 observations at 31 monitoring stations throughout the study exceeded the drinking water criterion of 5.0 µg/L and/or the acute freshwater criterion of 3.9 µg/L.

Chromium concentrations (including dissolved, suspended, hexavalent, and total) were measured 1,270 times at 154 monitoring stations from 1969 through 1994. Of the 1,261 observations used in the criteria analysis (see Composite Type Screen in the Methodology for explanation), 28 hexavalent concentrations at nine monitoring stations exceeded the drinking water criterion of 100 µg/L and/or the acute freshwater criterion of 16 µg/L (CUVA 0044, CUVA 0053, CUVA 0089, CUVA 0137, CUVA 0182, CUVA 0193, CUVA 0194, CUVA 0203, CUVA 0214). Fifteen total concentrations at 11 monitoring stations exceeded the drinking water criterion of 100 µg/L (CUVA 0004, CUVA 0008, CUVA 0076, CUVA 0167, CUVA 0168, CUVA 0169, CUVA 0181, CUVA 0194, CUVA 0214, CUVA 0225, CUVA 0227).

Copper concentrations (including dissolved, suspended, and total) were measured 1,399 times at 161 monitoring stations from 1969 through 1994. Of the 1,391 observations used in the criteria analysis (see Composite Type Screen in the Methodology for explanation), 304 concentrations at 71 monitoring stations throughout the study area exceeded the acute freshwater criterion of 18 µg/L.

Lead concentrations (including dissolved, suspended, and total) were measured 1,372 times at 163 monitoring stations from 1969 through 1994. Of the 1,364 observations used in the criteria analysis (see Composite Type Screen in the Methodology and EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 204 concentrations at 57 monitoring stations throughout the study area exceeded the acute freshwater criterion of 82 µg/L and/or the drinking water action level of 15 µg/L.

Mercury concentrations (including dissolved, suspended, and total) were measured 342 times at 39 monitoring stations from 1970 through 1991. Of the 336 observations used in the criteria analysis (see Composite Type Screen in the Methodology and EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), eight total concentrations in the Cuyahoga River (CUVA 0063, CUVA 0202, CUVA 0203) exceeded the acute freshwater criterion of 2.4 µg/L and/or the drinking water criterion of 2.0 µg/L.

Nickel concentrations (including dissolved, suspended, and total) were measured 1,132 times at 135 monitoring stations from 1969 through 1994. Of the 1,124 observations used in the criteria analysis (see Composite Type Screen in the Methodology and EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 50 observations at 13 monitoring stations exceeded the drinking water criterion of 100 µg/L (CUVA 0004, CUVA 0044, CUVA 0062, CUVA 0168, CUVA 0169, CUVA 0181, CUVA 0183, CUVA 0193, CUVA 0203, CUVA 0214, CUVA 0216, CUVA 0225, CUVA 0228).

Silver concentrations (including dissolved, suspended, and total) were measured 129 times at 12 monitoring stations from 1973 through 1994. Of the 121 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 14 observations

exceeded the acute freshwater criterion of 4.1 µg/L in the Little Cuyahoga River at Akron (CUVA 0044), Tinkers Creek at Bedford (CUVA 0193), and Cuyahoga River at Independence, Ohio (CUVA 0202, CUVA 0203).

Total thallium concentrations were measured 12 times at two monitoring stations in 1991. One concentration of 8 µg/L in Mill Creek at Garfield Heights (CUVA 0214) exceeded the drinking water criterion of 2.0 µg/L in September 1991.

Zinc concentrations (including dissolved, suspended, and total) were measured 1,416 times at 162 monitoring stations from 1969 through 1994. Of the 1,408 observations used in the criteria analysis (see Composite Type Screen in the Methodology for explanation), 128 observations at 55 monitoring stations throughout the study area exceeded the acute freshwater criterion of 120 µg/L .

Atrazine concentrations were measured 112 times in the Cuyahoga River at Independence, Ohio (CUVA 0204) from 1981 through 1987. Of the 57 observations used in the criteria analysis (see Remark Code Screen in the Methodology for explanation), one concentration of 3.747 µg/L exceeded the drinking water criterion of 3.0 µg/L in May 1986.

Lindane concentrations were measured 67 times at four monitoring stations from 1973 through 1982. One concentration of 0.850 µg/L in the Cuyahoga River at Independence (CUVA 0203) exceeded the drinking water criterion of 0.2 µg/L in June 1977.

Pentachlorophenol (PCP) was measured once in the Cuyahoga River at Independence (CUVA 0203) in July 1988. The concentration of 15.8 µg/L exceeded the drinking water criterion of 1 µg/L.

Simazine concentrations were measure 111 times in the Cuyahoga River at Independence, Ohio (CUVA 0204) from 1981 through 1987. Of the 83 observations used in the criteria analysis (see Remark Code Screen in the Methodology for explanation), six concentrations, ranging from 4 µg/L to 11 µg/L, equaled or exceeded the drinking water criterion of 4.0 µg/L.

The IDEA conducted for CUVA indicates that STORET data exist for all Level I parameter groups in the park. Sufficient quantities of timely data were retrieved for the required chemical parameters. Results for 103 of the 127 EPA priority toxic pollutants (consisting of inorganic parameters, general organics, pesticides, and PCBs) were retrieved from STORET. The organic data were primarily from the Cuyahoga River at Independence, Ohio (CUVA 0202, CUVA 0203, CUVA 0204).

Surface water resources in the CUVA study area include the Cuyahoga River and numerous perennial and ephemeral streams. Water quality has been historically affected by industrial and municipal wastewater discharges from the cities of Cleveland and Akron, and a wide variety of public and private land uses including recreation, agriculture, and residential development. The data inventories and analyses contained in this report confirm that surface waters within the study area have been heavily impacted by these human activities.

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INTRODUCTION

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

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

Goal

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

Purpose

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

Objectives

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

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

2. Develop a complete inventory of all retrieved data;

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

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

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

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

Document Overview

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

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

Caveats

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

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

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

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

Key Personnel

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

National Park Service, Water Resources Division:

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

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

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

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

Julie Mattick and Scott Hermsen helped prepare the report and write the Executive Summary.

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

Ken Akerman uploaded water quality data to STORET prior to report preparation.

Jacquie Nolan designed the cover and provided publications support.

Horizon Systems:

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

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

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

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

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

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

Other National Park Service:

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

METHODOLOGY

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

Delineation of Park Study Area

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

Data Sources

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

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

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

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

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

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

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

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

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

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

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

Data Retrieval and Analysis Procedures

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

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

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

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

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

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

Park Unit Databases

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

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

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

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

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

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

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

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

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

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

Screening Methodologies and Procedures

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

STORET Edit Criteria

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

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

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

Date Screen

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

Station Type Screen

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

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

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

Phase 0 Parameter Screen

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

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

Phase 1 Parameter Screen

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

Media Type Screen

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

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

Remark Code Screen

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

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

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

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

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

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

Composite Type Screen

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

Table D. Possible STORET Composite Type Codes

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

Phase 2 Parameter Screen

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

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

Observations/Period of Record Screen

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

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

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

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

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

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

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

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

Statistical Definitions

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

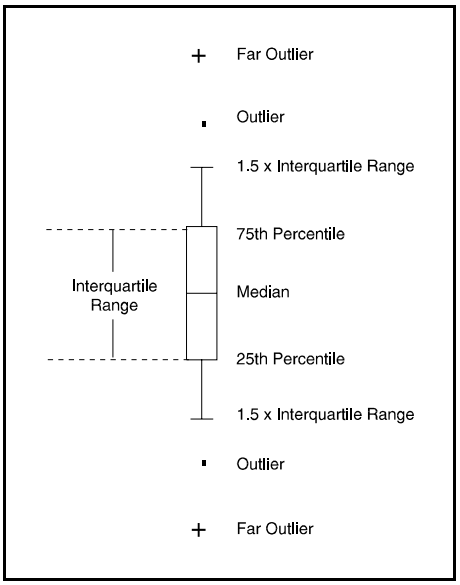
Table H. Definition of Descriptive Statistics Contained in Inventory, Annual, and Seasonal Tables

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

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

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

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



INTERPRETIVE GUIDE

TO WATER QUALITY RESULTS

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

Overview

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

Regional Location Map

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

Water Quality Monitoring Locations Map(s)

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

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

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

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

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

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

Representative Mean Annual Hydrograph for Seasonal Analysis

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

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

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

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

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

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

Contacts for Agency Codes Retrieved

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

Quantity of Data Retrieved by Agency Code

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

Station Period of Record Tabulation

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

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

Parameter Period of Record Tabulation

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

Station/Parameter Period of Record Tabulation

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

Station-By-Station Results

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

Station Inventory for Station

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

Parameter Inventory for Station

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

Two downloaded parameter groups, pH and bacteriological, received special treatment whenever descriptive statistics were computed in the Parameter Inventory (as well as subsequent annual and seasonal tables). Whenever pH appears in a descriptive statistics table, the entry is increased to 3 entries: (1) the original pH entry; (2) pH computed from conversion to and from 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 disk (See Appendices A and B).

Time Series Plots for Station

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

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

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

Annual Analysis for Station

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

Annual Box-and-Whiskers Plots for Station

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

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

Seasonal Analysis for Station

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

Seasonal Box-and-Whiskers Plots for Station

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

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

EPA Water Quality Criteria Analysis for Entire Park Study Area

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

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

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

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

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

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

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

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

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

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

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

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

Water Quality Observations Outside STORET Edit Criteria for Park

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

WATER QUALITY RESULTS

OVERVIEW FOR CUVA[1]

Study Area Boundary Description

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

	Study Area	Park
GIS Estimated Acreage:	175930	33894
# STORET Stations:	228	72
# Stations With No Data:	2	0
# Stations With No Stat. Analysis:	0	0
# Longer Term Stations:	58	31
Date of STORET Retrieval:	05/18/95	05/18/95
Period of Record:	01/22/57-12/15/94	09/07/65-10/03/94
# Parameters Measured:	460	146
# Water Quality Observations:	125335	26334
# Industrial/Municipal Facilities:	100	12
# Drinking Water Intakes:	0	0
# Water Gages:	34	8
# Water Impoundments:	16	4
# Total Plots:	109	0
# Time Series:	41	0
# Annual:	40	0
# Seasonal:	28	0

Hydrologic Definition of Seasons:

1. July 1 - October 31
2. November 1 - March 14
3. March 15 - June 30

Time Series Plot Criteria:

To be included in the time series plots, a station/parameter combination must have at least 20 years and at least 120 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:

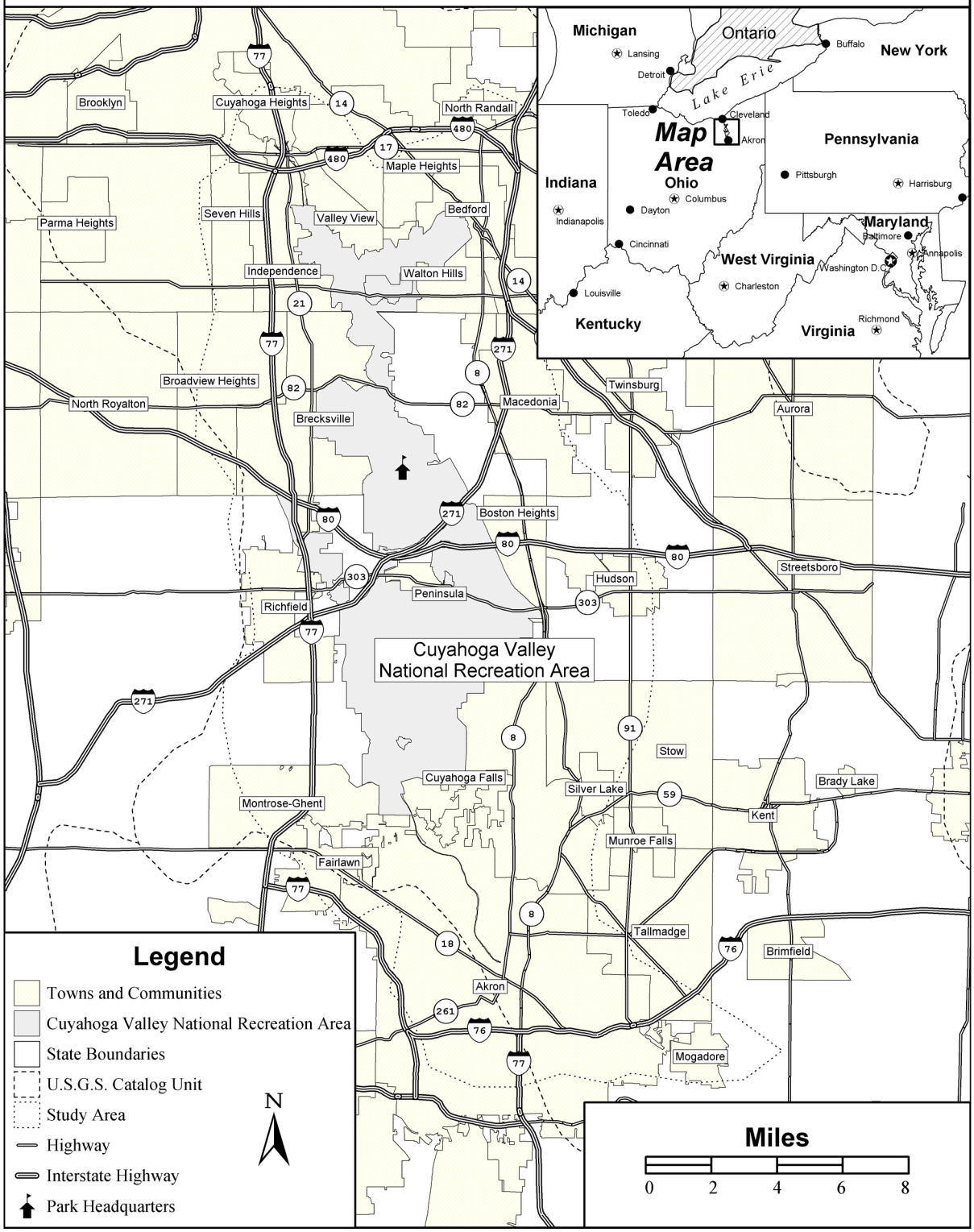
To be included in the seasonal box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 22 years and observations in at least 4 of the 22 years.

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

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

Cuyahoga Valley National Recreation Area

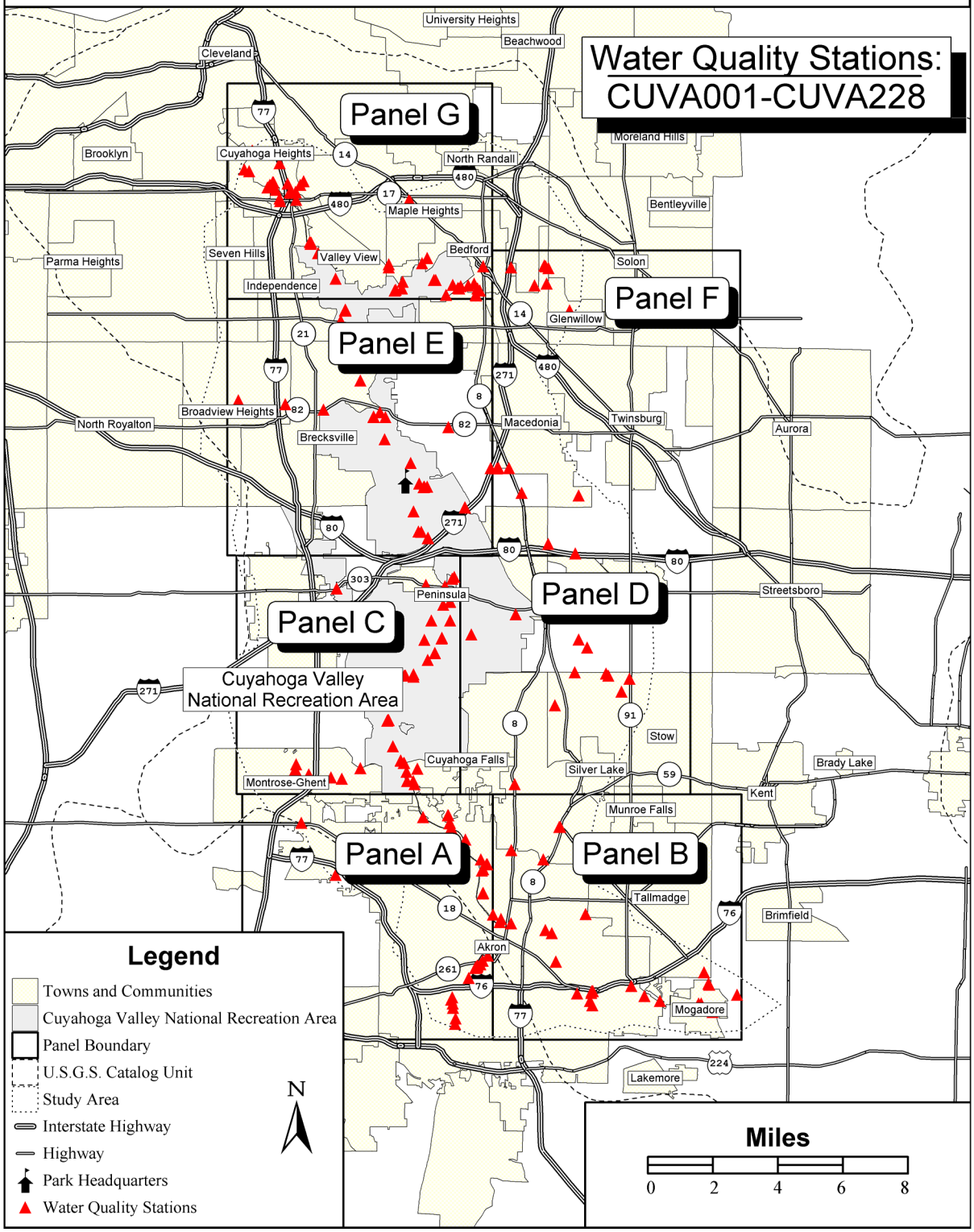
Regional Location Map



Cuyahoga Valley National Recreation Area

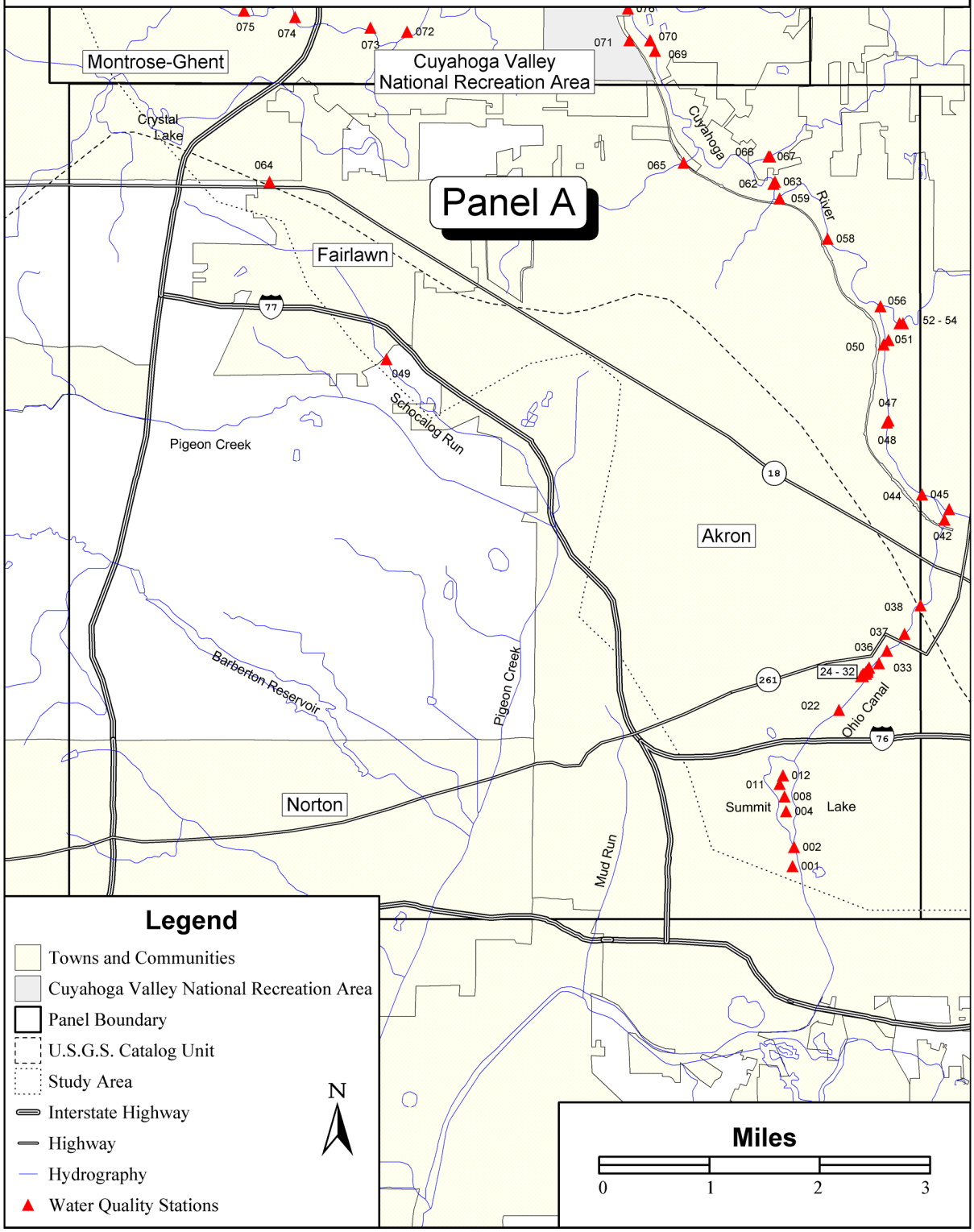
Water Quality Monitoring Locations

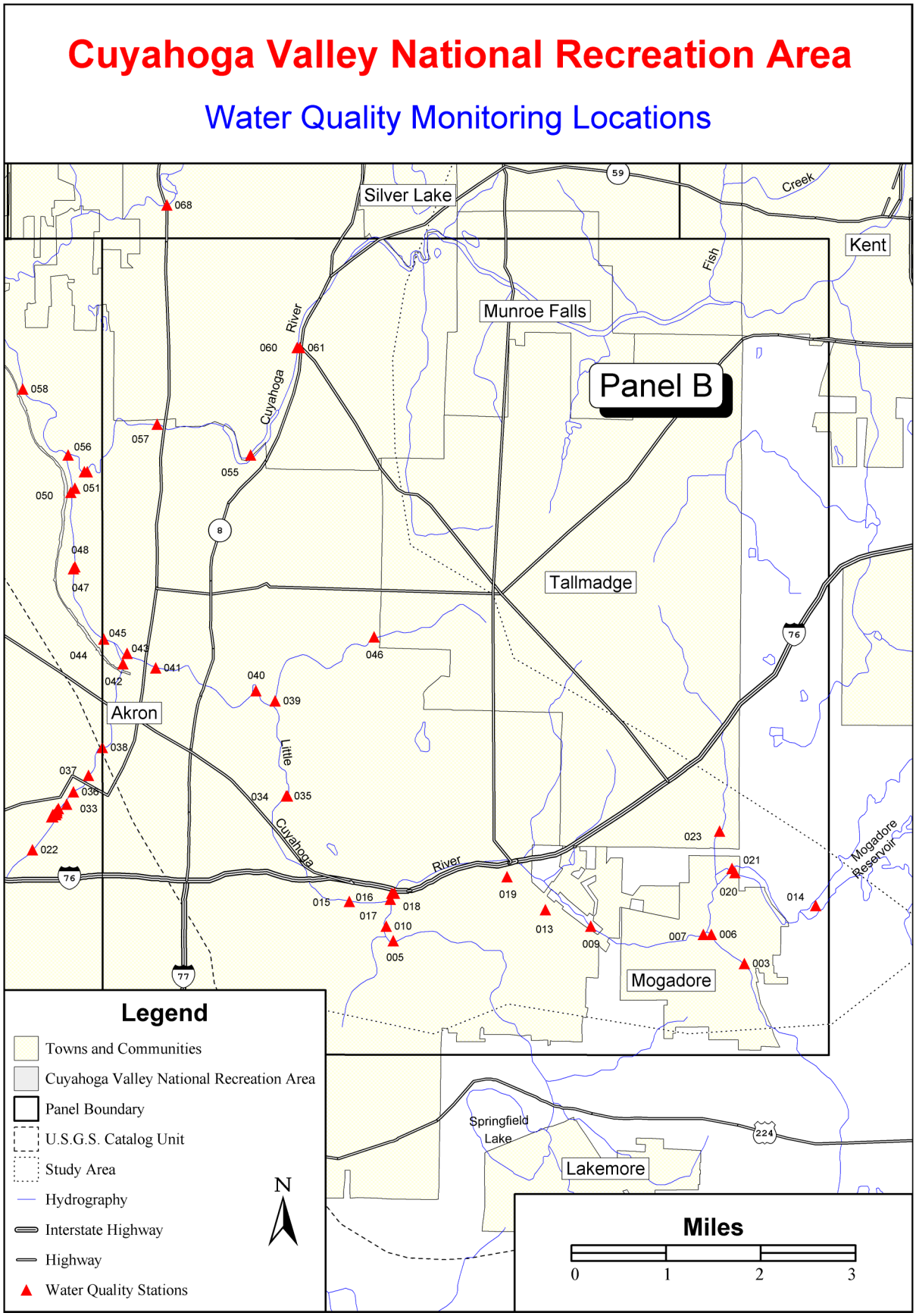
Graphic Panel Index



Cuyahoga Valley National Recreation Area

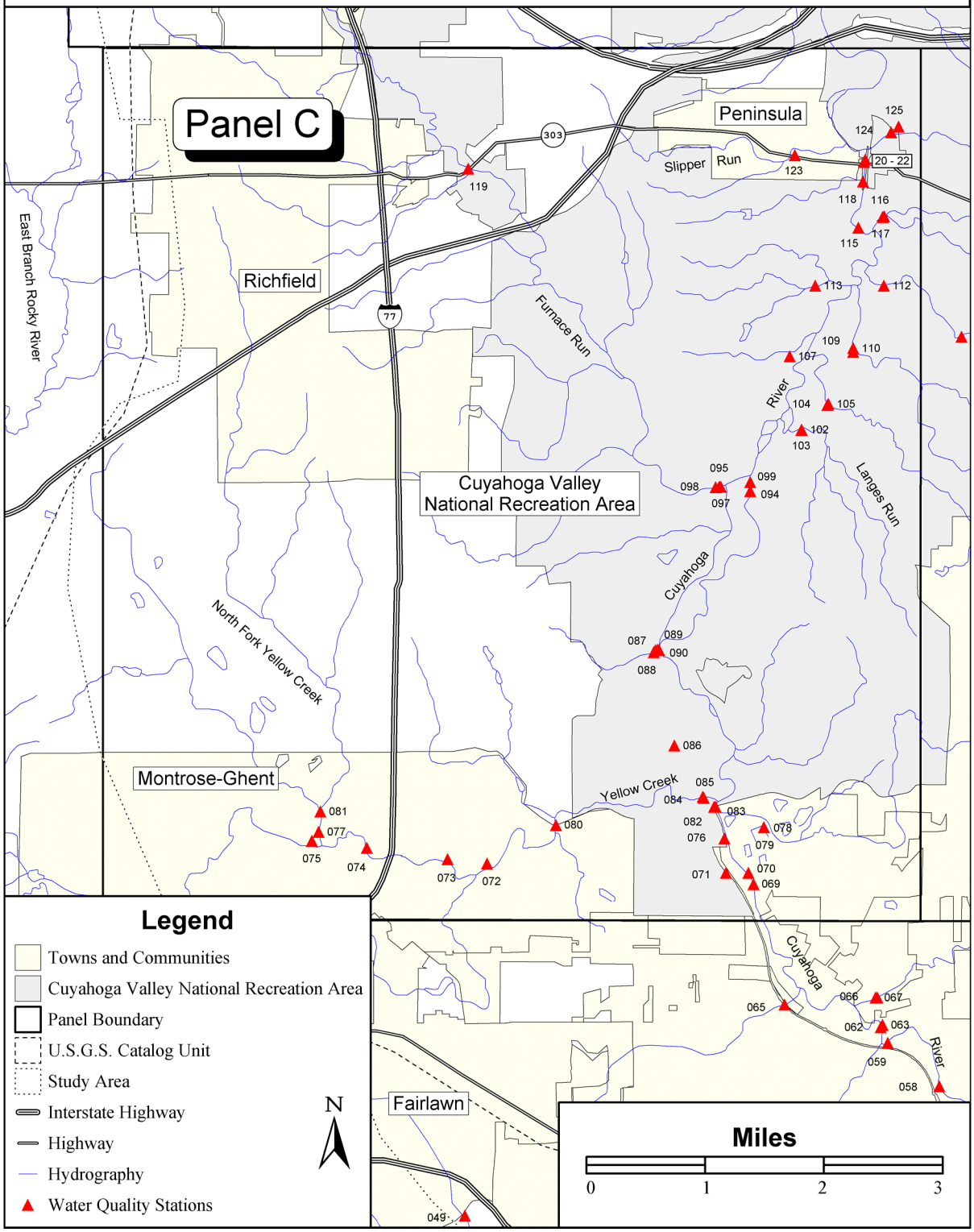
Water Quality Monitoring Locations




Cuyahoga Valley National Recreation Area
Water Quality Monitoring Locations
Panel B
Silver Lake
Munroe Falls
Kent
Tallmadge
Akron
Mogadore
Lakemore
Springfield Lake
Cuyahoga River
Little Cuyahoga River
Fish Creek
Mogadore Reservoir
Legend
Towns and Communities
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U.S.G.S. Catalog Unit
Study Area
Hydrography
Interstate Highway
Highway
Water Quality Stations
N
Miles
0
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3

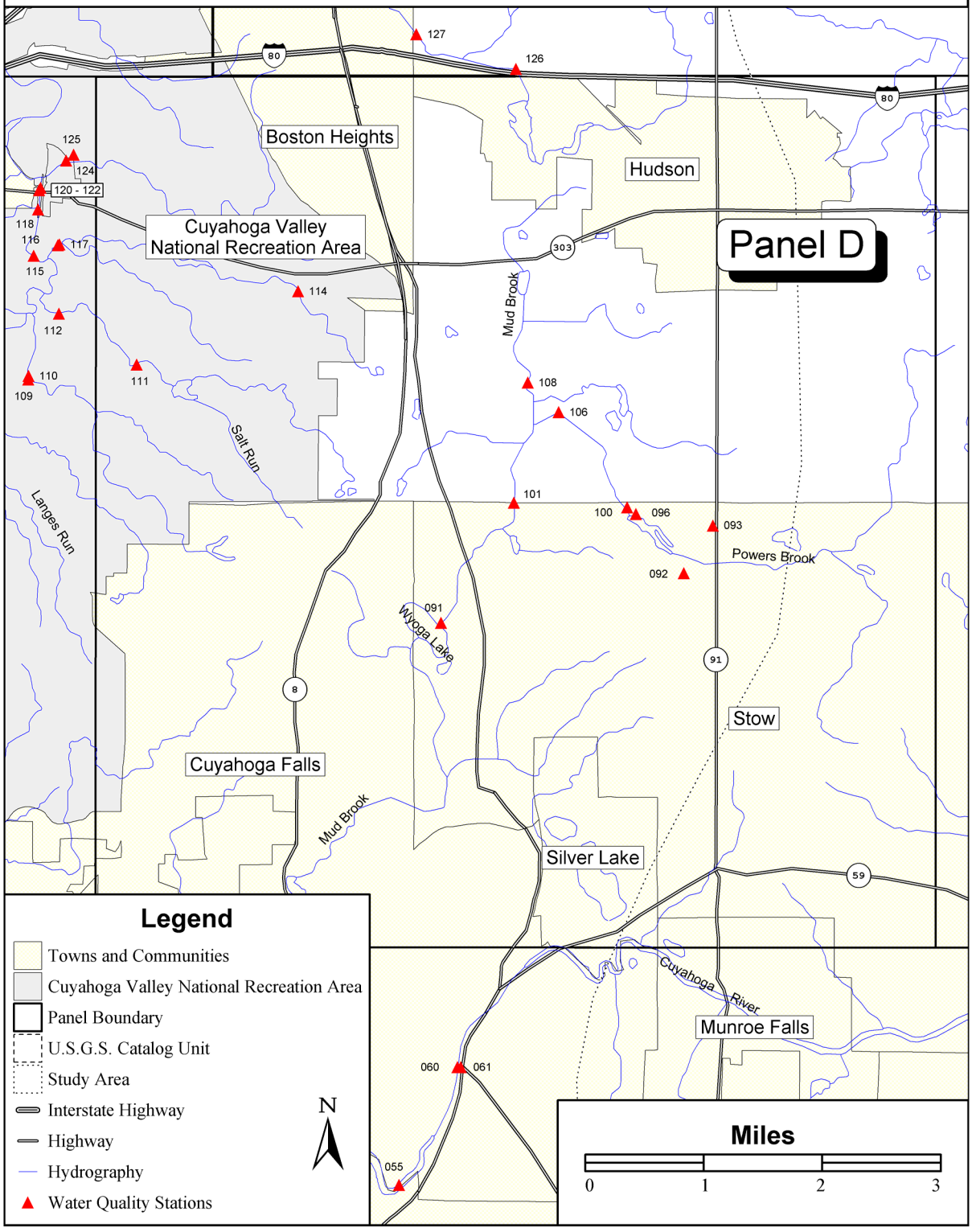
Cuyahoga Valley National Recreation Area

Water Quality Monitoring Locations



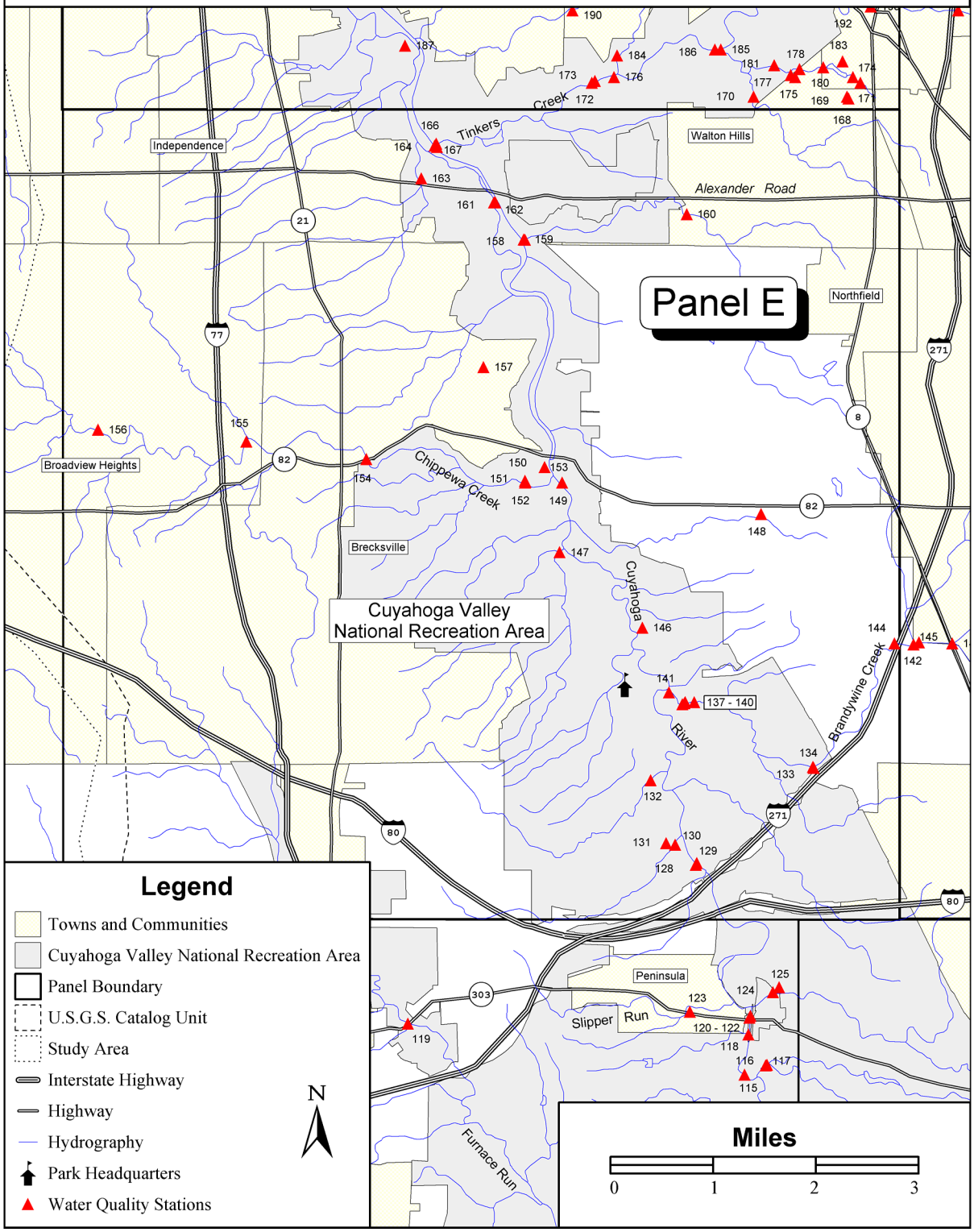
Cuyahoga Valley National Recreation Area

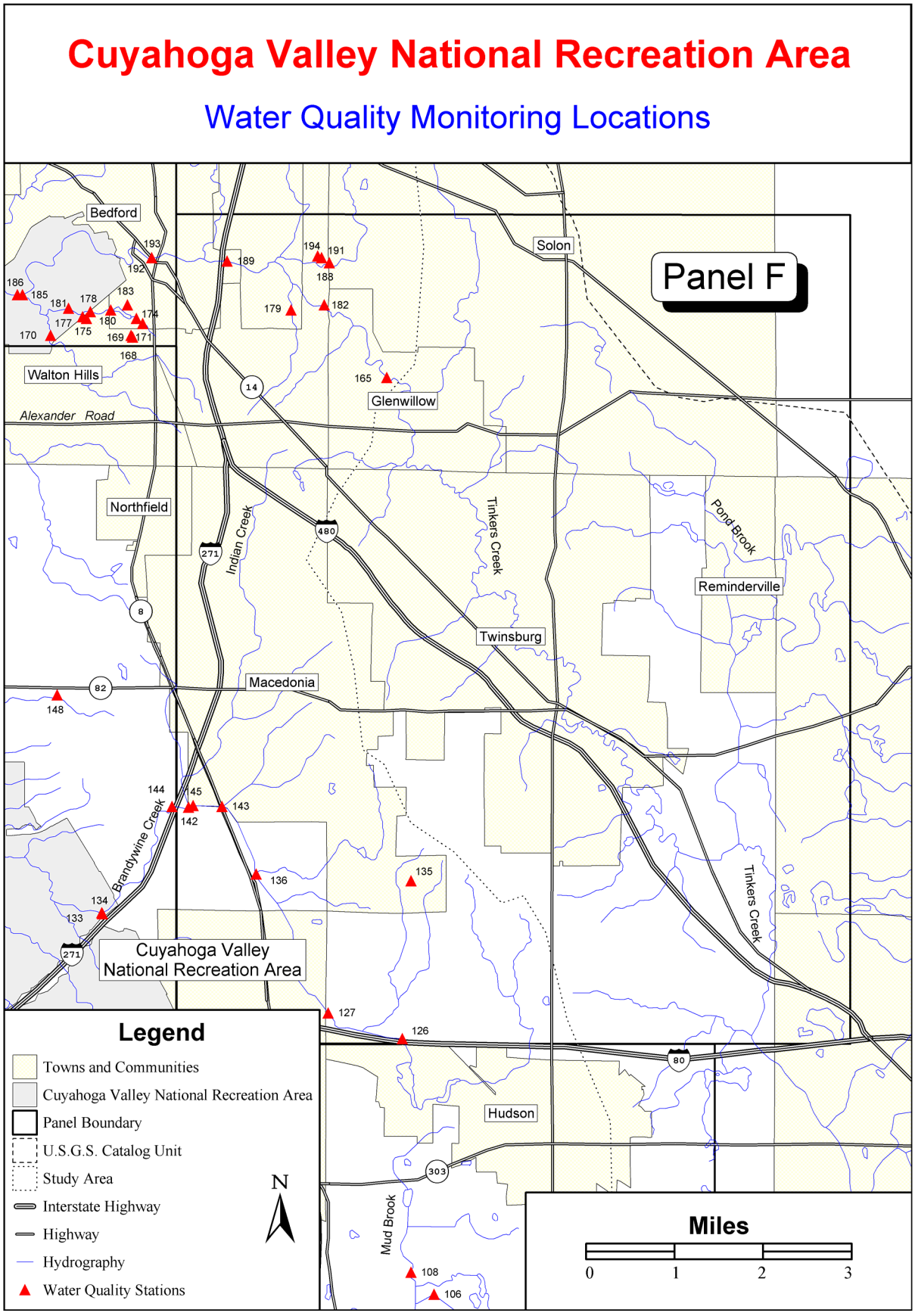
Water Quality Monitoring Locations



Cuyahoga Valley National Recreation Area

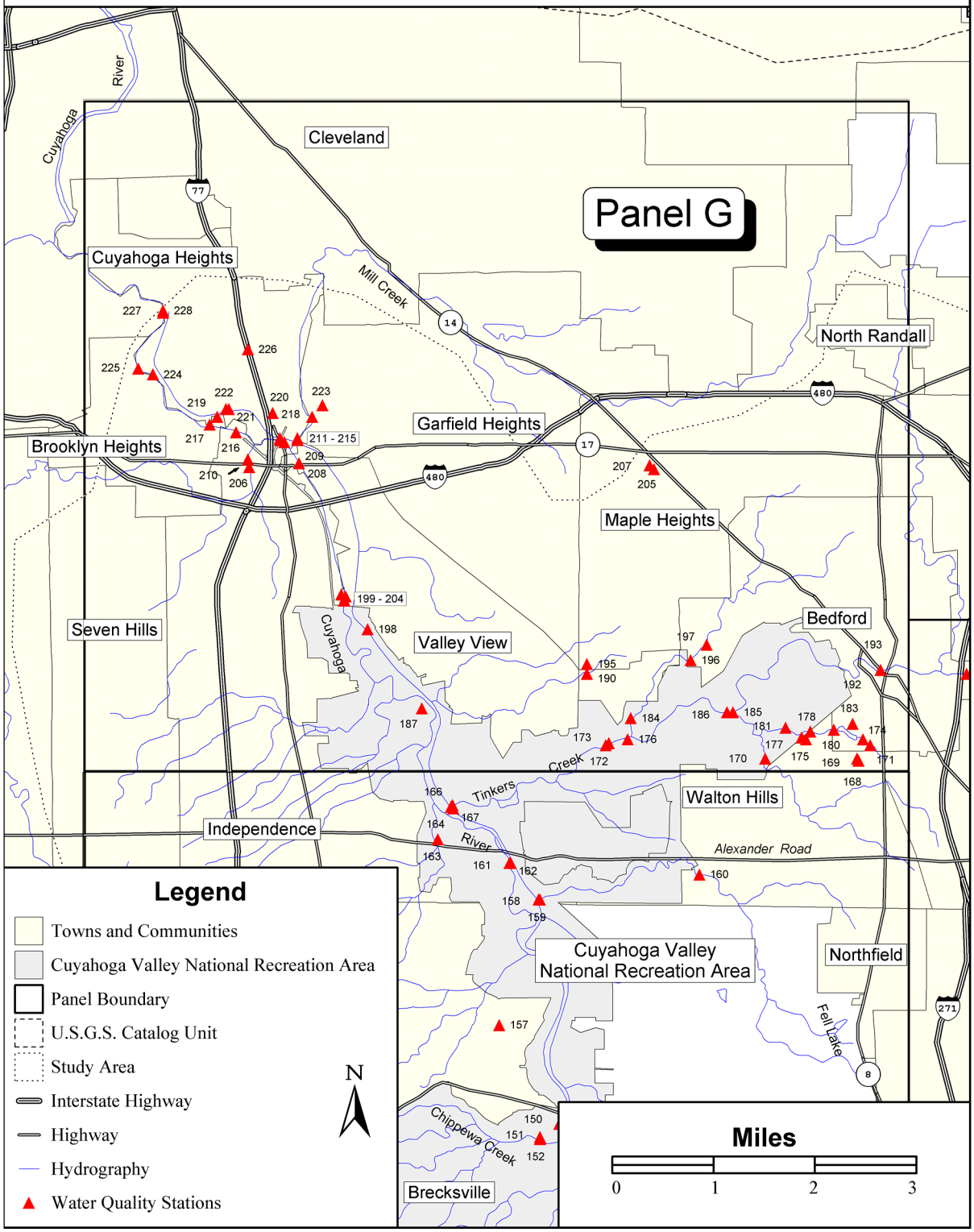
Water Quality Monitoring Locations




Cuyahoga Valley National Recreation Area
Water Quality Monitoring Locations
Panel F
Bedford
Walton Hills
Alexander Road
Northfield
Solon
Glenwillow
Macedonia
Twinsburg
Reminderville
Hudson
Cuyahoga Valley National Recreation Area
Indian Creek
Tinkers Creek
Pond Brook
Brandywine Creek
Mud Brook
193
192
189
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191
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186
185
181
178
183
179
182
177
175
180
174
170
169
171
168
165
148
144
45
143
142
136
135
134
133
127
126
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106
14
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271
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82
80
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N
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Cuyahoga Valley National Recreation Area

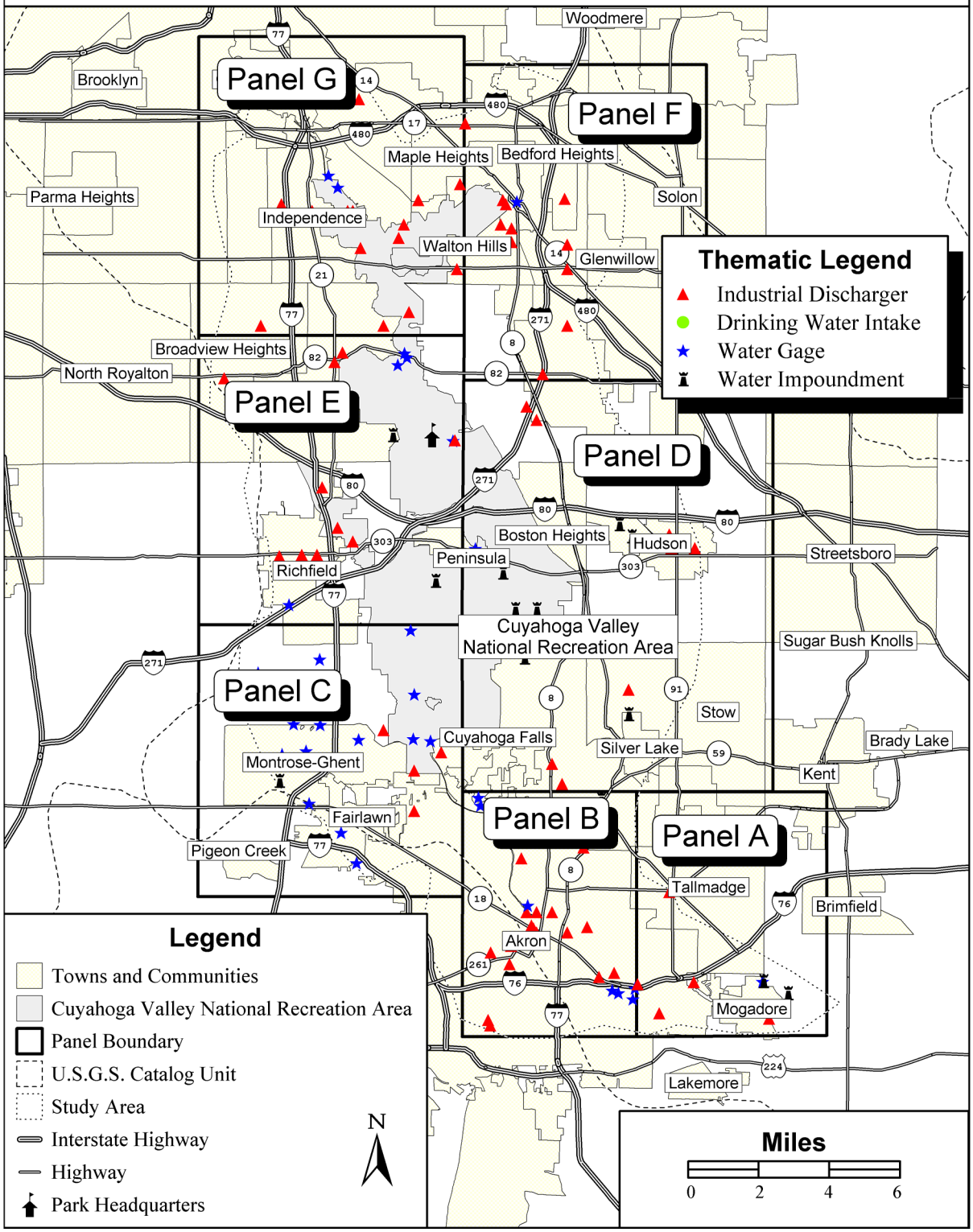
Water Quality Monitoring Locations



Cuyahoga Valley National Recreation Area

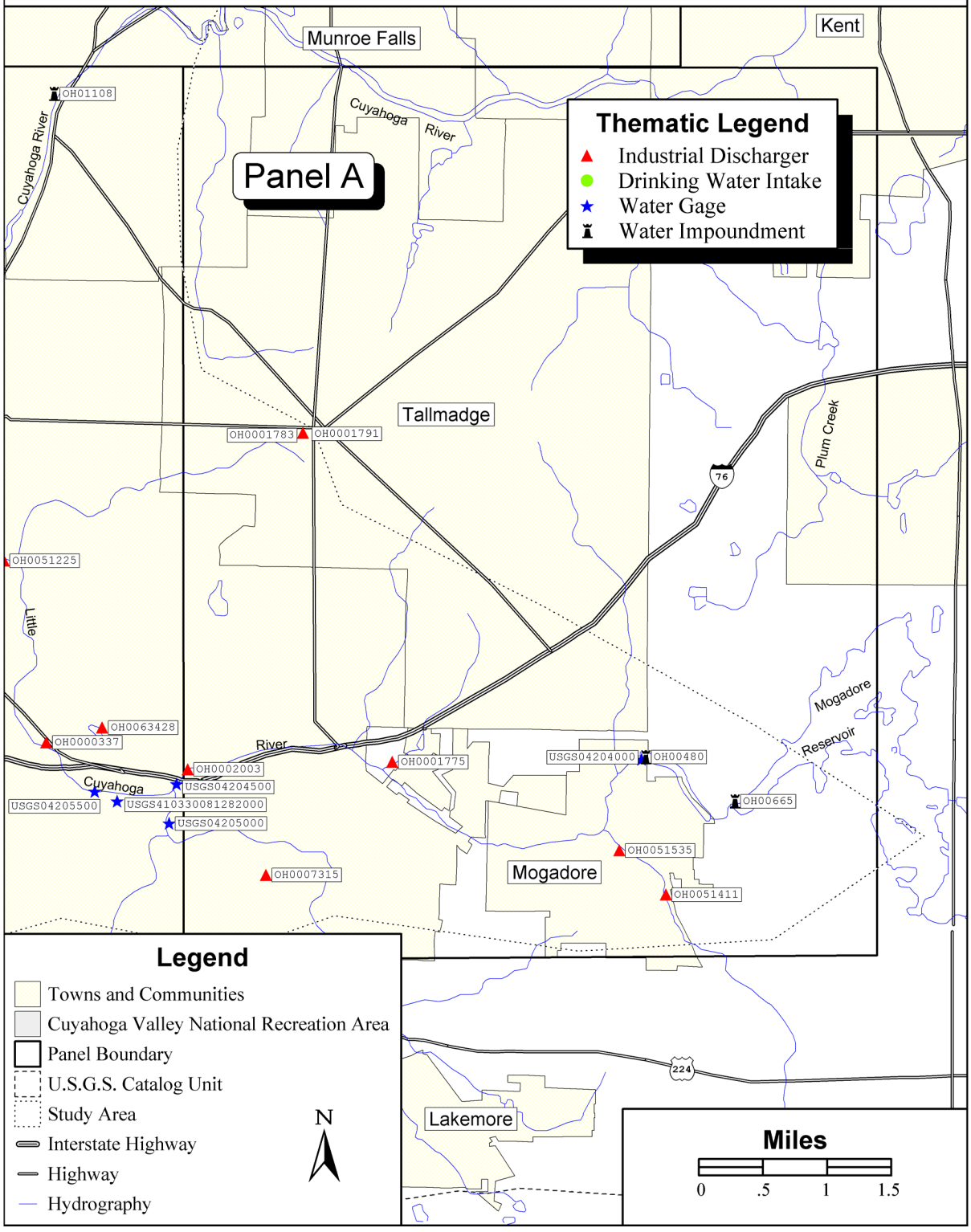
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments

Graphic Panel Index



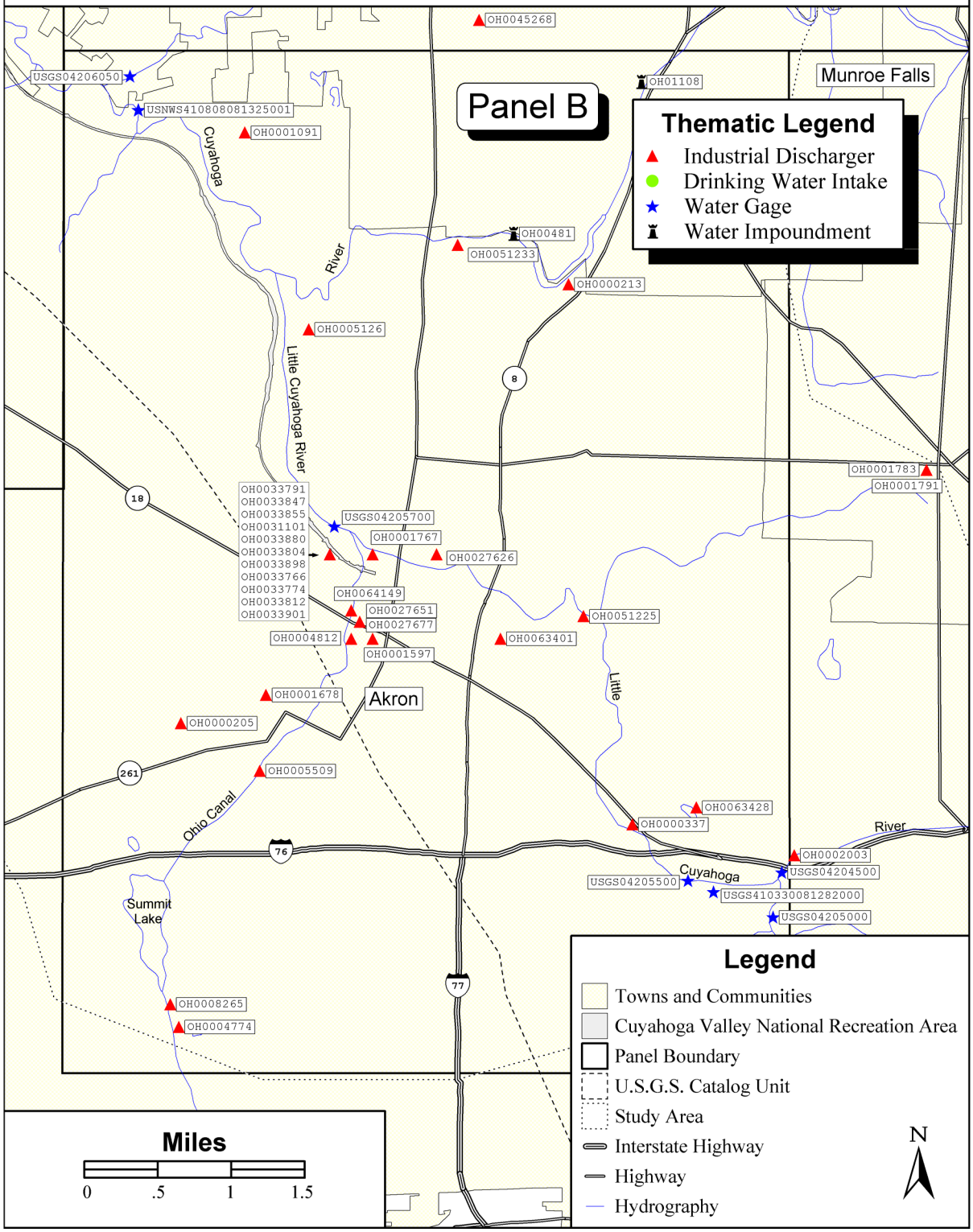
Cuyahoga Valley National Recreation Area

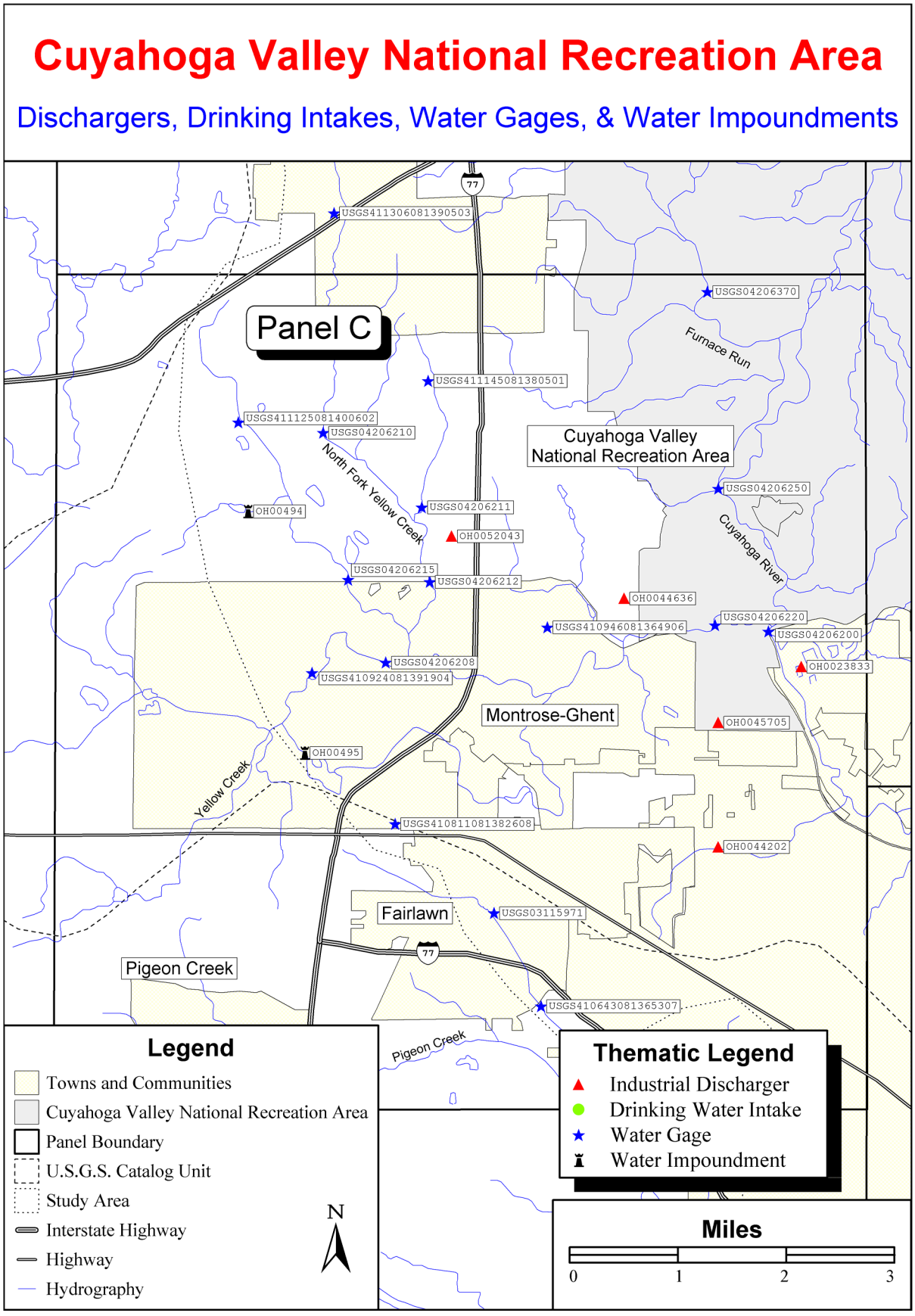
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



Cuyahoga Valley National Recreation Area

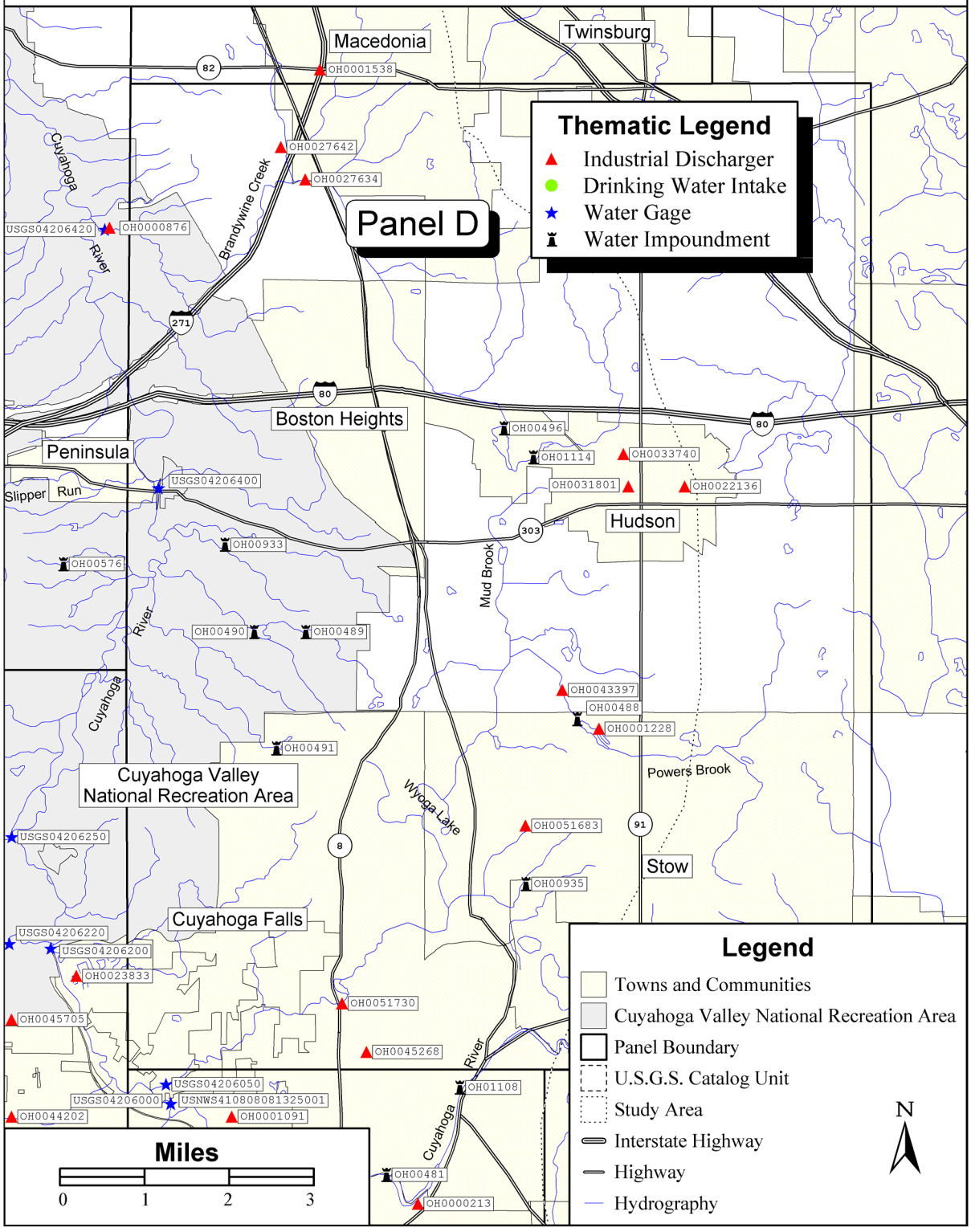
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments

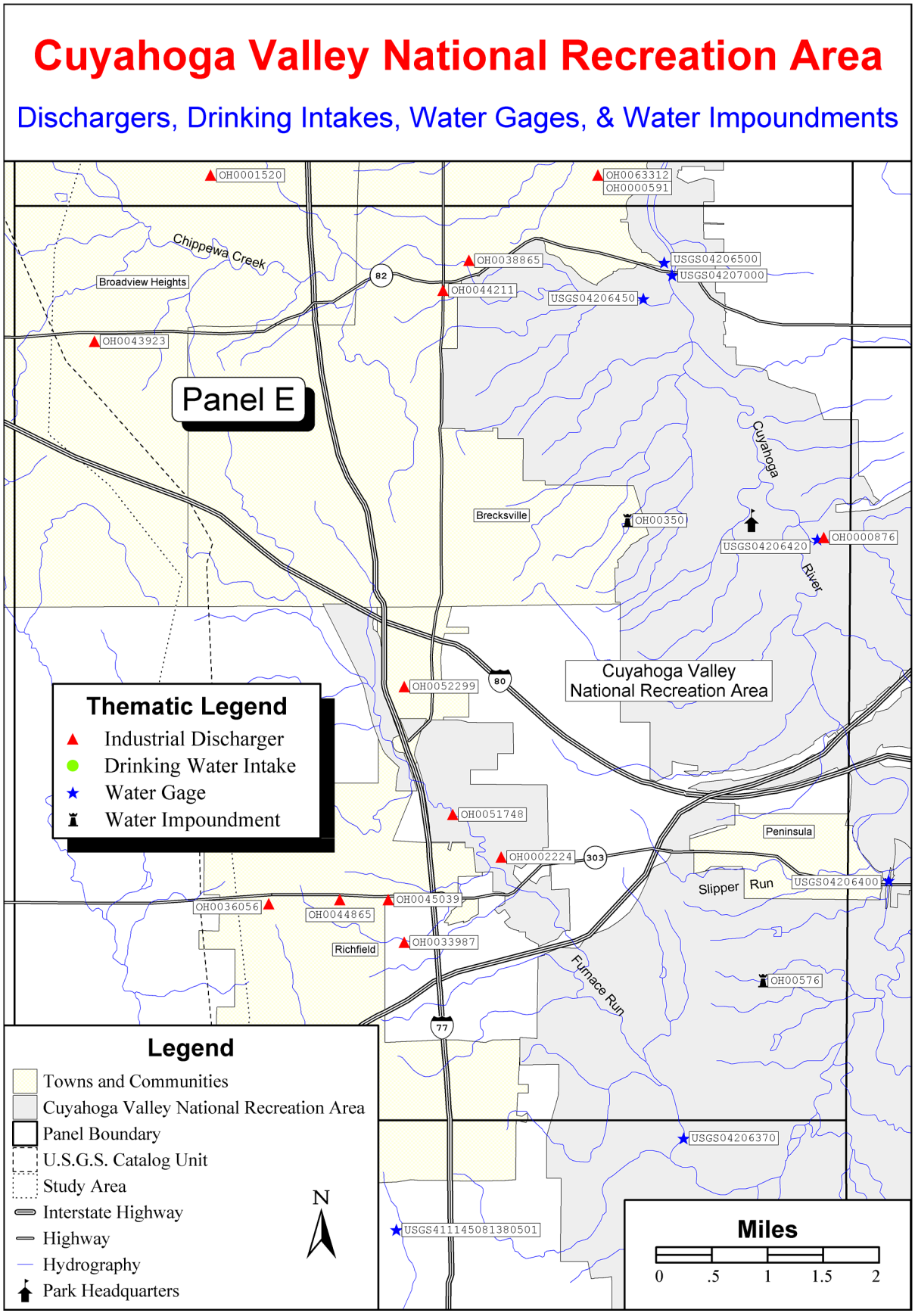



Cuyahoga Valley National Recreation Area
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments
Panel C
USGS411306081390503
USGS04206370
Furnace Run
USGS411145081380501
USGS411125081400602
USGS04206210
North Fork Yellow Creek
Cuyahoga Valley National Recreation Area
USGS04206250
OH00494
USGS04206211
OH0052043
Cuyahoga River
USGS04206215
USGS04206212
OH0044636
USGS410946081364906
USGS04206220
USGS04206200
USGS04206208
USGS410924081391904
OH0023833
Montrose-Ghent
OH0045705
OH00495
Yellow Creek
USGS410811081382608
OH0044202
Fairlawn
USGS03115971
77
Pigeon Creek
USGS410643081365307
Pigeon Creek
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Thematic Legend
Industrial Discharger
Drinking Water Intake
Water Gage
Water Impoundment
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Cuyahoga Valley National Recreation Area

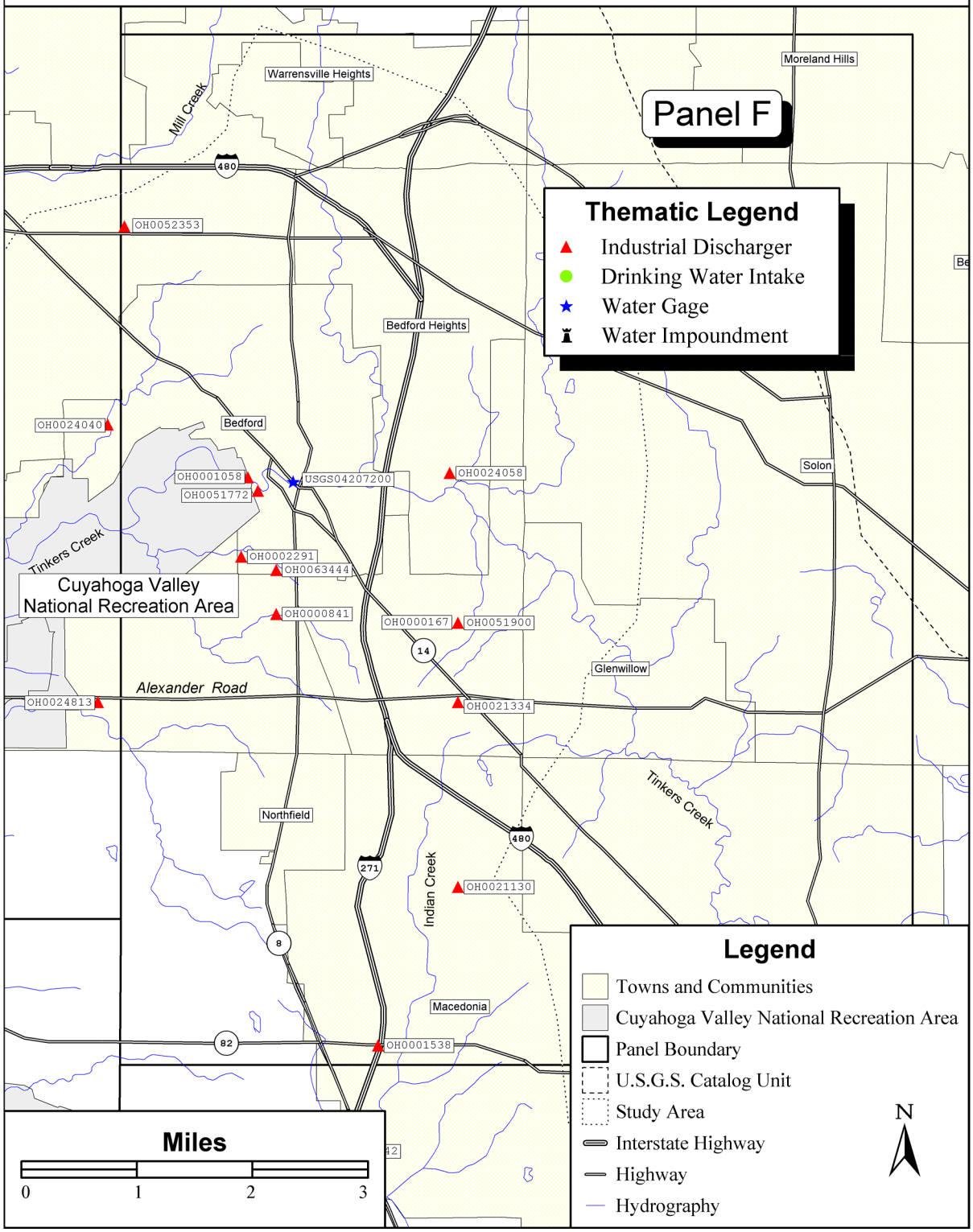
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments

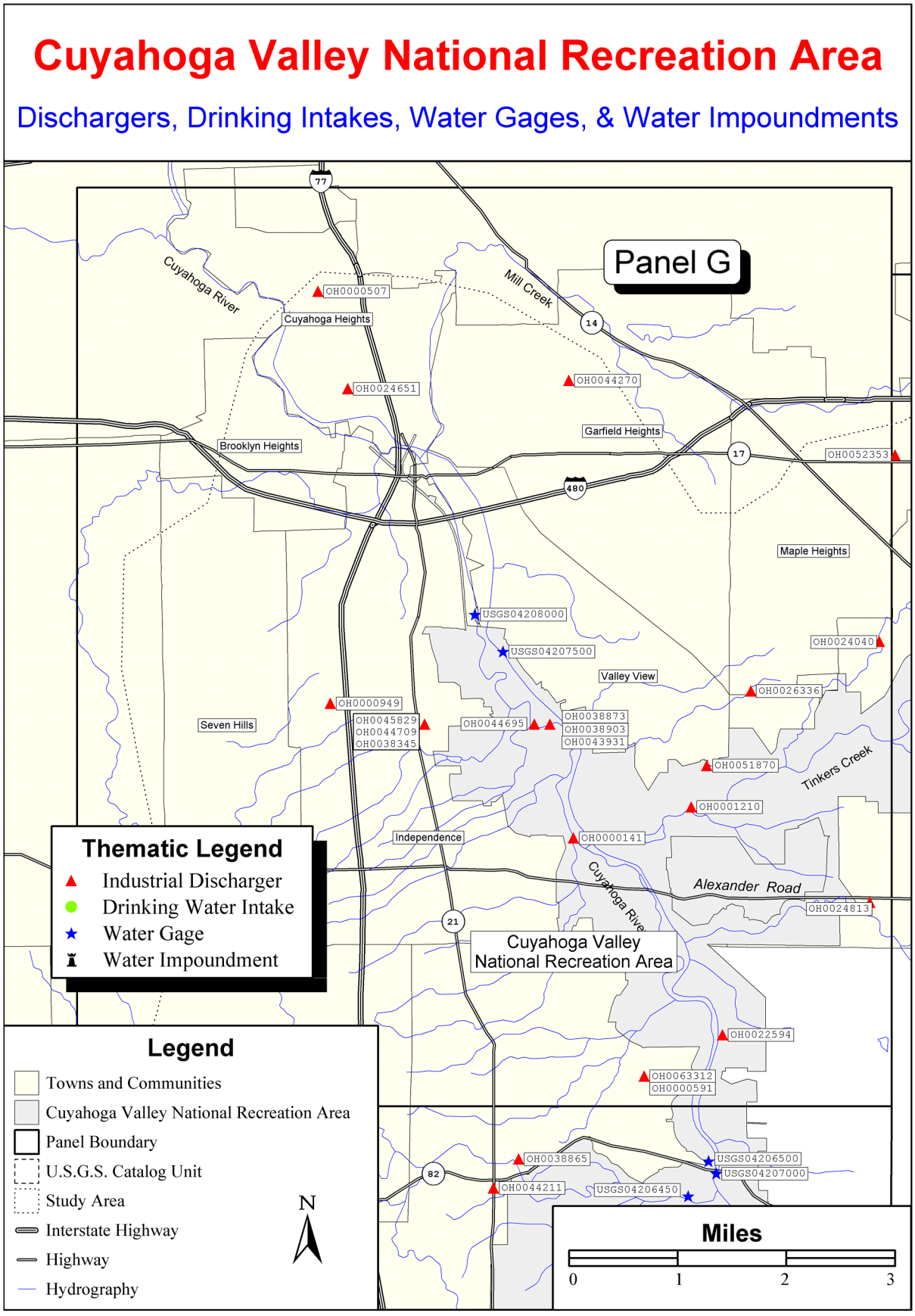



Cuyahoga Valley National Recreation Area
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments
Panel E
Chippewa Creek
Broadview Heights
Brecksville
Peninsula
Richfield
Cuyahoga River
Furnace Run
Slipper Run
Cuyahoga Valley National Recreation Area
OH0001520
OH0063312
OH0000591
OH0038865
OH0044211
OH0043923
USGS04206500
USGS04207000
USGS04206450
OH00350
OH0000876
USGS04206420
OH0052299
OH0051748
OH0002224
OH0045039
OH0036056
OH0044865
OH0033987
USGS04206400
OH00576
USGS04206370
USGS411145081380501
Thematic Legend
Industrial Discharger
Drinking Water Intake
Water Gage
Water Impoundment
Legend
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U.S.G.S. Catalog Unit
Study Area
Interstate Highway
Highway
Hydrography
Park Headquarters
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Miles
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Cuyahoga Valley National Recreation Area

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments




Cuyahoga Valley National Recreation Area
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments
Panel G
Cuyahoga River
Mill Creek
Cuyahoga Heights
Brooklyn Heights
Garfield Heights
Maple Heights
Valley View
Seven Hills
Independence
Tinkers Creek
Alexander Road
Cuyahoga Valley National Recreation Area
OH0000507
OH0024651
OH0044270
OH0052353
OH0024040
OH0026336
OH0000949
OH0045829
OH0044709
OH0038345
OH0044695
OH0038873
OH0038903
OH0043931
OH0051870
OH0001210
OH0000141
OH0024813
OH0022594
OH0063312
OH0000591
OH0038865
OH0044211
USGS04208000
USGS04207500
USGS04206500
USGS04207000
USGS04206450
Thematic Legend
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Highway
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0
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2
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Industrial Facility Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Within the CUVA Study Area

Industrial Facility Discharges

Site ID	Station/Facility Name	Address	City	Facility Receiving Water Name
OH0000141	GOODRICH BF & CO AMERIPOL	9101 E PLEASANT VALLEY RD	INDEPENDENCE	OLD CH OF CUYAHOGA R
OH0000167	LESTER INDUSTRIES INC	25661 CANNON RD	NEW BURLINGTON	D TO BEAR C
OH0000205	OHIO EDISON BEECH ST STM HEAT	.....	AKRON	OHIO CA
OH0000213	OHIO EDISON CO. GORGE	715 CUYAHOGA FALLS AVE	AKRON	CUYAHOGA RIVER
OH0000337	GOODYEAR TIRE & RUBBER CO	1144 E. MARKET STREET	AKRON	LITTLE CUYAHOGA
OH0000507	AIRCO WELDING PRODUCTS	.....	CLEVELAND	CUYAHOGA RIVER
OH0000591	ZIRCOA PRODUCTS	TECHNICAL PRODUCTS DIVISI	SOLON	TINKERS CREEK
OH0000841	PACIFIC COAST CO	.....	CUYAHOGA COUNTY	TINKERS CR.
OH0000876	TECUMSEH CORRUGATED BOX CO.	JAITE MILL DIVISION	BRECKSVILLE	BRANDYWINE CREEK
OH0000949	LTV STEEL COMPANY, INC.	.....	INDEPENDENCE	CUYAHOGA RIVER
OH0001058	PLANT TWO, INCORPORATED	.....	BEDFORD HEIGHTS	TINKERS CREEK
OH0001091	CITY OF CUYAHOGA FALLS	WATER UTILITIES DEPARTMEN	CUYAHOGA FALLS	CUYAHOGA RIVER
OH0001210	FORD MOTOR COMPANY	METAL STAMPING DIVISION	WALTON HILLS	TINKERS CREEK
OH0001228	FORD MOTOR COMPANY	ENGINE DIVISION	BROOKPARK	BIG CREEK
OH0001520	CUYAHOGA MOLDED PLASTICS		EUCLID	LAKE ERIE
OH0001538	EAST OHIO GAS CO TWINSBURG STA	.....	MACEDONIA	..
OH0001597	M&M SAND&GRAVEL&SUPPLY CO INC	.....	AKRON	..
OH0001678	SUN OIL CO. OF PENNSYLVANIA	SUNMARK INDUSTRIES	AKRON	LITTLE CUYAHOGA
OH0001767	NORTON COMPANY	CHEM PROCESS PRODS. DIV.	AKRON	LAKE ERIE
OH0001775	NORTON COMPANY	P AND S DIVISION	AKRON	LITTLE CUYAHOGA
OH0001783	NORTON COMPANY	CHEMICAL PROCESS PRODS. D	AKRON	LAKE ERIE
OH0001791	NORTON COMPANY	CHEMICAL PROCESS PRODS. D	AKRON	RAILROAD DITCH
OH0002003	R.C.A. RUBBER CO.	.....	AKRON	LITTLE CUYAHOGA
OH0002224	CONSOLIDATED FREIGHTWAYS	2615 BRECKSVILLE ROAD	RICHFIELD	FURNACE RUN
OH0002291	FERRO CORPORATION	FERRO CHEMICAL DIVISION	WALTON HILLS	TINKERS CREEK
OH0004774	B.F. GOODRICH COMPANY	B.F. GOODRICH CHEMICAL CO	AKRON	SWEITZER CREEK
OH0004812	DIAMOND CRYSTAL SALT CO	2065 MANCHESTER ROAD	AKRON	OHIO CANAL
OH0005126	GOODYEAR AEROSPACE CORP AKRON	.....	AKRON	NOMANE DITCH
OH0005509	COVINGTON CAPITAL CORP.	500 S MAIN ST	AKRON	OHIO CANAL
OH0007315	EATON CORP MOLDED PRODUCTS DIV	.....	AKRON	..
OH0007919	EAGLE PICHER INDUSTRIES INC	AKRON STANDARD	AKRON	LITTLE CUYAHOGA
OH0008265	FIRESTONE TIRE & RUBBER CO.	CORPORATE ENVIRONMENT ENG	AKRON	OHIO CANAL
OH0020818	HUDSON, VILLAGE OF	.....	HUDSON	BRANDYWINE CREEK
OH0021130	CUYAHOGA CO COMMISSIONERS	SANITARY ENGINEER	VALLEY VIEW	CHAGRIN RIVER
OH0021334	OAKWOOD, VILLAGE OF	.....	OAKWOOD	UNKNOWN
OH0022136	INCOM INTERNATIONAL	MORSE CONTROLS DIVISION	HUDSON	BRANDYWINE CREEK
OH0022594	NORTHFIELD, VILLAGE OF	BOARD OF PUBLIC AFFAIRS	NORTHFIELD	CUYAHOGA RIVER
OH0023833	AKRON, CITY OF	65 S HIGH ST	AKRON	CUYAHOGA RIVER
OH0024040	BEDFORD, CITY OF	DIVISION OF WASTEWATER	BEDFORD	WOOD CREEK
OH0024058	BEDFORD HEIGHTS, CITY OF	25301 SOLON RD	BEDFORD HEIGHTS	TINKERS CREEK
OH0024651	NEORSD SOUTHERLY	EPA OPNS REPORTS	CLEVELAND	CUYAHOGA RIVER
OH0024813	CUYAHOGA CO WALTON HILLS STP	SANITARY ENGINEER	VALLEY VIEW	CUYAHOGA RIVER
OH0026336	MAPLE HEIGHTS, CITY OF	SERVICE DEPT	MAPLE HEIGHTS	TINKERS CREEK
OH0027626	SUMMIT COUNTY COMMISSIONERS	SUMMIT CO SANITARY ENGINE	AKRON	TINKERS CREEK
OH0027634	SUMMIT COUNTY PLANT # 9	SUMMIT CO SANITARY ENGINE	AKRON	CUYAHOGA RIVER
OH0027642	SUMMIT COUNTY MACEDONIA (15)	SUMMIT CNTY SANITARY ENGR	AKRON	BRANDYWINE CREEK
OH0027651	SUMMIT COUNTY COMMISSIONERS	DEPT OF ENVIRO SERVICES	AKRON	MUD BROOK
OH0027677	SUMMIT CO. MELODY VILLAGE	SUMMIT CO SANITARY ENGINE	FRAKLIN TWP	PANCAKE CREEK
OH0031101	SUMMIT COUNTY COMMISSIONERS	SUMMIT CO SANITARY ENGINE	AKRON	CUYAHOGA RIVER

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

Industrial Facility Discharges

Site ID	Station/Facility Name	Address	City	Facility Receiving Water Name
OH0031801	HUDSON WTR TRMT PLT	.....	HUDSON	..
OH0033740	SUMMIT COUNTY PLANT # 5	SUMMIT CO SANITARY ENGINE	AKRON	TINKERS CREEK
OH0033758	SUMMIT CNTY SNTY PLT6 HUDSON G	.....	HUDSON	..
OH0033766	SUMMIT COUNTY COMMISSIONERS	SUMMIT CO SANITARY ENGINE	AKRON	CUYAHOGA RIVER
OH0033774	SUMMIT COUNTY PLANT # 14	SUMMIT CO SANITARY ENGINE	AKRON	FISH CREEK
OH0033791	SUMMIT COUNTY PLANT # 20	SUMMIT CO SANITARY ENGINE	AKRON	TUSCARAWAS RIVER
OH0033804	SUMMIT COUNTY PLANT # 21	SUMMIT CO SANITARY ENGINE	AKRON	FISH CREEK
OH0033812	SUMMIT COUNTY COMMISSIONERS	SUMMIT CO SANITARY ENGINE	AKRON	FISH CREEK
OH0033847	SUMMIT COUNTY COMMISSIONERS	SUMMIT CO SANITARY ENGINE	AKRON	CUYAHOGA RIVER
OH0033855	SUMMIT COUNTY PLANT # 27	SUMMIT CO SANITARY ENGINE	AKRON	CUYAHOGA RIVER
OH0033880	SUMMIT CO ENVIRON SERVICES	SUMMIT CO SANITARY ENGINE	GREEN TOWNSHIP	TUSCARAWAS RIVER
OH0033898	SUMMIT COUNTY PLANT # 31	SUMMIT CO SANITARY ENGINE	AKRON	WOLF CREEK
OH0033901	SUMMIT COUNTY PLANT # 32	SUMMIT CO SANITARY ENGINE	AKRON	PANCAKE CREEK
OH0033987	RIVERPLACE PROPERTIES, INC.	RICHFIELD HILLS DEVELOPME	RICHFIELD	FURNACE RUN
OH0036056	LAKE ERIE GIRL SCOUT COUNCIL	CAMPS HILAKA & CROWELL	RICHFIELD	EAST BRANCH ROCK
OH0038245	CLOVERLEAF HILLTOP INC BROWN D	.....	INDEPENDENCE	..
OH0038865	CUYAHOGA COUNTY COMM SOUTHERN	.....	BRECKSVILLE	TR TO CUYAHOGA R
OH0038873	CUYAHOGA CO SHAR BON STP	SANITARY ENGINEER	VALLEY VIEW	CUYAHOGA RIVER
OH0038903	CUYAHOGA CO HUB PARK STP	SANITARY ENGINEER	CLEVELAND	CUYAHOGA RIVER
OH0043397	SUMMIT COUNTY # 6	SUMMIT CNTY SANITARY ENGR	AKRON	POWERS BROOK
OH0043923	CUYAHOGA CO BRAMBLEWOOD STP	SANITARY ENGINEER	VALLEY VIEW	CUYAHOGA RIVER
OH0043931	CUYAHOGA CO VALLEY VIEW (VIP	SANITARY ENGINEER	VALLEY VIEW	CUYAHOGA RIVER
OH0044202	SUMMIT COUNTY COMMISSIONERS	SUMMIT CO SANITARY ENGINE	AKRON	YELLOW CREEK
OH0044211	CUYAHOGA CO COMMISSIONERS	SANITARY ENGINEER	VALLEY VIEW	CUYAHOGA RIVER
OH0044270	GARFIELD HEIGHTS, CITY OF	.....	GARFIELD HTS	CUYAHOGA RIVER
OH0044636	REVERE BOARD OF EDUCATION	REVERE,HILLCREST&EASTVW S	BATH	FURNACE RUN
OH0044695	INDEPENDENCE, CITY OF	.....	INDEPENDENCE	CUYAHOGA RIVER
OH0044709	INDEPENDENCE, CITY OF	.....	INDEPENDENCE	CUYAHOGA RIVER
OH0044865	FRASER MANAGEMENT CO	RICHFIELD HOLIDAY INN	RICHFIELD	FURNACE RUN
OH0045039	MT. AUGUSTINE NOVITATE	.....	RICHFIELD	EAST BRANCH ROCK
OH0045268	MERCURY REAL ESTATE CO.INC.	STOW KENT PLAZA	CUYAHOGA FALLS	FISH CREEK
OH0045705	SUMMIT COUNTY COMMISSIONERS	DEPT OF ENVIRO SERVICES	AKRON	YELLOW CREEK
OH0045829	SUMMIT CO	DEPT OF ENVIRO SERVICES	NORTON	UNKNOWN
OH0051225	CSX TRANSPORTATION INC.	C/O RAIL TRANSPORT GROUP	HUNTINGTON	LITTLE CUYAHOGA
OH0051233	GENERAL TIRE AND RUBBER CO	TIRE DIVISION	AKRON	LITTLE CUYAHOGA
OH0051411	GENCORP, INCORPORATED	GENCORP POLYMER PRODUCTS	MOGADORE	WINGFOOT LAKE OU
OH0051535	BP OIL COMPANY PIPE LINE	MOGADORE TERMINAL	CLEVELAND	LITTLE CUYAHOGA
OH0051683	BEMIS COMPANY INC.	MORGAN ADHESIVES COMPANY	STOW	POWERS BROOK
OH0051730	ASSOCIATED MATERIALS INC	ALSIDE DIVISION	AKRON	MUD BROOK
OH0051748	AKRON PACKING COMPANY	.....	WEST RICHFIELD	FURNACE RUN
OH0051772	BEDFORD ANODIZING COMPANY	FINISHING COMPANY	BEDFORD	TINKERS CREEK
OH0051870	NORANDA MINES	NORANDEX INC.	CLEVELAND	TINKERS CREEK
OH0051900	BLASIVS INDUSTRIES	.....	BEDFORD	TINKERS CREEK
OH0052043	SHERMAN PROVISION	.....	NORTON	PANCAKE CREEK
OH0052299	ADAM BROWN	4795 CLEVELAND MASSILLION	RICHFIELD	FURNACE RUN TO C
OH0052353	ALUMINUM SMELT.& REFIN. CO.	5463 DUNHAM ROAD	MAPLE HEIGHTS	MILL CREEK
OH0063312	S P MANUFACTURING CORP.	.....	SOLON	TINKERS CREEK
OH0063401	REPUBLIC CHEMICAL CORP.	60 SOUTH SEIBERLING ST	AKRON	LITTLE CUYAHOGA
OH0063428	GENERAL METALS POWDER CO	130 ELINOR AVE	AKRON	BLUE P

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

Industrial Facility Discharges

Site ID	Station/Facility Name	Address	City	Facility Receiving Water Name
OH0063444	HUKILL CHEMICAL CORPORATION	.....	BEDFORD	TINKERS CREEK
OH0064149	DIVERSITECH GENERAL INC	POLYMERS DIVISION	AKRON	LITTLE CUYAHOGA

Drinking Water Intakes

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

No drinking water intakes available for this study area.

Water Gages

Site ID	Station Name	Site Type	Drainage Area (Square Miles)	Begin Year	End Year
USGS04206000	CUYAHOGA R AT OLD PORTAGE OH	Stream	404.00	1922	1995
USGS04206050	MUD BK AT AKRON-PENI	Stream	29.30		
USGS04206220	YELLOW CREEK AT BOTZUM OH	Stream	30.70	1991	1995
USGS04206250	CUYAHOGA R AT IRA OH	Stream	478.00	1973	1980
USGS04206370	FURNACE RN AT WHEATL	Stream	17.70		
USGS04206400	CUYAHOGA R AT PENINS	Stream	494.00		
USGS04206420	BRANDYWINE C NR JAIT	Stream	27.20		
USGS04206450	CHIPPEWA C AT RIVERV	Stream	17.70		
USGS04207000	OHIO CANAL FEEDER AT BRECKSVILLE OH			1923	1924
USGS04207200	TINKERS C AT BEDFORD OH	Stream	83.90	1963	1995
USGS04207500	OHIO CA AT INDEPENDENCE OH	Stream		1922	1981
USGS04208000	CUYAHOGA R AT INDEPENDENCE OH	Stream	707.00	1922	1995
USNWS410808081325001	CUYAHOGA R AT OLD PO	Stream	404.00		
USGS03115971	SCHOCALOG RN AT FAIRLAWN OH	Stream	2.25	1991	1995
USGS04204000	L CUYAHOGA R AT MOGADORE OH	Stream	17.30	1946	1979
USGS04204500	L CUYAHOGA R AT MASSILLON RD AKRON OH	Stream	31.60	1946	1974
USGS04205000	SPRINGFIELD LAKE OUTLET AT AKRON OH	Stream	9.72	1946	1974
USGS04205500	L CUYAHOGA R AT AKRON OH	Stream	44.40	1920	1934
USGS04205700	L CUYAHOGA R BL OHIO CA AT AKRON OH	Stream	59.20	1974	1980
USGS04206200	CUYAHOGA R AT BOTZUM OH	Stream	443.00		
USGS04206208	YELLOW C AT GHENT OH	Stream	12.70	1991	1995
USGS04206210	NORTH FORK AT BATH OH	Stream	2.81	1991	1995
USGS04206211	PARK C AT BATH CENTER OH	Stream	0.82	1991	1995
USGS04206212	NORTH FORK AT BATH CENTER OH	Stream	5.58	1991	1995
USGS04206215	BATH C AT BATH CENTER OH	Stream	3.52	1991	1995
USGS04206500	CUYAHOGA R AT BRECKSVILLE OH	Stream	583.00	1923	1924
USGS410330081282000	SU-6 GOODYR TIRE AND RBR CO SEIBRLNG ST AKRON OH	Well			
USGS410643081365307	RAIN GAGE AT RIDGWOOD RD AT FAIRLAWN OH	Climate			
USGS410811081382608	RAIN GAGE AT FRIENDLYS ON RT 18 AT MONTROSE OH	Climate			
USGS410924081391904	RAIN GAGE AT 4100 GRANGER RD AT GHENT OH	Climate			
USGS410946081364906	RAIN GAGE AT 2838 WALNUT RIDGE RD NR BOTZUM OH	Climate			
USGS411125081400602	RAIN GAGE CAMP CHRISTOPHER NR HOMETOWN & IRA OH	Climate			
USGS411145081380501	RAIN GAGE AT 2225 CLEVE MASS RD AT BATH OH	Climate			
USGS411306081390503	RAIN GAGE AT 3033 ROBERTS RD AT BROADVIEW OH	Climate			

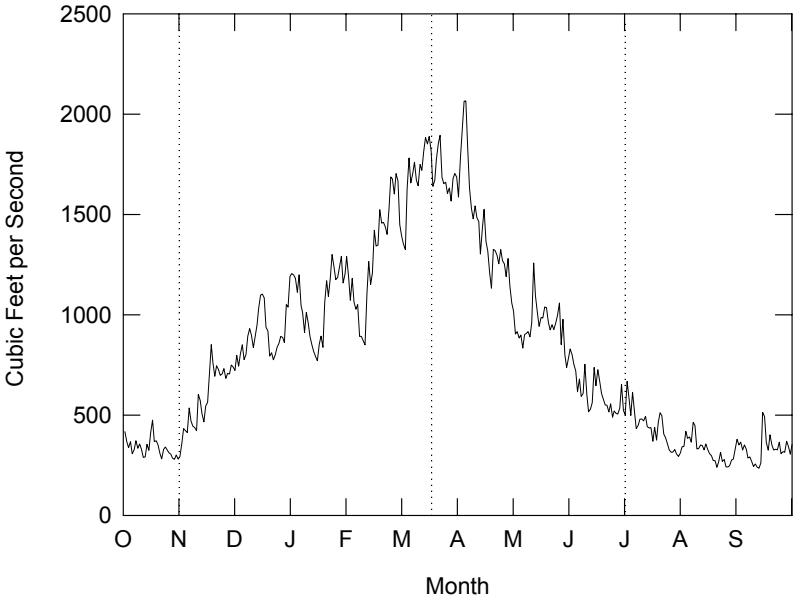
Industrial Facility Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Within the CUVA Study Area

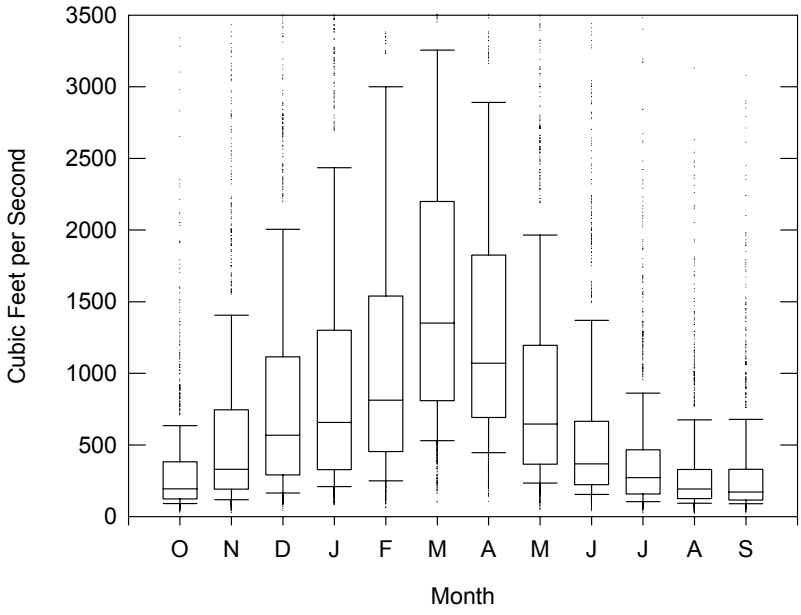
Water Impoundments

Site ID	Impoundment Name	Owner	Primary Purpose	Type of Dam	Downstream Hazard	Year Completed
OH00350	ECHO HILLS LAKE NO.1 DAM	ECHO HILLS CLUB INC.	Rec.	Earth	Significant	1960
OH00480	HILLS POND DAM	JOHN RADDISH	Rec.	Earth	Significant	1938
OH00481	GORGE METROPOLITAN PARK DAM	OHIO EDISON	Rec.	Gravity	Significant	1957
OH00488	MEADOWBROOK LAKE DAM	CITY OF STOW	Rec.	Earth	Significant	1920
OH00489	CAMP BUTLER LAKE DAM	CAMP BUTLER	Rec.	Earth	High	1961
OH00490	VIRGINIA KENDALL PARK LAKE DAM	NATIONAL PARK SERVICE	Rec.	Earth	Low	1948
OH00491	BELL LAKE DAM	JAMES BELL	Rec.	Earth	Low	1965
OH00494	VON GUNTEN DAM	CARL VON GUNTEN	Rec.	Earth	Low	1965
OH00495	CRYSTAL LAKE DAM	GENERAL TIRE AND RUBBER	Rec.	Earth	Significant	1936
OH00496	LAKE FOREST DAM	LAKE FOREST COUNTRY CLUB	Rec.	Earth	Significant	1952
OH00576	SAALFIELD POND DAM NO.1	ALBRECHT SAALFIELD	Rec.	Earth	Low	1970
OH00665	MOGADORE DAM	CITY OF AKRON OHIO	Rec.	Earth	High	1938
OH00933	LAKE LITCHFIELD DAM	GREAT TRAIL COUNCIL BSA	Rec.	Earth	High	1975
OH00935	THE MEADOWS RETENTION DAM	C.WILMOTH DEVELOPERS;INC	Flood	Earth	Significant	1975
OH01108	CUYAHOGA FALLS LOW HEAD DAM	CITY OF CUYAHOGA FALLS	Other	Other	Low	1912
OH01114	PINE LAKE DAM	DR. RONALD FRESHLEY AND	Rec.	Earth	High	1927

REPRESENTATIVE MEAN ANNUAL HYDROGRAPH FOR SEASONAL ANALYSIS

CUYAHOGA VALLEY NATIONAL RECREATION AREA
Cuyahoga River at Independence,OH; 04208000
61 year record





Representative mean annual hydrograph (top) and distribution of daily flows by month (bottom) for hydrologic season determination. Box and whiskers represent a five number summary; bottom whisker cap is 10th percentile, bottom of box is 25th percentile, internal line is median, top of box is 75th percentile, and top whisker is 90th percentile. Hydrologic seasons for Cuyahoga Valley National Recreation Area are: Jul. 1 to Oct. 31, Nov. 1 to Mar. 14, and Mar. 15 to Jun. 30.

CONTACTS FOR AGENCY CODES RETRIEVED FOR CUVA

AGENCY	PRIMARY CONTACT NAME	ORGANIZATION	PHONE NUMBER(S)	
21OHIO	MISHNE, DENNIS	OHIO EPA	(614)777-6264	
112WRD	YORKE, TOM	US GEOLOGICAL SURVEY	(703)648-5687	
12OHDO	ROSS, STU	USEPA REGION 5	(312)353-0299	
1115E050	JUTIS, BILL	USEPA REGION 2	(212)264-4753	
11NPSWRD	TUCKER, DEAN	NATIONAL PARK SERVICE	(970)225-3516	(970)225-3518
11COEBUF	ADAMS, JOHN	CORPS OF ENGINEERS	(716)874-5454	
111WS	HOELMAN, LOUIS	USEPA HQ	(202)260-7050	
21OHCLEV	ROSS, STU	USEPA REGION 5	(312)353-0299	
31HEIDRV	RICHARDS, PETER	HEIDELBERG COLLEGE (OHIO)	(419)448-2201	(419)448-2226
1115R060	STORET USER ASSISTANCE	USEPA HQ	(202)260-7050	(800)424-9067

* DATA FOR 1115R060 HAS BEEN 'RETIRED' AT THE REQUEST OF STORET USER ASSISTANCE (703)883-8861 ON 03/14/86.

QUANTITY OF DATA RETRIEVED FOR CUVA BY AGENCY CODE

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

Agency	Organization	Period of Record		Water Quality Stations		Longer Term[1] Stations		No Data Stations		Water Quality Observations		Water Quality Parameters	
		Study Area	Park Only	S.A.	Park	S.A.	Park	S.A.	Park	S.A.	Park	S.A.	Park
21OHIO	OHIO EPA	05/01/67-12/07/93	07/13/73-10/09/91	126	22	26	8	1	0	36500	4932	230	80
112WRD	US GEOLOGICAL SURVEY	01/22/57-12/15/94	09/07/65-06/29/94	46	23	10	3	0	0	44528	7146	282	114
12OHDO	USEPA REGION 5	04/12/72-01/15/75	11/07/72-11/07/72	22	2	0	0	0	0	427	27	43	14
1115E050	USEPA REGION 2	09/24/64-03/02/72	No Data in Park	2	0	0	0	0	0	101	0	21	0
11NPSWRD	NATIONAL PARK SERVICE	11/01/84-10/03/94	11/01/84-10/03/94	26	24	21	20	0	0	14796	14159	22	22
11COEBUF	CORPS OF ENGINEERS	No Data in S.A.	No Data in Park	1	0	0	0	1	0	0	0	0	0
111WS	USEPA HQ	03/04/75-03/05/75	No Data in Park	1	0	0	0	0	0	7	0	7	0
21OHCLEV	USEPA REGION 5	08/11/71-09/14/72	08/11/71-09/14/72	1	1	0	0	0	0	70	70	5	5
31HEIDRV	HEIDELBERG COLLEGE (OHIO)	11/04/81-09/30/87	No Data in Park	1	0	1	0	0	0	28674	0	31	0
1115R060	USEPA HQ	09/16/69-09/29/70	No Data in Park	2	0	0	0	0	0	232	0	19	0
Totals		01/22/57-12/15/94	09/07/65-10/03/94	228	72	58	31	2	0	125335	26334	460	146

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

Station Period of Record Tabulation
From 01/22/57 To 12/15/94

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75
CUVA0001	SUMMIT LAKE IN AKRON - KENMORE RD.	No	25	0	25	0
CUVA0002	OHIO CANAL AT AKRON - KENMORE BLVD. (RM 3.60)	No	136	136	0	0
CUVA0003	WINGFOOT LAKE OUTLET AT MOGADORE RD. (RM 0.53)	No	110	110	0	0
CUVA0004	SUMMIT LAKE AT AKRON - MIDDLE OF SOUTH BASIN	No	217	217	0	0
CUVA0005	SPRINGFIELD LAKE OUTLET AT MASSILLON RD (RM 0.5)	No	116	116	0	0
CUVA0006	WINGFOOT LAKE OUTLET AT MOUTH - UNNAMED RD.	No	119	119	0	0
CUVA0007[1]	L. CUYAHOGA R. NR MOGADORE - GILCHRIST RD.	No	271	271	0	0
CUVA0008	SUMMIT LAKE AT AKRON - MIDDLE OF CENTRAL BASIN	No	208	208	0	0
CUVA0009	L. CUYAHOGA R. AT AKRON - UPST NORTON CO.	No	118	118	0	0
CUVA0010[1]	SPRINGFIELD LAKE OUTLET AT AKRON OH	No	293	0	0	293
CUVA0011	SUMMIT LK NR MIDPOINT AT AKRON OH	No	217	0	217	0
CUVA0012	SUMMIT LAKE AT AKRON - MIDDLE OF NORTH BASIN	No	219	219	0	0
CUVA0013	L. CUYAHOGA R. NR MOGADORE - DST UNIV. MATERIALS	No	115	115	0	0
CUVA0014	MOGADORE RE AB DAM NR MOGADORE OH	No	216	0	216	0
CUVA0015	L. CUYAHOGA R. AT AKRON- SEIBERLING ST (RM 6.67)	No	120	120	0	0
CUVA0016	SPRINGFIELD LAKE OUTLET AT AKRON - AT MOUTH	No	119	119	0	0
CUVA0017	L. CUYAHOGA R. AT AKRON - MASSILLON RD (RM 7.15)	No	117	117	0	0
CUVA0018[1]	L CUYAHOGA R AT MASSILLON RD AKRON OH	No	292	0	0	292
CUVA0019	L. CUYAHOGA R. AT AKRON - CHENEY RD. (RM 8.7)	No	117	117	0	0
CUVA0020[1]	L CUYAHOGA R AT MOGADORE OH	No	552	0	237	315
CUVA0021	L. CUYAHOGA R. NR MOGADORE - S.R. 532 (RM 11.75)	No	117	117	0	0
CUVA0022	OHIO CANAL AT AKRON - THORNTON ST. (RM 2.22)	No	117	117	0	0
CUVA0023	TRIB TO L CUYAHOGA R DST UNION OIL- SOUTHEAST AV	No	110	110	0	0
CUVA0024	B. F. GOODRICH - EFFL. COE002	No	19	0	0	19
CUVA0025	B. F. GOODRICH - EFFL. COE001	No	18	0	0	18
CUVA0026	B. F. GOODRICH - EFFL. COE005	No	19	0	0	19
CUVA0027	B. F. GOODRICH - EFFL. COE004	No	19	0	0	19
CUVA0028	B. F. GOODRICH - EFFL. COE003	No	19	0	0	19
CUVA0029	B. F. GOODRICH - EFFL. COE006	No	19	0	0	19
CUVA0030	B.F.GOODRICH-STORM EFFL. NR 010	No	16	0	0	16
CUVA0031	B. F. GOODRICH - EFFL. COE007	No	18	0	0	18
CUVA0032	B. F. GOODRICH - EFFL. COE008	No	19	0	0	19
CUVA0033	B. F. GOODRICH - INTAKE 010	No	18	0	0	18
CUVA0034	041 L CUYAHOGA R AT AKRON OH	No	63	0	63	0
CUVA0035	L. CUYAHOGA R. AT AKRON - BANK ST. (RM 5.11)	No	117	117	0	0
CUVA0036	B. F. GOODRICH - EFFL. COE009	No	19	0	0	19
CUVA0037	OHIO CANAL AT AKRON - CEDAR ST. (RM 1.30)	No	119	119	0	0
CUVA0038	OHIO CANAL DST STATE ST. IN AKRON (RM=1.05)	No	30	30	0	0
CUVA0039	CHESSIE TRIB AT AKRON - EASTWOOD AVE. (RM 0.05)	No	117	117	0	0
CUVA0040[1]	L. CUYAHOGA R. AT AKRON - NORTH ST. (EAST)	No	273	273	0	0
CUVA0041	L. CUYAHOGA R. AT AKRON - ELIZABETH PARK	No	81	81	0	0
CUVA0042	OHIO CANAL AT AKRON - NORTH ST. (RM 0.18)	No	121	121	0	0
CUVA0043	L. CUYAHOGA R. AT AKRON - CUYAHOGA ST. (RM 2.14)	No	118	118	0	0
CUVA0044[1]	L. CUYAHOGA R. AT AKRON - OTTO ST GAGE (RM 1.85)	No	1545	118	1146	281
CUVA0045[1]	L CUYAHOGA R BL OHIO CA AT AKRON OH	No	309	0	235	74
CUVA0046	CHESSIE TRIB AT AKRON - BRITTAIN RD. (RM 1.61)	No	115	115	0	0
CUVA0047	L CUYAHOGA R AT MEMORIAL PKWY NR AKRON OH	No	21	21	0	0
CUVA0048	L. CUYAHOGA R. AT AKRON - MEMORIAL PARKWAY	No	20	20	0	0
CUVA0049	041 SCHOCALOG RN NR FAIRLAWN OH	No	62	0	62	0
CUVA0050	LITTLE CUYAHOGA RIVER	No	97	0	0	97
CUVA0051[1]	L. CUYAHOGA R. AT AKRON - NEAR MOUTH	No	2273	282	72	1919
CUVA0052[1]	CUYAHOGA R. AT AKRON - CUYAHOGA ST.	No	2702	369	209	2124
CUVA0053[1]	CUYAHOGA R. AT STATION RD.	No	1060	368	156	536
CUVA0054	CUYAHOGA R AT CUYAHOGA ST NR AKRON OH	No	42	42	0	0
CUVA0055	CUYAHOGA R. AT AKRON- OHIO ED. DAM POOL RM=45.1	No	17	17	0	0
CUVA0056	LITTLE CUYAHOGA R. AT AKRON - AT MOUTH	No	16	16	0	0
CUVA0057	CUYAHOGA R. AT AKRON - DST GORGE DAM	No	157	157	0	0
CUVA0058	CUYAHOGA R AB OLD PORTAGE OH	No	20	20	0	0
CUVA0059	CUYAHOGA R. UPST OLD PORTAGE TRAIL (RM 40.4)	No	17	17	0	0
CUVA0060	CUYAHOGA RIVER AT BROAD BLVD.	No	14	0	0	14
CUVA0061	CUYAHOGA R AT CUYAHOGA FALLS- BROAD BLVD RM=46.2	No	94	0	94	0
CUVA0062[1]	CUYAHOGA R. UPST AKRON WWTP - OLD PORTAGE TRAIL	No	1862	227	319	1316
CUVA0063[1]	CUYAHOGA R AT OLD PORTAGE OH	No	2335	178	350	1807
CUVA0064	YELLOW CREEK NR STONEY HILL - S.R. 18	No	17	0	17	0
CUVA0065	SAND RN AT OLD PORTAGE OH	Yes	69	69	0	0
CUVA0066	MUD BROOK N OF AKRON - AKRON-PENINSULA RD.	No	43	0	26	17
CUVA0067	MUD BK AT AKRON-PENINSULA ROAD NR AKRON OH	No	90	90	0	0
CUVA0068	MUD BROOK NR CUYAHOGA FALLS - S.R. 8	No	0	0	0	0
CUVA0069[1]	CUYAHOGA R. UPST AKRON WWTP - AT TRUNKLINE	No	885	156	202	527
CUVA0070	CUYAHOGA RIVER ABOVE AKRON STP	No	13	0	0	13
CUVA0071	CUYAHOGA R NR BOTZUM OH	No	58	0	58	0

Station Period of Record Tabulation
From 01/22/57 To 12/15/94

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75
CUVA0072	YELLOW CRK AT PRIVATE DRIVE, 2.84 MI UPST MOUTH	No	17	17	0	0
CUVA0073	YELLOW CRK AT PRIVATE DRIVE, 3.31 MI UPST MOUTH	No	22	22	0	0
CUVA0074	YELLOW CREEK DST GHENT - YELLOW CREEK RD.	No	85	68	17	0
CUVA0075	YELLOW CREEK AT GHENT - 0.1 MI UPST WYE RD.	No	41	39	2	0
CUVA0076	CUYAHOGA RIVER AT AKRON STP	Yes	14	0	0	14
CUVA0077	N. FK. YELLOW CRK AT GHENT - UPST YELLOW CRK RD.	No	62	45	17	0
CUVA0078	AKRON STP INFLUENT	No	8	0	0	8
CUVA0079	AKRON STP EFFLUENT	No	8	0	0	8
CUVA0080	YELLOW CREEK W OF BOTZUM - YELLOW CREEK RD.	No	50	50	0	0
CUVA0081	N. FK. YELLOW CREEK NR GHENT - DST UNNAMED TRIB	No	62	45	17	0
CUVA0082	CUYAHOGA RIVER AT BATH RD. AKRON	No	13	0	0	13
CUVA0083[1]	CUYAHOGA R. AT BOTZUM - BATH RD.	No	387	186	201	0
CUVA0084	YELLOW CREEK NR BOTZUM - RIVERVIEW RD.	Yes	16	0	0	16
CUVA0085[1]	YELLOW CREEK	Yes	516	516	0	0
CUVA0086	CUYAHOGA R AT BOTZUM OH	Yes	286	238	48	0
CUVA0087[1]	IRA CREEK	Yes	447	447	0	0
CUVA0088[1]	CUYAHOGA R AT IRA OH	Yes	403	0	313	90
CUVA0089[1]	CUYAHOGA R. DST AKRON WWTP - IRA RD.	Yes	2092	278	311	1503
CUVA0090	IRA ROAD BRIDGE	Yes	1496	1496	0	0
CUVA0091	MUD BROOK JUST UPSTREAM OF WYOGA LAKE	No	26	0	26	0
CUVA0092	TRIB TO POWERS BROOK DST MORGAN ADHESIVES CO.	No	1	0	1	0
CUVA0093	POWERS BK AB MEADOWBROOK LK (I-1) NR STOW OH	No	30	0	30	0
CUVA0094	CUYAHOGA R BL AKRON OH	Yes	10	0	0	10
CUVA0095[1]	FURNACE RUN	Yes	514	514	0	0
CUVA0096	MEADOWBROOK LK AB DAM (L-1) NR STOW OH	No	200	0	200	0
CUVA0097	FURNACE RN AT EVERETT OH	Yes	64	0	64	0
CUVA0098	FURNACE RUN NR EVERETT - RIVERVIEW RD.	Yes	74	18	41	15
CUVA0099[1]	CUYAHOGA R. DST AKRON WWTP - BOLANZ RD (RM 33.2)	Yes	258	139	119	0
CUVA0100	POWERS BROOK AT HUDSON DR. (RM 1.37)	No	142	16	126	0
CUVA0101	MUD BROOK AT STOW - SEASONS RD.	No	113	16	97	0
CUVA0102	ROBINSON RN AT EVERETT OH	Yes	65	0	65	0
CUVA0103[1]	ROBINSON RUN	Yes	537	514	23	0
CUVA0104	LANGES RN AT EVERETT OH	Yes	65	0	65	0
CUVA0105[1]	LANGES RUN	Yes	536	513	23	0
CUVA0106	POWERS BR DST HUDSON #6 WWTP- SOD FARM RD RM=0.3	No	104	0	104	0
CUVA0107[1]	RAILROAD CREEK	Yes	394	394	0	0
CUVA0108	MUD BROOK UPST POWERS BROOK - BARLOW RD RM=9.44	No	112	0	112	0
CUVA0109[1]	DICKERSON RUN	Yes	540	517	23	0
CUVA0110	DICKERSON RN AT PENINSULA OH	Yes	65	0	65	0
CUVA0111	SALT RN AT PENINSULA OH	Yes	65	0	65	0
CUVA0112[1]	SALT RUN	Yes	528	504	24	0
CUVA0113[1]	OAK HILL	Yes	513	489	24	0
CUVA0114[1]	HASKELL RUN	Yes	484	460	24	0
CUVA0115	CUYAHOGA R NR PENINSULA OH	Yes	50	50	0	0
CUVA0116	RITCHIE RUN	Yes	31	31	0	0
CUVA0117	HASKELL RN AT PENINSULA OH	Yes	48	0	48	0
CUVA0118[1]	PENINSULA CREEK	No	403	403	0	0
CUVA0119	FURNACE RN AT RICHFIELD OH	Yes	64	0	64	0
CUVA0120	STATE ROUTE 303 BRIDGE	No	234	234	0	0
CUVA0121	CUYAHOGA R AT PENINSULA OH	No	185	128	57	0
CUVA0122[1]	CUYAHOGA R. AT PENINSULA - S.R. 303 (RM 29.08)	No	146	94	52	0
CUVA0123	SLIPPER RN AT PENINSULA OH	No	64	0	64	0
CUVA0124	BOSTON RN AT PENINSULA OH	No	64	0	64	0
CUVA0125[1]	BOSTON RUN	Yes	535	511	24	0
CUVA0126	BRANDYWINE CR 0.05 MI UPSTREAM OF HUDSON WWTP	No	157	35	122	0
CUVA0127	BRANDYWINE CRK NR HUDSON - HINES HILL RD RM=7.02	No	144	46	98	0
CUVA0128	CUYAHOGA R. AT BOSTON MILLS RD.	Yes	156	156	0	0
CUVA0129	BOSTON MILLS ROAD BRIDGE	Yes	1041	1041	0	0
CUVA0130[1]	SPRING	Yes	519	519	0	0
CUVA0131	SPRING RN NR PENINSULA OH	Yes	63	0	63	0
CUVA0132[1]	COLUMBIA RUN	Yes	502	502	0	0
CUVA0133	BRANDYWINE CREEK AT BRANDYWINE RD. (RM 1.95)	Yes	85	0	85	0
CUVA0134	BRANDYWINE C AT BOSTON HEIGHTS OH	Yes	63	0	63	0
CUVA0135[1]	TINKERS CREEK AT SOLON - PETTIBONE RD.	No	328	164	158	6
CUVA0136	BRANDYWINE CREEK AT TWINSBURG RD S OF MACEDONIA	No	41	27	14	0
CUVA0137[1]	BRANDYWINE CREEK NR MOUTH - TECUMSEH DR.	Yes	409	19	190	200
CUVA0138[1]	BRANDYWINE CREEK	Yes	547	547	0	0
CUVA0139	BRANDYWINE CREEK UPST TECUMSEH DR. (RM 0.26)	Yes	51	0	51	0
CUVA0140	BRANDYWINE C NR JAITE OH	Yes	110	97	13	0
CUVA0141[1]	CUYAHOGA R. AT JAITE - VAUGHN RD. (RM 24.10)	Yes	144	79	65	0
CUVA0142	INDIAN CREEK AT MOUTH - MACEDONIA	No	29	21	8	0

Station Period of Record Tabulation
From 01/22/57 To 12/15/94

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75
CUVA0143	BRANDYWINE CREEK NR NORTHFIELD CENTER - S.R. 8	No	14	0	14	0
CUVA0144	BRANDYWINE CREEK AT AKRON-CLEVELAND RD. (RM 3.7)	No	106	0	106	0
CUVA0145	BRANDYWINE CR JUST UPSTREAM OF MACEDONIA WWTP	No	126	0	126	0
CUVA0146	CUYAHOGA R AT JAITE OH	Yes	271	224	47	0
CUVA0147[1]	CENTRAL MAINTENANCE AREA CREEK	Yes	482	482	0	0
CUVA0148	TRIB TO CUYAHOGA R AT SAGAMORE HILLS - CRAN. TR.	No	13	13	0	0
CUVA0149	CUYAHOGA R NR BRECKSVILLE OH	Yes	81	6	75	0
CUVA0150	CHIPPEWA CREEK AT BRECKSVILLE - RIVERVIEW RD.	Yes	15	0	0	15
CUVA0151[1]	CHIPPEWA CREEK	Yes	512	512	0	0
CUVA0152	CHIPPEWA C AT RIVERVIEW ROAD NR BRECKSVILLE OH	Yes	63	0	63	0
CUVA0153[1]	STONE ROAD	Yes	846	846	0	0
CUVA0154	CHIPPEWA C AT BRECKSVILLE OH	No	46	0	46	0
CUVA0155	CHIPPEWA CREEK DST BROADVIEW HEIGHTS LANDFILL	No	41	24	17	0
CUVA0156	CHIPPEWA CREEK UPST BROADVIEW HEIGHTS LANDFILL	No	41	24	17	0
CUVA0157	CLEVELAND DIV OF WATER	No	7	0	7	0
CUVA0158	UNAMED TR TO CUYAHOGA R AT INDEPENDENCE OH	Yes	65	0	65	0
CUVA0159[1]	SAGAMORE CREEK	Yes	551	551	0	0
CUVA0160	UNAMED TR TO CUYAHOGA R NR NORTHFIELD OH	No	63	0	63	0
CUVA0161	CUYAHOGA R NR INDEPENDENCE OH	Yes	58	0	58	0
CUVA0162[1]	CUYAHOGA R. AT FITZWATER RD. (RM 17.30)	Yes	229	78	151	0
CUVA0163[1]	BROOKSIDE ROAD	Yes	480	480	0	0
CUVA0164[1]	TINKERS CREEK	Yes	552	552	0	0
CUVA0165	TINKERS CREEK 0.4 MI. DST OF IOOF CAMP BRIDGE	No	48	48	0	0
CUVA0166[1]	TINKERS CREEK AT MOUTH - CANAL RD.	Yes	243	116	127	0
CUVA0167[1]	TINKERS C NR INDEPENDENCE OH	Yes	4400	0	4400	0
CUVA0168	SE BR. DEER LICK RUN JUST UPST BEDFORD ANODIZING	No	16	0	16	0
CUVA0169	SE BR. DEER LICK RUN JUST DST BEDFORD ANODIZING	No	16	0	16	0
CUVA0170	S. BR. DEER LICK RUN NR WALTON HILLS - PARK DR.	Yes	31	27	4	0
CUVA0171	E BR DEERLICK CREEK UPST HUKILL CO. OUTFALL	No	28	28	0	0
CUVA0172[1]	TINKERS CREEK NEAR WALTON HILLS - DUNHAM RD.	Yes	241	133	108	0
CUVA0173	TINKERS C AT DUNHAM RD NR INDEPENDENCE OH	Yes	161	161	0	0
CUVA0174	E BR DEERLICK RUN JUST DST HUKILL CO.	No	58	58	0	0
CUVA0175	SE BRANCH DEERLICK RUN AT WALTON RD.	No	17	17	0	0
CUVA0176	TINKERS CREEK ADJ BUTTON RD. (RM 2.5)	Yes	81	0	81	0
CUVA0177	SE BR. DEER LICK RUN NR WALTON HILLS - EGBERT RD	Yes	27	27	0	0
CUVA0178	E BR DEERLICK RUN DST HUKILL CO. - EGBERT RD.	No	45	45	0	0
CUVA0179[1]	TINKERS CRK UPST BEDFORD HTS WWTP - RICHMOND RD.	No	202	90	112	0
CUVA0180	E BR DEERLICK RUN DST HUKILL CO. - DST LAKE	No	20	0	20	0
CUVA0181	DEER LICK RUN IN BEDFORD RES. - PARK DR RM=0.76	Yes	145	33	112	0
CUVA0182	TINKERS CREEK AT GLEN WILLOW - DST RICHMOND RD.	No	240	87	26	127
CUVA0183	TRIB TO E. BR. DEER LICK RUN DST AM. STEEL DRUM	No	45	25	20	0
CUVA0184	WOOD CREEK DST BEDFORD WWTP (RM 0.15)	Yes	49	0	49	0
CUVA0185	TINKERS CREEK JUST UPST CONFL DEERLICK RUN	Yes	16	16	0	0
CUVA0186	TINKERS CREEK JUST DST CONFL DEERLICK RUN	Yes	28	28	0	0
CUVA0187[1]	CUYAHOGA R. AT HILLSIDE RD.	Yes	382	258	124	0
CUVA0188	HAWTHORNE CREEK AT RICHMOND ROAD BRIDGE	No	36	36	0	0
CUVA0189[1]	TINKERS CREEK DST BEDFORD HTS. WWTP - DST I-271	No	203	108	95	0
CUVA0190	MAPLE HEIGHTS STP EFFLUENT	No	83	0	83	0
CUVA0191	HAWTHORNE CREEK JUST UPST BEDFORD HTS. WWTP	No	84	52	32	0
CUVA0192[1]	TINKERS C AT BEDFORD OH	No	1020	0	502	518
CUVA0193[1]	TINKERS CREEK AT BEDFORD - S.R. 14 (RM 6.32)	No	906	0	906	0
CUVA0194	HAWTHORNE CREEK JUST DST BEDFORD HTS. WWTP	No	139	103	36	0
CUVA0195	MAPLE HEIGHTS STP INFLUENT	No	31	0	31	0
CUVA0196	WOOD CREEK DST BEDFORD WWTP (RM 1.20)	No	91	0	91	0
CUVA0197	WOOD CREEK UPST BEDFORD WWTP (RM 1.45)	No	80	0	80	0
CUVA0198[1]	OHIO CA AT INDEPENDENCE OH	Yes	557	0	238	319
CUVA0199	ROCKSIDE ROAD BRIDGE	Yes	1056	1056	0	0
CUVA0200	ROCKSIDE ROAD BRIDGE	Yes	70	0	0	70
CUVA0201	CUYAHOGA R. AT INDEPENDENCE,OHIO	No	0	0	0	0
CUVA0202[1]	CUYAHOGA R AT INDEPENDENCE OH	No	31140	23193	4196	3751
CUVA0203[1]	CUYAHOGA R. AT INDEPENDENCE - OLD ROCKSIDE RD.	No	9300	3667	3636	1997
CUVA0204[1]	CUYAHOGA RIVER AT INDEPENDENCE OHIO	No	28674	13177	15497	0
CUVA0205	TRIB TO MILL CRK JUST UPST AL. SMELT. & REF. CO.	No	24	24	0	0
CUVA0206	UNNAMED TRIB TO CUYAHOGA R NR CLEVLND- SCHAAF RD	No	12	0	12	0
CUVA0207	TRIB TO MILL CRK JUST DST AL. SMELT. & REF. CO.	No	25	25	0	0
CUVA0208	CUYAHOGA RIVER	No	4	0	0	4
CUVA0209	CUYAHOGA R. UPST CONFL MILL CREEK - GRANGER RD.	No	111	104	7	0
CUVA0210	UNNAMED TRIB TO CUYAHOGA R NR CLEVELAND - SR 17	No	7	0	7	0
CUVA0211	CUYAHOGA R. UPST. S.R. 21/RR BRIDGE (RM 11.4)	No	16	16	0	0
CUVA0212	OHIO CANAL AT MILL CREEK AQUADUCT RM= 8.41/2.80	No	184	184	0	0
CUVA0213	CUYAHOGA R. AT R.R. BRIDGE-RT.21	Yes	13	0	0	13

Station Period of Record Tabulation
From 01/22/57 To 12/15/94

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75
CUVA0214[1]	MILL CREEK AT GARFIELD HTS. - CANAL RD.	No	1410	494	738	178
CUVA0215	CUYAHOGA R UPST SOUTHERLY WWTP- RR/SR 21 RM=11.3	Yes	160	0	160	0
CUVA0216	CUYAHOGA R. AT SOUTHERLY STP	No	14	0	0	14
CUVA0217	CUYAHOGA R. DST SOUTHERLY WWTP - MIXING ZONE	No	78	78	0	0
CUVA0218	MILL CREEK AT GARFIELD HTS. - UPST TRIB	No	24	24	0	0
CUVA0219	NEORSD SOUTHERLY WWTP EFFL. CHANNEL DS OUTFALL	No	91	91	0	0
CUVA0220	CUYAHOGA R. M.P. 10.7, BELOW STP	No	13	0	0	13
CUVA0221	NEORSD SOUTHERLY WWTP EFFL. CHANNEL AT OUTFALL	No	115	115	0	0
CUVA0222	OHIO CANAL AT OVERFLOW TO NEORSD WWTP 8.41/1.98	No	91	91	0	0
CUVA0223	TRIB. TO MILL CREEK AT GARFIELD HTS. - WARNER RD	No	26	26	0	0
CUVA0224[1]	CUYAHOGA R. DST SOUTHERLY WWTP - CONRAIL RR	No	591	431	160	0
CUVA0225	CUYAHOGA R. DST CLEVELAND SOUTHERLY WWTP RM=9.5	No	79	79	0	0
CUVA0226[1]	CUYAHOGA R. UPST CLEVELAND SOUTHERLY WWTP	No	430	430	0	0
CUVA0227	U.S. STEEL #9 WATER INTAKE	No	83	0	0	83
CUVA0228	U.S. STEEL #172 OUTFALL	No	149	0	0	149

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

Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Parameter Code	Name	Total Obs	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00001	X-SEC. LOC., HORIZ (FT. FROM R BANK LOOK UPSTR.)	1	0	0	1	1	0
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	108	36	53	19	21	3
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	87	74	13	0	1	0
00006	DISTANCE FROM LOCATION IN X MILES	1	0	0	1	1	0
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	45	0	25	20	22	2
00009	X-SEC. LOC.(FT FROM LEFT BANK LOOKING DOWNSTRM)	88	75	13	0	1	0
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	4648	2257	909	1482	196	69
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	271	49	213	9	12	4
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	6	0	6	0	5	1
00025	BAROMETRIC PRESSURE (MM OF HG)	54	45	9	0	3	1
00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	3321	3059	259	3	36	21
00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	3393	3059	331	3	40	21
00041	WEATHER (WMO CODE 4501)	109	0	109	0	1	1
00049	SURFACE AREA IN SQUARE MILES	14	0	0	14	1	0
00058	FLOW, RATE GALLONS/MIN	6	0	0	6	6	0
00060	FLOW, STREAM, MEAN DAILY CFS	424	54	105	265	11	3
00061	FLOW, STREAM, INSTANTANEOUS CFS	4844	2380	1946	518	67	27
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION	10	0	0	10	3	0
00064	DEPTH OF STREAM, MEAN (FT)	76	67	9	0	1	0
00065	STAGE, STREAM (FEET)	515	299	101	115	17	6
00070	TURBIDITY, (JACKSON CANDLE UNITS)	670	0	212	458	15	2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	110	39	71	0	3	1
00077	TRANSPARENCY, SECCHI DISC (INCHES)	111	0	111	0	4	1
00080	COLOR (PLATINUM-COBALT UNITS)	511	0	57	454	10	1
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	494	0	44	450	6	1
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	721	437	283	1	95	18
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	5370	2716	2117	537	148	63
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	1869	448	434	987	104	20
00300	OXYGEN, DISSOLVED MG/L	1515	1067	417	31	61	42
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	397	0	367	30	34	19
00310	BOD, 5 DAY, 20 DEG C MG/L	1548	262	308	978	95	35
00320	BOD, ULTIMATE 1ST STAGE, 20 DEG C MG/L	37	0	37	0	8	5
00324	BOD, 20 DAY, 20 DEG C MG/L	49	0	49	0	14	6
00335	COD, .025N K2CR2O7 MG/L	1377	461	401	515	117	17
00340	COD, .25N K2CR2O7 MG/L	67	0	63	4	8	1
00400	PH (STANDARD UNITS)	3578	1532	777	1269	175	60
00403	PH, LAB, STANDARD UNITS SU	665	55	563	47	41	3
00405	CARBON DIOXIDE (MG/L AS CO2)	180	0	85	95	15	3
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	2085	1143	176	766	59	25
00435	ACIDITY, TOTAL (MG/L AS CACO3)	18	1	12	5	6	0
00440	BICARBONATE ION (MG/L AS HCO3)	395	1	85	309	15	3
00445	CARBONATE ION (MG/L AS CO3)	396	6	85	305	15	3
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	22	22	0	0	1	0
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	23	23	0	0	1	0
00500	RESIDUE, TOTAL (MG/L)	404	60	191	153	49	8
00505	RESIDUE, TOTAL VOLATILE (MG/L)	6	0	2	4	3	0
00510	RESIDUE, TOTAL FIXED (MG/L)	4	0	0	4	1	0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	222	0	119	103	24	6
00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	4	0	0	4	1	0
00525	RESIDUE, FIXED FILTRABLE (MG/L)	4	0	0	4	1	0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	4413	1920	1995	498	141	25
00546	RESIDUE, SETTLEABLE (MG/L)	19	0	0	19	2	0
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	99	0	35	64	24	4
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	128	6	122	0	14	3
00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	9	0	7	2	1	0
00573	BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)	7	0	7	0	1	0
00600	NITROGEN, TOTAL (MG/L AS N)	179	0	168	11	6	1
00602	NITROGEN, DISSOLVED (MG/L AS N)	17	0	17	0	1	0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	152	1	150	1	5	1
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	17	0	17	0	1	0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	76	44	32	0	3	1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	3785	1829	1664	292	149	44
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	41	41	0	0	3	1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	1197	489	414	294	121	21
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	122	1	0	121	7	1
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	135	3	46	86	14	2
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	33	0	33	0	1	0
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	30	0	30	0	1	0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	6959	4806	2072	81	148	43
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	1548	531	643	374	130	23
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	5548	4032	1516	0	4	1

Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Parameter Code	Name	Total Obs	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	416	0	40	376	15	2
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	21	0	21	0	7	1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	7073	4864	2112	97	155	46
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	132	38	92	2	6	0
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	2	0	0	2	2	0
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	2792	1308	1482	2	5	1
00674	PHOSPHORUS, SUSPENDED ORTHOPHOSPHATE (MG/L AS P)	2	0	0	2	2	0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	413	69	278	66	33	6
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	15	0	15	0	2	0
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	2	0	0	2	2	0
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	11	0	11	0	1	0
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	361	177	151	33	55	11
00900	HARDNESS, TOTAL (MG/L AS CACO3)	1495	724	428	343	142	40
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	359	1	75	283	11	3
00915	CALCIUM, DISSOLVED (MG/L AS CA)	193	39	91	63	13	3
00916	CALCIUM, TOTAL (MG/L AS CA)	766	545	207	14	106	18
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	21	21	0	0	19	4
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	20	20	0	0	19	4
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	193	39	91	63	13	3
00927	MAGNESIUM, TOTAL (MG/L AS MG)	751	535	199	17	105	18
00929	SODIUM, TOTAL (MG/L AS NA)	161	97	56	8	23	4
00930	SODIUM, DISSOLVED (MG/L AS NA)	155	39	91	25	11	3
00931	SODIUM ADSORPTION RATIO	96	1	84	11	10	2
00932	SODIUM, PERCENT	96	1	84	11	10	2
00933	SODIUM,PLUS POTASSIUM (MG/L)	4	0	4	0	1	0
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	15	15	0	0	15	3
00935	POTASSIUM, DISSOLVED (MG/L AS K)	155	39	91	25	11	3
00937	POTASSIUM, TOTAL MG/L AS K)	73	24	42	7	15	4
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	15	15	0	0	15	3
00940	CHLORIDE,TOTAL IN WATER MG/L	7753	5433	1830	490	113	38
00945	SULFATE, TOTAL (MG/L AS SO4)	744	138	213	393	33	7
00950	FLUORIDE, DISSOLVED (MG/L AS F)	488	39	165	284	20	4
00951	FLUORIDE, TOTAL (MG/L AS F)	39	0	25	14	12	2
00955	SILICA, DISSOLVED (MG/L AS SI02)	2909	1311	1587	11	14	2
00956	SILICA, TOTAL (MG/L AS SI02)	4	0	4	0	2	0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	60	27	28	5	2	1
01001	ARSENIC, SUSPENDED (UG/L AS AS)	19	0	15	4	1	0
01002	ARSENIC, TOTAL (UG/L AS AS)	447	307	123	17	72	14
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	41	21	20	0	40	17
01005	BARIUM, DISSOLVED (UG/L AS BA)	62	38	24	0	1	0
01006	BARIUM, SUSPENDED (UG/L AS BA)	12	0	12	0	1	0
01007	BARIUM, TOTAL (UG/L AS BA)	99	17	41	41	26	3
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	15	15	0	0	15	3
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	36	27	9	0	1	0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	12	12	0	0	2	0
01022	BORON, TOTAL (UG/L AS B)	3	0	3	0	3	0
01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	18	0	18	0	18	13
01025	CADMIUM, DISSOLVED (UG/L AS CD)	78	27	28	23	20	3
01026	CADMIUM, SUSPENDED (UG/L AS CD)	20	0	17	3	1	0
01027	CADMIUM, TOTAL (UG/L AS CD)	1158	726	392	40	129	36
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	42	22	20	0	41	17
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	42	22	20	0	41	17
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	59	27	28	4	1	0
01031	CHROMIUM, SUSPEND (UG/L AS CR)	18	0	14	4	1	0
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	71	0	33	38	21	5
01034	CHROMIUM, TOTAL (UG/L AS CR)	1122	649	423	50	153	41
01035	COBALT, DISSOLVED (UG/L AS CO)	71	38	28	5	2	1
01036	COBALT, SUSPENDED (UG/L AS CO)	20	0	17	3	1	0
01037	COBALT, TOTAL (UG/L AS CO)	37	12	22	3	6	0
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	20	0	20	0	20	13
01040	COPPER, DISSOLVED (UG/L AS CU)	77	27	28	22	19	2
01041	COPPER, SUSPENDED (UG/L AS CU)	23	0	19	4	1	0
01042	COPPER, TOTAL (UG/L AS CU)	1299	744	489	66	143	40
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	42	22	20	0	41	17
01044	IRON, SUSPENDED (UG/L AS FE)	16	0	16	0	3	0
01045	IRON, TOTAL (UG/L AS FE)	1072	605	393	74	143	39
01046	IRON, DISSOLVED (UG/L AS FE)	123	38	70	15	11	2
01049	LEAD, DISSOLVED (UG/L AS PB)	78	27	28	23	20	3
01050	LEAD, SUSPENDED (UG/L AS PB)	22	0	19	3	1	0
01051	LEAD, TOTAL (UG/L AS PB)	1272	739	492	41	144	40
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	42	22	20	0	41	17

Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Parameter Code	Name	Total Obs	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	40	20	20	0	39	17
01054	MANGANESE, SUSPENDED (UG/L AS MN)	28	0	25	3	3	0
01055	MANGANESE, TOTAL (UG/L AS MN)	329	100	195	34	47	10
01056	MANGANESE, DISSOLVED (UG/L AS MN)	118	38	70	10	9	2
01059	THALLIUM, TOTAL (UG/L AS TL)	12	12	0	0	2	0
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	47	38	9	0	1	0
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	3	0	3	0	3	0
01065	NICKEL, DISSOLVED (UG/L AS NI)	63	38	18	7	8	2
01066	NICKEL, SUSPENDED (UG/L AS NI)	9	0	9	0	1	0
01067	NICKEL, TOTAL (UG/L AS NI)	1060	691	347	22	128	37
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	38	20	18	0	37	17
01075	SILVER, DISSOLVED (UG/L AS AG)	62	38	24	0	1	0
01076	SILVER, SUSPENDED (UG/L AS AG)	12	0	12	0	1	0
01077	SILVER, TOTAL (UG/L AS AG)	55	12	40	3	12	1
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	47	38	9	0	1	0
01082	STRONTIUM, TOTAL (UG/L AS SR)	50	21	8	21	12	3
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	33	15	18	0	33	16
01085	VANADIUM, DISSOLVED (UG/L AS V)	47	38	9	0	1	0
01087	VANADIUM, TOTAL (UG/L AS V)	19	12	7	0	2	0
01090	ZINC, DISSOLVED (UG/L AS ZN)	78	27	28	23	20	3
01091	ZINC, SUSPENDED (UG/L ZN)	22	0	19	3	1	0
01092	ZINC, TOTAL (UG/L AS ZN)	1316	769	493	54	143	40
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	42	22	20	0	41	17
01097	ANTIMONY, TOTAL (UG/L AS SB)	12	12	0	0	2	0
01102	TIN, TOTAL (UG/L AS SN)	11	0	0	11	11	0
01105	ALUMINUM, TOTAL (UG/L AS AL)	156	72	48	36	34	11
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	47	38	9	0	1	0
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	33	15	18	0	33	16
01130	LITHIUM, DISSOLVED (UG/L AS LI)	47	38	9	0	1	0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	70	38	28	4	1	0
01146	SELENIUM, SUSPENDED (UG/L AS SE)	18	0	14	4	1	0
01147	SELENIUM, TOTAL (UG/L AS SE)	100	32	50	18	18	1
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	28	8	20	0	28	15
01152	TITANIUM, TOTAL (UG/L AS TI)	11	0	0	11	11	0
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	42	22	20	0	41	17
01501	ALPHA, TOTAL	94	0	24	70	1	0
01503	ALPHA, DISSOLVED	67	0	7	60	1	0
01505	ALPHA, SUSPENDED	67	0	7	60	1	0
03501	BETA, TOTAL	94	0	24	70	1	0
03503	BETA, DISSOLVED	68	0	7	61	2	0
03505	BETA, SUSPENDED	67	0	7	60	1	0
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	134	0	0	134	6	1
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	7	7	0	0	2	1
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	2425	1854	365	206	91	45
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	235	77	158	0	30	21
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	136	136	0	0	12	5
31648	E. COLI - MTEC-MF N0/100ML	1010	1010	0	0	26	24
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	176	40	132	4	3	1
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	358	19	260	79	48	22
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	3	2	1	0	3	0
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	3	2	1	0	3	0
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	3	2	1	0	3	0
32104	BROMOFORM,WHOLE WATER,UG/L	3	2	1	0	3	0
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	2	2	0	0	2	0
32106	CHLOROFORM,WHOLE WATER,UG/L	3	2	1	0	3	0
32226	CHLOROPHYLL B, PERIPHYTON, SPECTRO, MG/M2	4	0	2	2	1	0
32228	CHLOROPHYLL A, PERIPHYTON, SPECTRO, MG/M2	4	0	2	2	1	0
32240	TANNIN AND LIGNIN (MG/L)	1	0	0	1	1	0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	747	270	402	75	79	17
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	1	1	0	0	1	0
34020	XYLENES IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	1	1	0	0	1	0
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	2	2	0	0	2	0
34101	NITROGLYCERIN,WATER SAMPLE BY GAS CHROMATOGRAPHY M	1	1	0	0	1	0
34200	ACENAPHTHYLENE TOTWUG/L	1	1	0	0	1	0
34205	ACENAPHTHENE TOTWUG/L	1	1	0	0	1	0
34220	ANTHRACENE TOTWUG/L	1	1	0	0	1	0
34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	1	1	0	0	1	0
34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	1	1	0	0	1	0
34247	BENZO-A-PYRENE TOTWUG/L	1	1	0	0	1	0
34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	1	1	0	0	1	0
34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	1	1	0	0	1	0

Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Parameter Code	Name	Total Obs	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	1	1	0	0	1	0
34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	1	1	0	0	1	0
34301	CHLOROBENZENE TOTWUG/L	2	2	0	0	2	0
34306	CHLORODIBROMOMETHANE TOTWUG/L	1	0	1	0	1	0
34320	CHRYSENE TOTWUG/L	1	1	0	0	1	0
34336	DIETHYL PHTHALATE TOTWUG/L	19	1	18	0	1	0
34341	DIMETHYL PHTHALATE TOTWUG/L	19	1	18	0	1	0
34371	ETHYLBENZENE TOTWUG/L	2	2	0	0	2	0
34376	FLUORANTHENE TOTWUG/L	1	1	0	0	1	0
34381	FLUORENE TOTWUG/L	1	1	0	0	1	0
34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	1	1	0	0	1	0
34396	HEXACHLOROETHANE TOTWUG/L	1	1	0	0	1	0
34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	1	1	0	0	1	0
34408	ISOPHORONE TOTWUG/L	1	1	0	0	1	0
34423	METHYLENE CHLORIDE TOTWUG/L	2	2	0	0	2	0
34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	1	1	0	0	1	0
34433	N-NITROSODIPHENYLAMINE TOTWUG/L	1	1	0	0	1	0
34447	NITROBENZENE TOTWUG/L	1	1	0	0	1	0
34452	PARACHLOROMETA CRESOL TOTWUG/L	1	1	0	0	1	0
34461	PHENANTHRENE TOTWUG/L	1	1	0	0	1	0
34469	PYRENE TOTWUG/L	1	1	0	0	1	0
34475	TETRACHLOROETHYLENE TOTWUG/L	2	2	0	0	2	0
34496	1,1-DICHLOROETHANE TOTWUG/L	2	2	0	0	2	0
34501	1,1-DICHLOROETHYLENE TOTWUG/L	2	2	0	0	2	0
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	2	2	0	0	2	0
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	2	2	0	0	2	0
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	2	2	0	0	2	0
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	1	1	0	0	1	0
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	1	1	0	0	1	0
34536	1,2-DICHLOROBENZENE TOTWUG/L	2	2	0	0	2	0
34541	1,2-DICHLOROPROPANE TOTWUG/L	2	2	0	0	2	0
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	2	2	0	0	2	0
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	1	1	0	0	1	0
34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	1	1	0	0	1	0
34566	1,3-DICHLOROBENZENE TOTWUG/L	2	2	0	0	2	0
34571	1,4-DICHLOROBENZENE TOTWUG/L	2	2	0	0	2	0
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	1	1	0	0	1	0
34581	2-CHLORONAPHTHALENE TOTWUG/L	1	1	0	0	1	0
34586	2-CHLOROPHENOL TOTWUG/L	1	1	0	0	1	0
34591	2-NITROPHENOL TOTWUG/L	1	1	0	0	1	0
34596	DI-N-OCTYL PHTHALATE TOTWUG/L	1	1	0	0	1	0
34601	2,4-DICHLOROPHENOL TOTWUG/L	1	1	0	0	1	0
34606	2,4-DIMETHYLPHENOL TOTWUG/L	1	1	0	0	1	0
34611	2,4-DINITROTOLUENE TOTWUG/L	1	1	0	0	1	0
34616	2,4-DINITROPHENOL TOTWUG/L	1	1	0	0	1	0
34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	1	1	0	0	1	0
34626	2,6-DINITROTOLUENE TOTWUG/L	1	1	0	0	1	0
34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	1	1	0	0	1	0
34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	1	1	0	0	1	0
34646	4-NITROPHENOL TOTWUG/L	1	1	0	0	1	0
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	1	1	0	0	1	0
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	1	1	0	0	1	0
34696	NAPHTHALENE TOTWUG/L	1	1	0	0	1	0
34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	1	1	0	0	1	0
34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	1	1	0	0	1	0
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	294	0	183	111	23	3
38477	LINURON WATER, TOTUG/L	91	48	43	0	1	0
38537	PROPOXUR WATER, TOTUG/L	20	20	0	0	1	0
38760	DBCP WATER, TOTUG/L	1	1	0	0	1	0
39023	PHORATE, FLAME IONIZATION, WATER SAMPLE (UG/L)	15	0	15	0	1	0
39025	SIMAZINE,COULSON CONDUCTIVITY,WATER SAMPLE(UG/L)	7	0	7	0	1	0
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	1	1	0	0	1	0
39033	ATRAZINE IN WHOLE WATER SAMPLE UG/L	112	48	64	0	1	0
39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	2	0	2	0	1	0
39046	SIMAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39053	ALDICARB IN WHOLE WATER (UG/L)	20	20	0	0	1	0
39055	SIMAZINE IN WHOLE WATER (UG/L)	111	48	63	0	1	0
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	24	24	0	0	1	0
39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	1	1	0	0	1	0
39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	1	1	0	0	1	0
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	2	2	0	0	2	0

Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Parameter Code	Name	Total Obs	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
39250	NAPTHALENES, POLYCHLORINATED (UG/L)	2	0	2	0	1	0
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	78	0	41	37	4	0
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	4	0	4	0	1	0
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	67	0	39	28	4	0
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	4	0	4	0	1	0
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	78	0	41	37	4	0
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	4	0	4	0	1	0
39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	109	48	61	0	1	0
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	78	0	41	37	4	0
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	4	0	4	0	1	0
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	78	0	41	37	4	0
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	4	0	4	0	1	0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	78	0	41	37	4	0
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	4	0	4	0	1	0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	78	0	41	37	4	0
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	4	0	4	0	1	0
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	2	0	2	0	1	0
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	78	0	41	37	4	0
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	4	0	4	0	1	0
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	13	0	13	0	1	0
39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	16	0	16	0	2	0
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	4	0	4	0	1	0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	79	0	41	38	4	0
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	4	0	4	0	1	0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	78	0	41	37	4	0
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	4	0	4	0	1	0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	78	0	41	37	4	0
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	4	0	4	0	1	0
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	1	0	1	0	1	0
39499	PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	1	0	1	0	1	0
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	1	0	1	0	1	0
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	2	0	2	0	1	0
39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	1	0	1	0	1	0
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	1	0	1	0	1	0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	34	0	34	0	5	0
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	75	0	39	36	4	0
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	2	0	2	0	1	0
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	75	0	39	36	4	0
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	2	0	2	0	1	0
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	55	20	35	0	3	0
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	2	0	2	0	1	0
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	76	0	39	37	4	0
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	2	0	2	0	1	0
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	7	0	7	0	1	0
39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1	0
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	1	1	0	0	1	0
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	10	0	10	0	1	0
39731	2,4-D IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	10	0	10	0	1	0
39741	2,4,5-T IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39755	MIREX, TOTAL (UG/L)	3	0	3	0	2	0
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	10	0	10	0	1	0
39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	63	0	26	37	3	0
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	13	0	13	0	1	0
39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	13	0	13	0	1	0
39791	METHYL TRITHION IN BOT DEPOS (UG/KG DRY SOLIDS)	2	0	2	0	1	0
50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	4	0	0	4	4	1
50051	FLOW, RATE, INSTANTANEOUS MGD	12	0	12	0	1	0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	19	7	12	0	5	3
60050	ALGAE, TOTAL (CELLS/ML)	40	0	34	6	4	0
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	1202	572	371	259	134	21
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	94	1	82	11	8	2
70302	SOLIDS, DISSOLVED-TONS PER DAY	418	0	183	235	10	3

Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Parameter Code	Name	Total Obs	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	429	0	193	236	13	3
70311	PH, CACO3 STABILITY (STANDARD UNITS)	1	0	1	0	1	0
70326	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .002MM	15	0	0	15	1	0
70327	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .004MM	15	0	0	15	1	0
70328	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .008MM	15	0	0	15	1	0
70329	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .016MM	15	0	0	15	1	0
70330	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .031MM	15	0	0	15	1	0
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	119	4	36	79	3	0
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	111	0	36	75	3	0
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	105	0	36	69	3	0
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	75	0	23	52	3	0
70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	35	0	13	22	3	0
70336	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 2.00MM	1	0	1	0	1	0
70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	117	0	37	80	3	0
70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	117	0	37	80	3	0
70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	117	0	37	80	3	0
70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	117	0	37	80	3	0
70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	116	0	37	79	3	0
70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	2	0	0	2	1	0
70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	2	0	0	2	1	0
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	11	0	0	11	11	0
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	23	11	10	2	6	0
70950	BIOMASS-CHLOROPHYLL RATIO, PERIPHYTON (UNITS)	4	0	4	0	1	0
70955	CHLOROPHYLL-A,PERIDHYTON UG/L,CHROMO-SPECTRO	1	0	1	0	1	0
70956	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-SPECTRO	1	0	1	0	1	0
70957	CHLOROPHYLL-A,PERIPHYTON UG/L,CHROMO-FLUORO	5	0	5	0	1	0
70958	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-FLUORO	5	0	5	0	1	0
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	29	0	29	0	3	1
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	26	1	25	0	1	0
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	261	0	0	261	7	1
71875	HYDROGEN SULFIDE (MG/L)	11	0	11	0	3	0
71885	IRON (UG/L AS FE)	3	0	0	3	2	0
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	70	2	50	18	10	2
71887	NITROGEN, TOTAL, AS NO3 - MG/L	179	0	168	11	6	1
71890	MERCURY, DISSOLVED (UG/L AS HG)	61	27	28	6	3	1
71895	MERCURY, SUSPENDED (UG/L AS HG)	19	0	15	4	1	0
71900	MERCURY, TOTAL (UG/L AS HG)	262	12	214	36	39	10
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	20	0	20	0	20	13
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	14	0	0	14	1	0
74020	FLOW, PUMP OUT MGD	9	0	0	9	1	0
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	1	1	0	0	1	0
77128	STYRENE WHOLE WATER,UG/L	2	2	0	0	2	0
77133	1,4-DIMETHYLBENZENE(P-XYLENE) WHOLE WATER,UG/L	1	1	0	0	1	0
77134	1,3-DIMETHYLBENZENE(M-XYLENE) WHOLE WATER,UG/L	1	1	0	0	1	0
77135	O-XYLENE WHOLE WATER,UG/L	2	2	0	0	2	0
77168	1,1-DICHLOROPROPENE WHOLE WATER,UG/L	1	1	0	0	1	0
77170	2,2-DICHLOROPROPANE WHOLE WATER,UG/L	1	1	0	0	1	0
77173	1,3-DICHLOROPROPANE WHOLE WATER,UG/L	1	1	0	0	1	0
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	1	1	0	0	1	0
77223	ISOPROPYLBENZENE WHOLE WATER,UG/L	1	1	0	0	1	0
77224	N-PROPYLBENZENE WHOLE WATER,UG/L	1	1	0	0	1	0
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	1	1	0	0	1	0
77275	1-METHYL-2-CHLOROBENZENE (O-CHLOR*WHOLE WATER,UG/L	1	1	0	0	1	0
77277	1-METHYL-4-CHLOROBENZENE (P-CHLOR*WHOLE WATER,UG/L	1	1	0	0	1	0
77297	CHLOROBROMOMETHANE WHOLE WATER,UG/L	1	1	0	0	1	0
77342	N-BUTYLBENZENE WHOLE WATER,UG/L	1	1	0	0	1	0
77350	SEC-BUTYLBENZENE WHOLE WATER,UG/L	1	1	0	0	1	0
77353	TERT-BUTYLBENZENE WHOLE WATER,UG/L	1	1	0	0	1	0
77356	1-METHYL-4-ISOPROPYLBENZENE WHOLE WATER,UG/L	1	1	0	0	1	0
77443	1,2,3-TRICHLOROPROPANE WHOLE WATER,UG/L	1	1	0	0	1	0
77562	1,1,1,2-TETRACHLOROETHANE WHOLE WATER,UG/L	1	1	0	0	1	0
77596	METHYLENE BROMIDE WHOLE WATER,UG/L	1	1	0	0	1	0
77613	1,2,3-TRICHLOROBENZENE WHOLE WATER,UG/L	1	1	0	0	1	0
77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	2	2	0	0	2	0
77825	ALACHLOR WHOLE WATER,UG/L	166	108	58	0	2	0
77969	CHLOROPYRIFOS IN WATER UG/L	16	0	16	0	1	0
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	305	162	143	0	68	26
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	137	88	49	0	34	6
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	226	35	103	88	5	0
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	178	0	90	88	5	0
80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	11	0	0	11	3	0

Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Parameter Code	Name	Total Obs	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	11	0	0	11	3	0
80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	11	0	0	11	3	0
80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	11	0	0	11	3	0
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	12	0	0	12	3	0
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	12	0	0	12	3	0
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	12	0	0	12	3	0
80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	12	0	0	12	3	0
80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	14	0	0	14	3	0
80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	12	0	0	12	3	0
80174	BED MATERIAL SIEVE DIAMETER,% FINER THAN 64.0MM	6	0	0	6	2	0
81280	NONPURGEABLE ORGANIC CARBON MG/L	1	0	1	0	1	0
81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	36	20	16	0	1	0
81294	DYFONATE(CU/H15OPS2) WHOLE WATER SAMPLE UG/L	104	48	56	0	1	0
81343	TRICHLOROPENTENE WHOLE WATER SAMPLE UG/L	1	0	1	0	1	0
81346	DIETHYLHEXYLPHTHALATE ISOMRWHOLE WATER SAMPLE UG/L	6	0	6	0	1	0
81405	CARBOFURAN (EURADAN) WHOLE WATER SAMPLE UG/L	91	48	43	0	1	0
81408	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	107	48	59	0	1	0
81410	BUTYLATE (SUTAN),WHOLE WATER SAMPLE,UG/L	15	0	15	0	1	0
81523	DIBUTYL NONANEDIOATE WHL WATER SMPL UG/L	14	0	14	0	1	0
81555	BROMOBENZENE WHL WATER SMPL UG/L	1	1	0	0	1	0
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	104	48	56	0	1	0
81758	ETHOPROP IN THE WHOLE WATER SAMPLE UG/L	17	0	17	0	1	0
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	2	0	2	0	1	0
81894	EPTC (EPTAM) IN WHOLE WATER SAMPLE UG/L	39	20	19	0	1	0
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	5	0	5	0	1	0
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	1664	1643	21	0	26	24
82088	TERBUFOS (COUNTER) TOTAL WHOLE WATER,UG/L	108	48	60	0	1	0
82133	DEOXYGENATION CONST,CARB.,K1 TO BASE E,20C,PER DAY	37	0	37	0	8	5
82183	2,4-DP (DICHLORPROP) TOTAL UG/L	2	0	2	0	1	0
82398	SAMPLING METHOD (CODES)	2892	2852	37	3	14	7
82410	PENOXALIN IN WHOLE WATER(PROWL) TOTAL UG/L	106	48	58	0	1	0
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	1477	1456	21	0	26	24
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	23	9	14	0	18	14
84001	GEOLOGIC AGE CODE (SEE USGS CATALOG)	23	9	14	0	18	14

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0001	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/18/78-10/18/78	0	1	
CUVA0002	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/86-09/18/86	0	5	
CUVA0003	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/16/86	0	5	
CUVA0004	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/24/86-11/04/86	0	8	
CUVA0005	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/17/86	0	5	
CUVA0006	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/16/86	0	5	
CUVA0007	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/18/91	5	11	
CUVA0008	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/24/86-08/14/86	0	6	
CUVA0009	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/16/86	0	4	
CUVA0010	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/08/65-05/14/74	8	30	
CUVA0011	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/03/76-08/19/76	0	18	
CUVA0012	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/24/86-11/04/86	0	8	
CUVA0013	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/16/86	0	5	
CUVA0014	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/04/76-08/23/76	0	14	
CUVA0015	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/17/86	0	5	
CUVA0016	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/17/86	0	5	
CUVA0017	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/17/86	0	5	
CUVA0018	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/08/65-04/02/74	8	27	
CUVA0019	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/17/86	0	5	
CUVA0020	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/08/65-06/29/77	11	34	
CUVA0021	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/16/86	0	5	
CUVA0022	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/86-09/18/86	0	5	
CUVA0023	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/16/86	0	5	
CUVA0024	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/72-04/12/72	0	1	
CUVA0026	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/72-04/12/72	0	1	
CUVA0027	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/72-04/12/72	0	1	
CUVA0028	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/72-04/12/72	0	1	
CUVA0029	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/72-04/12/72	0	1	
CUVA0031	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/72-04/12/72	0	1	
CUVA0032	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/72-04/12/72	0	1	
CUVA0033	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/72-04/12/72	0	1	
CUVA0034	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/24/79-03/09/80	0	3	
CUVA0035	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/17/86	0	5	
CUVA0036	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/72-04/12/72	0	1	
CUVA0037	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/86-09/18/86	0	5	
CUVA0039	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/17/86	0	5	
CUVA0040	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/18/91	5	11	
CUVA0041	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/86-12/08/86	0	3	
CUVA0042	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/86-09/18/86	0	5	
CUVA0043	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/86-09/18/86	0	5	
CUVA0044	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/73-09/18/86	13	58	
CUVA0045	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/18/73-06/29/77	3	10	
CUVA0046	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/17/86	0	5	
CUVA0047	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/91-07/13/92	0	2	
CUVA0048	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/17/88-08/17/88	0	1	
CUVA0049	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/23/79-03/08/80	0	3	
CUVA0050	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/24/64-11/24/64	0	8	
CUVA0051	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/18/91	24	309	
CUVA0052	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/24/91	24	341	
CUVA0053	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/14/73-07/02/91	17	89	
CUVA0054	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/91-07/13/92	0	2	
CUVA0057	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/11/91-09/24/91	0	6	
CUVA0058	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/91-07/13/92	0	2	
CUVA0061	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/84-09/24/84	0	5	
CUVA0062	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/31/73-09/10/87	13	126	
CUVA0063	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/65-09/02/93	27	130	
CUVA0064	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/04/78-05/04/78	0	1	
CUVA0065	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/91-09/02/93	1	5	
CUVA0066	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/75-07/02/75	0	1	
CUVA0067	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/91-09/03/93	1	7	
CUVA0069	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/03/74-09/24/91	17	59	
CUVA0070	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/72-11/07/72	0	1	
CUVA0071	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	0	5	
CUVA0074	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/04/78-08/15/91	13	3	
CUVA0076	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/72-11/07/72	0	1	
CUVA0077	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/04/78-09/03/91	13	2	
CUVA0080	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/01/88-09/01/88	0	1	
CUVA0081	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/04/78-09/03/91	13	2	
CUVA0082	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/72-11/07/72	0	1	
CUVA0083	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/84-09/24/91	7	15	
CUVA0084	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/12/73-12/12/73	0	1	
CUVA0085	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/86-09/20/94	8	44	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0086	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/03/93	10	27	
CUVA0087	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/89-09/20/94	5	17	
CUVA0088	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/73-09/15/82	9	16	
CUVA0089	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/10/73-09/24/91	17	139	
CUVA0090	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/90-10/03/94	4	268	
CUVA0091	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/14/84-08/14/84	0	1	
CUVA0093	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/80-08/29/80	0	2	
CUVA0094	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/15/70-10/15/70	0	1	
CUVA0095	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/86-09/20/94	8	43	
CUVA0096	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/80-08/29/80	0	10	
CUVA0097	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	0	5	
CUVA0098	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/12/73-08/15/91	17	6	
CUVA0099	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/84-09/10/87	3	8	
CUVA0100	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/84-09/13/84	0	4	
CUVA0101	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/84-09/13/84	0	4	
CUVA0102	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	0	5	
CUVA0103	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/01/84-09/20/94	9	46	
CUVA0104	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	0	5	
CUVA0105	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/01/84-09/20/94	9	46	
CUVA0106	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/84-09/13/84	0	4	
CUVA0107	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/89-09/09/93	4	14	
CUVA0108	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/84-09/13/84	0	4	
CUVA0109	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/01/84-09/20/94	9	45	
CUVA0110	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	0	5	
CUVA0111	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	0	5	
CUVA0112	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/84-09/20/94	9	45	
CUVA0113	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/84-09/19/94	9	43	
CUVA0114	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/84-09/19/94	9	42	
CUVA0115	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/27/94-06/29/94	0	3	
CUVA0116	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/05/94-09/20/94	0	3	
CUVA0117	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	0	5	
CUVA0118	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/87-09/30/93	6	27	
CUVA0119	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	0	5	
CUVA0120	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/90-01/05/94	3	21	
CUVA0121	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/23/93	11	17	
CUVA0122	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/84-09/10/87	3	8	
CUVA0123	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	0	5	
CUVA0124	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	0	5	
CUVA0125	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/84-09/19/94	9	45	
CUVA0126	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/25/84-07/24/91	6	5	
CUVA0127	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/84-04/09/93	8	9	
CUVA0128	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/11/91-09/24/91	0	6	
CUVA0129	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/90-09/22/91	1	218	
CUVA0130	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/14/87-10/03/94	7	45	
CUVA0131	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	0	5	
CUVA0132	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/85-07/19/94	9	43	
CUVA0133	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/84-09/05/84	0	5	
CUVA0134	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	0	5	
CUVA0135	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/76-08/29/91	15	8	
CUVA0136	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/84-07/24/91	7	3	
CUVA0137	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/73-07/24/91	17	20	
CUVA0138	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/86-10/03/94	8	47	
CUVA0139	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/84-09/05/84	0	3	
CUVA0140	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/05/91	8	6	
CUVA0141	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/84-09/10/87	3	8	
CUVA0142	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/84-07/24/84	0	1	
CUVA0143	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/75-08/21/75	0	1	
CUVA0144	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/75-09/05/84	9	6	
CUVA0145	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/84-09/05/84	0	5	
CUVA0146	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/03/93	10	25	
CUVA0147	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/15/87-09/19/94	7	37	
CUVA0148	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/03/87-11/03/87	0	1	
CUVA0149	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	0	5	
CUVA0150	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/12/73-12/12/73	0	1	
CUVA0151	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/16/85-09/19/94	9	40	
CUVA0152	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	0	5	
CUVA0153	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/14/87-10/03/94	7	70	
CUVA0154	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	0	5	
CUVA0155	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/82-09/22/88	5	2	
CUVA0156	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/82-09/22/88	5	2	
CUVA0158	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	0	5	
CUVA0159	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/86-10/03/94	8	47	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0160	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	0	5	
CUVA0161	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	0	5	
CUVA0162	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/84-10/29/87	3	8	
CUVA0163	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/15/87-09/19/94	7	38	
CUVA0164	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/86-10/03/94	8	47	
CUVA0166	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/84-08/29/91	7	7	
CUVA0167	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/75-09/15/82	7	115	
CUVA0169	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/11/83-01/11/83	0	1	
CUVA0170	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/85-03/28/85	0	1	
CUVA0171	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/85-03/28/85	0	1	
CUVA0172	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/14/78-08/29/91	12	9	
CUVA0173	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/05/91-09/05/91	0	6	
CUVA0174	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/85-04/14/88	3	2	
CUVA0176	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/84-10/02/84	0	4	
CUVA0177	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/85-03/28/85	0	1	
CUVA0178	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/85-03/28/85	0	1	
CUVA0179	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/84-09/26/85	1	5	
CUVA0180	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/31/84-10/31/84	0	1	
CUVA0181	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/84-09/26/85	1	5	
CUVA0182	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/73-08/29/91	18	11	
CUVA0183	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/31/84-10/31/84	0	1	
CUVA0184	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/84-10/02/84	0	4	
CUVA0187	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/84-09/24/91	7	15	
CUVA0189	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/84-08/29/91	7	7	
CUVA0190	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/14/75-01/15/75	0	12	
CUVA0191	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/76-08/04/76	0	1	
CUVA0192	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/66-09/15/82	16	67	
CUVA0193	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/24/75-06/18/81	5	33	
CUVA0194	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/91-08/29/91	0	3	
CUVA0195	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/14/75-01/15/75	0	11	
CUVA0196	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/84-10/02/84	0	4	
CUVA0197	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/84-10/02/84	0	4	
CUVA0198	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/66-07/28/77	10	30	
CUVA0199	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/90-09/22/91	1	220	
CUVA0202	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	26	390	
CUVA0203	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	20	257	
CUVA0206	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/75-11/06/75	0	1	
CUVA0207	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/85-04/18/85	0	1	
CUVA0209	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/87-10/29/87	0	4	
CUVA0213	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/72-11/07/72	0	1	
CUVA0214	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/73-09/12/91	18	39	
CUVA0215	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/84-09/26/84	0	5	
CUVA0216	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/72-11/07/72	0	1	
CUVA0217	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/91-09/24/91	0	3	
CUVA0218	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/91-09/09/91	0	1	
CUVA0220	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/72-11/07/72	0	1	
CUVA0223	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/91-09/12/91	0	1	
CUVA0224	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/84-09/24/91	7	11	
CUVA0225	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/15/87-10/29/87	0	3	
CUVA0226	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/87-09/24/91	4	11	
CUVA0227	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/25/69-09/29/70	1	7	
CUVA0228	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/69-09/29/70	1	10	
CUVA0020	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/10/74-06/29/77	2	6	
CUVA0034	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/24/79-03/09/80	0	3	
CUVA0045	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/10/74-06/29/77	2	6	
CUVA0049	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/23/79-03/08/80	0	2	
CUVA0063	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/10/74-06/29/77	2	7	
CUVA0088	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/10/74-06/29/77	2	7	
CUVA0115	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/27/94-06/29/94	0	3	
CUVA0121	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/20/93-09/23/93	0	4	
CUVA0167	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/09/75-09/11/79	4	110	
CUVA0192	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/14/74-07/28/77	2	7	
CUVA0198	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/22/74-07/28/77	2	7	
CUVA0202	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/15/74-12/15/94	20	109	
CUVA0126	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/25/84-07/25/84	0	1	
CUVA0127	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/24/84-07/25/84	0	2	
CUVA0133	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/23/84-07/23/84	0	1	
CUVA0136	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/24/84-07/24/84	0	1	
CUVA0145	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/24/84-07/24/84	0	1	
CUVA0115	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	06/27/94-06/28/94	0	2	
CUVA0121	No	00025	BAROMETRIC PRESSURE (MM OF HG)	09/21/93-09/23/93	0	4	
CUVA0202	No	00025	BAROMETRIC PRESSURE (MM OF HG)	11/09/82-12/15/94	12	48	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0024	No	00058	FLOW, RATE GALLONS/MIN	04/12/72-04/12/72	0	1	
CUVA0025	No	00058	FLOW, RATE GALLONS/MIN	04/12/72-04/12/72	0	1	
CUVA0026	No	00058	FLOW, RATE GALLONS/MIN	04/12/72-04/12/72	0	1	
CUVA0027	No	00058	FLOW, RATE GALLONS/MIN	04/12/72-04/12/72	0	1	
CUVA0028	No	00058	FLOW, RATE GALLONS/MIN	04/12/72-04/12/72	0	1	
CUVA0032	No	00058	FLOW, RATE GALLONS/MIN	04/12/72-04/12/72	0	1	
CUVA0010	No	00060	FLOW, STREAM, MEAN DAILY CFS	09/08/65-09/16/71	6	25	
CUVA0018	No	00060	FLOW, STREAM, MEAN DAILY CFS	09/08/65-09/17/71	6	23	
CUVA0020	No	00060	FLOW, STREAM, MEAN DAILY CFS	09/08/65-09/16/71	6	22	
CUVA0029	No	00060	FLOW, STREAM, MEAN DAILY CFS	04/12/72-04/12/72	0	1	
CUVA0036	No	00060	FLOW, STREAM, MEAN DAILY CFS	04/12/72-04/12/72	0	1	
CUVA0063	No	00060	FLOW, STREAM, MEAN DAILY CFS	10/06/65-09/29/71	5	33	
CUVA0094	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	10/15/70-10/15/70	0	1	
CUVA0167	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	07/09/75-09/11/79	4	105	
CUVA0192	No	00060	FLOW, STREAM, MEAN DAILY CFS	09/07/65-09/13/71	6	22	
CUVA0198	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	09/07/65-08/24/71	5	21	
CUVA0202	No	00060	FLOW, STREAM, MEAN DAILY CFS	12/13/59-12/30/89	30	170	T,S
CUVA0009	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/09/86-09/16/86	0	4	
CUVA0010	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/08/71-05/14/74	2	15	
CUVA0018	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/08/71-04/02/74	2	15	
CUVA0020	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/18/71-06/29/77	5	22	
CUVA0034	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/24/79-03/09/80	0	3	
CUVA0044	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/08/73-08/27/86	13	37	
CUVA0045	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/18/73-06/29/77	3	10	
CUVA0047	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/06/91-07/13/92	0	3	
CUVA0049	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/23/79-03/08/80	0	3	
CUVA0051	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/06/75-01/28/75	0	5	
CUVA0054	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/06/91-09/03/93	1	5	
CUVA0058	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/06/91-07/13/92	0	2	
CUVA0062	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/31/73-09/18/86	12	112	
CUVA0063	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/71-09/03/93	21	118	
CUVA0065	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/04/91-07/13/92	0	4	
CUVA0066	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/12/73-12/12/73	0	1	
CUVA0067	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/04/91-09/03/93	1	10	
CUVA0071	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	0	2	
CUVA0084	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/12/73-12/12/73	0	1	
CUVA0086	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/04/91-09/03/93	1	23	
CUVA0088	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/17/73-09/15/82	8	12	
CUVA0089	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/04/74-01/31/75	0	49	
CUVA0091	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/84-10/04/84	0	1	
CUVA0093	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/02/80-08/29/80	0	2	
CUVA0097	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	0	2	
CUVA0098	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/12/73-12/12/73	0	1	
CUVA0100	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/05/84-10/05/84	0	1	
CUVA0101	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/18/84-10/04/84	0	2	
CUVA0102	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	0	2	
CUVA0104	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	0	2	
CUVA0110	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	0	2	
CUVA0111	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	0	2	
CUVA0117	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	0	2	
CUVA0119	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	0	2	
CUVA0121	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	0	2	
CUVA0123	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	0	2	
CUVA0124	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	0	2	
CUVA0126	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/25/84-07/25/84	0	1	
CUVA0127	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/84-07/25/84	0	2	
CUVA0131	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	0	2	
CUVA0133	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/23/84-07/24/84	0	2	
CUVA0134	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	0	2	
CUVA0135	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/08/89-08/08/89	0	1	
CUVA0136	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/84-07/24/84	0	1	
CUVA0137	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/08/73-10/10/73	0	10	
CUVA0140	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/03/93	10	8	
CUVA0142	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/84-07/24/84	0	1	
CUVA0144	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/84-07/24/84	0	1	
CUVA0145	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/84-07/24/84	0	1	
CUVA0146	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/15/82-09/03/93	10	21	
CUVA0149	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	0	2	
CUVA0150	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/12/73-12/12/73	0	1	
CUVA0152	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	0	2	
CUVA0154	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	0	2	
CUVA0158	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0160	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	0	2	
CUVA0161	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	0	2	
CUVA0167	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/09/75-09/15/82	7	107	
CUVA0173	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/05/91-09/03/93	1	16	
CUVA0182	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/28/73-10/17/73	0	6	
CUVA0192	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/09/71-09/14/82	10	58	
CUVA0193	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/24/75-06/18/81	5	33	
CUVA0198	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/12/71-07/28/77	5	22	
CUVA0202	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	37	1124	
CUVA0203	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	20	251	
CUVA0204	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/04/81-09/30/87	5	2672	
CUVA0214	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/28/73-10/17/73	0	6	
CUVA0202	No	00064	DEPTH OF STREAM, MEAN (FT)	07/02/81-09/15/92	11	76	
CUVA0044	No	00065	STAGE, STREAM (FEET)	08/19/76-09/18/86	10	11	
CUVA0051	No	00065	STAGE, STREAM (FEET)	11/06/73-04/22/74	0	22	
CUVA0054	No	00065	STAGE, STREAM (FEET)	09/03/93-09/03/93	0	1	
CUVA0062	No	00065	STAGE, STREAM (FEET)	11/29/73-09/24/84	10	76	
CUVA0063	No	00065	STAGE, STREAM (FEET)	09/04/91-09/03/93	1	19	
CUVA0065	Yes	00065	STAGE, STREAM (FEET)	09/04/91-07/13/92	0	5	
CUVA0067	No	00065	STAGE, STREAM (FEET)	09/04/91-09/03/93	1	10	
CUVA0086	Yes	00065	STAGE, STREAM (FEET)	09/04/91-09/03/93	1	23	
CUVA0089	Yes	00065	STAGE, STREAM (FEET)	11/06/73-01/31/74	0	21	
CUVA0140	Yes	00065	STAGE, STREAM (FEET)	09/04/91-09/03/93	1	8	
CUVA0146	Yes	00065	STAGE, STREAM (FEET)	09/04/91-09/03/93	1	20	
CUVA0173	Yes	00065	STAGE, STREAM (FEET)	09/05/91-09/03/93	1	16	
CUVA0179	No	00065	STAGE, STREAM (FEET)	09/26/85-09/26/85	0	1	
CUVA0189	No	00065	STAGE, STREAM (FEET)	07/10/91-08/29/91	0	3	
CUVA0193	No	00065	STAGE, STREAM (FEET)	07/22/76-06/18/81	4	14	
CUVA0202	No	00065	STAGE, STREAM (FEET)	07/02/81-12/15/94	13	112	
CUVA0203	No	00065	STAGE, STREAM (FEET)	03/27/75-12/07/93	18	153	
CUVA0011	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/03/76-08/19/76	0	3	
CUVA0014	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/04/76-08/23/76	0	4	
CUVA0044	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/24/75-11/18/76	0	12	
CUVA0051	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/10/73-01/28/75	1	77	
CUVA0052	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/10/73-01/28/75	1	98	
CUVA0053	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/18/73-01/31/75	1	50	
CUVA0062	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/10/73-01/28/75	1	103	
CUVA0069	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/03/74-01/31/75	0	51	
CUVA0089	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/10/73-01/31/75	1	118	
CUVA0093	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/02/80-08/29/80	0	2	
CUVA0096	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/02/80-08/29/80	0	4	
CUVA0167	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/09/75-03/20/79	3	97	
CUVA0193	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/24/75-11/18/76	0	12	
CUVA0202	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/10/74-04/05/78	4	15	
CUVA0203	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/08/75-02/28/80	4	24	
CUVA0167	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/04/79-09/11/79	0	13	
CUVA0202	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/09/78-12/15/94	16	81	
CUVA0203	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/20/80-10/21/81	1	16	
CUVA0011	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/03/76-08/19/76	0	2	
CUVA0014	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/04/76-08/23/76	0	2	
CUVA0096	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/02/80-08/29/80	0	2	
CUVA0167	Yes	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/09/75-09/11/79	4	105	
CUVA0011	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/03/76-08/19/76	0	3	
CUVA0014	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/04/76-08/23/76	0	4	
CUVA0051	No	00080	COLOR (PLATINUM-COBALT UNITS)	12/10/73-01/28/75	1	77	
CUVA0052	No	00080	COLOR (PLATINUM-COBALT UNITS)	12/10/73-01/28/75	1	99	
CUVA0053	No	00080	COLOR (PLATINUM-COBALT UNITS)	12/18/73-01/31/75	1	50	
CUVA0062	No	00080	COLOR (PLATINUM-COBALT UNITS)	12/10/73-01/28/75	1	103	
CUVA0069	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/03/74-01/31/75	0	51	
CUVA0089	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	12/10/73-01/31/75	1	118	
CUVA0093	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/02/80-08/29/80	0	2	
CUVA0096	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/02/80-08/29/80	0	4	
CUVA0051	No	00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	12/10/73-01/28/75	1	77	
CUVA0052	No	00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	12/10/73-01/28/75	1	99	
CUVA0053	No	00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	12/18/73-01/31/75	1	49	
CUVA0062	No	00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	12/10/73-01/28/75	1	102	
CUVA0069	No	00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	07/12/74-01/31/75	0	50	
CUVA0089	Yes	00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	12/10/73-01/31/75	1	117	
CUVA0001	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/18/78-10/18/78	0	1	
CUVA0002	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/22/86-09/18/86	0	4	
CUVA0003	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/16/86	0	5	
CUVA0004	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM 25C)	04/24/86-11/04/86	0	8	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0005	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/17/86	0	4	
CUVA0006	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/16/86	0	5	
CUVA0007	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/18/91	5	11	
CUVA0008	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/24/86-08/14/86	0	6	
CUVA0009	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/16/86	0	5	
CUVA0012	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/24/86-08/14/86	0	6	
CUVA0013	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/16/86	0	5	
CUVA0015	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/17/86	0	5	
CUVA0016	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/17/86	0	5	
CUVA0017	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/17/86	0	5	
CUVA0019	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/17/86	0	5	
CUVA0021	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/16/86	0	5	
CUVA0022	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/22/86-09/18/86	0	4	
CUVA0023	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/16/86	0	5	
CUVA0035	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/17/86	0	5	
CUVA0037	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/22/86-09/18/86	0	4	
CUVA0039	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/17/86	0	5	
CUVA0040	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/18/91	5	11	
CUVA0041	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/21/86-12/08/86	0	2	
CUVA0042	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/22/86-09/18/86	0	4	
CUVA0043	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/22/86-09/18/86	0	4	
CUVA0044	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-09/18/86	10	27	
CUVA0046	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/17/86	0	5	
CUVA0048	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/17/88-08/17/88	0	1	
CUVA0051	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/22/86-09/18/91	5	10	
CUVA0052	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/84-09/24/91	7	18	
CUVA0053	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/84-07/02/91	6	35	
CUVA0057	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/11/91-09/24/91	0	6	
CUVA0061	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/84-09/24/84	0	5	
CUVA0062	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/84-09/10/87	3	11	
CUVA0069	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/21/84-09/24/91	7	9	
CUVA0074	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/01/88-08/15/91	2	2	
CUVA0077	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/03/91-09/03/91	0	1	
CUVA0080	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/01/88-09/01/88	0	1	
CUVA0081	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/03/91-09/03/91	0	1	
CUVA0083	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/84-09/24/91	7	15	
CUVA0089	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/84-09/24/91	7	14	
CUVA0098	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/84-08/15/91	7	5	
CUVA0099	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/84-09/10/87	3	8	
CUVA0100	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/84-09/13/84	0	4	
CUVA0101	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/84-09/13/84	0	4	
CUVA0106	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/84-09/13/84	0	4	
CUVA0108	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/84-09/13/84	0	4	
CUVA0122	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/84-09/10/87	3	8	
CUVA0126	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/08/84-07/24/91	6	4	
CUVA0127	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/08/84-04/09/93	8	5	
CUVA0128	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/11/91-09/24/91	0	6	
CUVA0133	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/08/84-09/05/84	0	3	
CUVA0135	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/84-08/29/91	7	7	
CUVA0136	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/24/91-07/24/91	0	1	
CUVA0137	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/19/73-07/24/91	17	6	
CUVA0139	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/08/84-09/05/84	0	3	
CUVA0141	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/84-09/10/87	3	8	
CUVA0144	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/08/84-09/05/84	0	3	
CUVA0145	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/08/84-09/05/84	0	3	
CUVA0148	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/03/87-11/03/87	0	1	
CUVA0155	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/22/88-09/22/88	0	1	
CUVA0156	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/22/88-09/22/88	0	1	
CUVA0162	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/84-10/29/87	3	8	
CUVA0166	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/84-08/29/91	7	7	
CUVA0170	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/28/85-03/28/85	0	1	
CUVA0171	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/28/85-03/28/85	0	1	
CUVA0172	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/14/78-08/29/91	12	9	
CUVA0174	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/28/85-03/28/85	0	1	
CUVA0176	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/84-10/02/84	0	4	
CUVA0177	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/28/85-03/28/85	0	1	
CUVA0178	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/28/85-03/28/85	0	1	
CUVA0179	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/84-09/26/85	1	5	
CUVA0180	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/31/84-10/31/84	0	1	
CUVA0181	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/84-09/26/85	1	5	
CUVA0182	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/10/91-08/29/91	0	3	
CUVA0183	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM 25C)	10/31/84-03/28/85	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0184	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/84-10/02/84	0	4	
CUVA0187	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/84-09/24/91	7	15	
CUVA0189	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/84-08/29/91	7	7	
CUVA0193	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/17/80	4	17	
CUVA0194	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/10/91-08/29/91	0	3	
CUVA0196	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/84-10/02/84	0	4	
CUVA0197	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/84-10/02/84	0	4	
CUVA0203	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	17	181	A
CUVA0205	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/18/85-04/18/85	0	1	
CUVA0207	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/18/85-04/18/85	0	1	
CUVA0209	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/15/87-10/29/87	0	4	
CUVA0214	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/29/77-09/12/91	13	17	
CUVA0215	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/23/84-09/26/84	0	5	
CUVA0217	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/24/91-09/24/91	0	3	
CUVA0218	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/09/91-09/09/91	0	1	
CUVA0223	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/12/91-09/12/91	0	1	
CUVA0224	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/23/84-09/24/91	7	11	
CUVA0225	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/15/87-10/29/87	0	3	
CUVA0226	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/15/87-09/24/91	4	11	
CUVA0002	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/22/86-09/18/86	0	5	
CUVA0004	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/24/86-11/04/86	0	8	
CUVA0008	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/24/86-11/04/86	0	8	
CUVA0010	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/08/65-12/19/73	8	38	
CUVA0011	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/03/76-08/19/76	0	18	
CUVA0012	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/24/86-11/04/86	0	8	
CUVA0014	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/04/76-08/23/76	0	14	
CUVA0018	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/08/65-12/19/73	8	36	
CUVA0020	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/08/65-06/29/77	11	41	
CUVA0022	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/22/86-09/18/86	0	5	
CUVA0034	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/24/79-03/09/80	0	3	
CUVA0037	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/22/86-09/18/86	0	5	
CUVA0041	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/86-12/08/86	0	3	
CUVA0042	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/22/86-09/18/86	0	5	
CUVA0043	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/22/86-09/18/86	0	5	
CUVA0044	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/73-09/18/86	13	25	
CUVA0045	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/18/73-06/29/77	3	8	
CUVA0047	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/91-07/13/92	0	2	
CUVA0049	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/23/79-03/08/80	0	3	
CUVA0050	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/03/64-11/24/64	0	4	
CUVA0051	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/22/86-08/14/91	5	6	
CUVA0052	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/84-09/10/87	3	12	
CUVA0053	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/75-07/02/91	16	37	
CUVA0054	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/91-07/13/92	0	2	
CUVA0058	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/91-07/13/92	0	2	
CUVA0061	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/84-09/24/84	0	5	
CUVA0062	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/31/73-09/10/87	13	18	
CUVA0063	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-09/02/93	28	116	S
CUVA0065	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/04/91-09/02/93	1	5	
CUVA0066	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/12/73-07/02/75	1	2	
CUVA0067	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/04/91-09/03/93	1	7	
CUVA0069	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/84-08/28/84	0	3	
CUVA0071	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	0	5	
CUVA0072	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/90-08/15/90	0	1	
CUVA0074	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/01/88-08/15/90	1	2	
CUVA0075	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/90-08/15/90	0	1	
CUVA0077	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/90-08/15/90	0	1	
CUVA0080	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/01/88-08/16/90	1	2	
CUVA0081	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/90-08/15/90	0	1	
CUVA0083	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/84-11/30/88	4	12	
CUVA0084	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/12/73-12/12/73	0	1	
CUVA0085	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/26/86-09/20/94	8	44	
CUVA0086	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/03/93	10	24	
CUVA0087	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/20/94	7	42	
CUVA0088	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/73-09/15/82	9	15	
CUVA0089	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/26/74-09/10/87	12	10	
CUVA0090	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/93-10/03/94	1	25	
CUVA0091	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/14/84-08/14/84	0	1	
CUVA0093	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/80-08/29/80	0	2	
CUVA0095	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/26/86-09/20/94	8	44	
CUVA0096	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/80-08/29/80	0	10	
CUVA0097	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	0	5	
CUVA0098	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM 25C)	12/12/73-09/18/84	10	5	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0099	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/84-09/10/87	3	8	
CUVA0100	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/84-09/13/84	0	4	
CUVA0101	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/84-09/13/84	0	4	
CUVA0102	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	0	5	
CUVA0103	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/84-09/20/94	9	46	
CUVA0104	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	0	5	
CUVA0105	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/84-09/20/94	9	46	
CUVA0106	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/84-09/13/84	0	4	
CUVA0107	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/09/93	6	37	
CUVA0108	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/84-09/13/84	0	4	
CUVA0109	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/84-09/20/94	9	46	
CUVA0110	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	0	5	
CUVA0111	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	0	5	
CUVA0112	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/84-09/20/94	9	46	
CUVA0113	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/84-09/19/94	9	44	
CUVA0114	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/84-09/19/94	9	43	
CUVA0115	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/27/94-06/29/94	0	3	
CUVA0116	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/05/94-09/20/94	0	3	
CUVA0117	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	0	5	
CUVA0118	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/30/93	6	36	
CUVA0119	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	0	5	
CUVA0120	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/93-01/05/94	0	20	
CUVA0121	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/23/93	11	17	
CUVA0122	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/84-09/10/87	3	8	
CUVA0123	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	0	5	
CUVA0124	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	0	5	
CUVA0125	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/84-09/19/94	9	46	
CUVA0126	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/84-07/24/91	6	4	
CUVA0127	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/84-07/24/91	6	4	
CUVA0130	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-10/03/94	7	45	
CUVA0131	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	0	5	
CUVA0132	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/16/85-07/19/94	9	43	
CUVA0133	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/84-09/05/84	0	3	
CUVA0134	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	0	5	
CUVA0135	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/84-07/31/91	7	6	
CUVA0136	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/91-07/24/91	0	1	
CUVA0137	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/73-07/24/91	17	17	
CUVA0138	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/02/86-10/03/94	8	47	
CUVA0139	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/84-09/05/84	0	3	
CUVA0140	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/05/91	8	6	
CUVA0141	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/84-09/10/87	3	8	
CUVA0142	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/23/90-04/23/90	0	1	
CUVA0143	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/75-08/21/75	0	1	
CUVA0144	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/75-09/05/84	9	4	
CUVA0145	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/84-09/05/84	0	3	
CUVA0146	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/03/93	10	24	
CUVA0147	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/19/94	7	42	
CUVA0149	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	0	5	
CUVA0150	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/12/73-12/12/73	0	1	
CUVA0151	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/16/85-09/19/94	9	44	
CUVA0152	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	0	5	
CUVA0153	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-10/03/94	7	70	
CUVA0154	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	0	5	
CUVA0155	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/22/88-09/22/88	0	1	
CUVA0156	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/22/88-09/22/88	0	1	
CUVA0158	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	0	5	
CUVA0159	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/02/86-10/03/94	8	47	
CUVA0160	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	0	5	
CUVA0161	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	0	5	
CUVA0162	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/84-10/29/87	3	8	
CUVA0163	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/19/94	7	42	
CUVA0164	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/02/86-10/03/94	8	47	
CUVA0165	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/91-07/31/91	0	2	
CUVA0166	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/84-10/02/84	0	4	
CUVA0167	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/09/75-09/15/82	7	115	
CUVA0170	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/85-03/28/85	0	1	
CUVA0171	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/85-03/28/85	0	1	
CUVA0172	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/84-09/26/85	1	5	
CUVA0173	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/05/91-09/05/91	0	6	
CUVA0174	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/85-04/14/88	3	2	
CUVA0176	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/84-10/02/84	0	4	
CUVA0177	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM 25C)	03/28/85-03/28/85	0	1	

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Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0178	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/85-03/28/85	0	1	
CUVA0179	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/84-07/31/91	7	7	
CUVA0181	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/84-09/26/85	1	5	
CUVA0182	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/73-03/27/75	1	7	
CUVA0183	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/85-03/28/85	0	1	
CUVA0184	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/84-10/02/84	0	4	
CUVA0187	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/84-10/29/87	3	9	
CUVA0189	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/84-09/04/84	0	3	
CUVA0192	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/07/65-09/15/82	17	54	
CUVA0196	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/84-10/02/84	0	4	
CUVA0197	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/84-10/02/84	0	4	
CUVA0198	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/07/65-07/28/77	11	41	
CUVA0202	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	30	373	T,A,S
CUVA0203	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/73-12/07/93	20	126	T
CUVA0204	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/04/81-09/30/87	5	2767	
CUVA0206	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/75-11/06/75	0	1	
CUVA0209	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/15/87-10/29/87	0	4	
CUVA0214	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/73-09/12/91	18	21	
CUVA0215	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/84-09/26/84	0	5	
CUVA0223	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/91-09/12/91	0	1	
CUVA0224	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/84-09/26/84	0	5	
CUVA0225	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/23/87-10/29/87	0	2	
CUVA0226	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/15/87-10/29/87	0	4	
CUVA0001	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/18/78-10/18/78	0	1	
CUVA0002	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/86-09/18/86	0	5	
CUVA0003	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/16/86	0	5	
CUVA0004	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/24/86-11/04/86	0	8	
CUVA0005	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/17/86	0	5	
CUVA0006	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/16/86	0	5	
CUVA0007	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/18/91	5	11	
CUVA0008	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/24/86-08/14/86	0	6	
CUVA0009	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/16/86	0	4	
CUVA0012	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/24/86-11/04/86	0	8	
CUVA0013	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/16/86	0	5	
CUVA0015	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/17/86	0	5	
CUVA0016	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/17/86	0	5	
CUVA0017	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/17/86	0	5	
CUVA0019	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/17/86	0	5	
CUVA0021	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/16/86	0	5	
CUVA0022	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/86-09/18/86	0	5	
CUVA0023	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/16/86	0	5	
CUVA0035	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/17/86	0	5	
CUVA0037	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/86-09/18/86	0	5	
CUVA0039	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/17/86	0	5	
CUVA0040	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/18/91	5	11	
CUVA0041	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/21/86-12/08/86	0	3	
CUVA0042	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/86-09/18/86	0	5	
CUVA0043	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/86-09/18/86	0	5	
CUVA0044	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/08/73-09/18/86	13	56	
CUVA0046	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/17/86	0	5	
CUVA0048	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/17/88-08/17/88	0	1	
CUVA0051	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/18/91	24	310	T,S
CUVA0052	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/24/91	24	342	T,S
CUVA0053	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/14/73-07/02/91	17	87	
CUVA0057	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/11/91-09/24/91	0	6	
CUVA0061	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/84-09/24/84	0	5	
CUVA0062	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/31/73-09/10/87	13	127	
CUVA0064	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/04/78-05/04/78	0	1	
CUVA0066	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/02/75-07/02/75	0	1	
CUVA0069	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/03/74-09/24/91	17	59	
CUVA0074	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/04/78-08/15/91	13	3	
CUVA0077	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/04/78-09/03/91	13	2	
CUVA0080	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/01/88-09/01/88	0	1	
CUVA0081	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/04/78-09/03/91	13	2	
CUVA0083	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/84-09/24/91	7	15	
CUVA0084	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/12/73-12/12/73	0	1	
CUVA0089	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/10/73-09/24/91	17	139	
CUVA0091	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/14/84-08/14/84	0	1	
CUVA0098	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/12/73-08/15/91	17	6	
CUVA0099	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/84-09/10/87	3	8	
CUVA0100	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/02/84-09/13/84	0	4	
CUVA0101	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/02/84-09/13/84	0	4	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0106	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/02/84-09/13/84	0	4	
CUVA0108	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/02/84-09/13/84	0	4	
CUVA0122	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/84-09/10/87	3	8	
CUVA0126	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/25/84-07/24/91	6	5	
CUVA0127	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/25/84-04/09/93	8	7	
CUVA0128	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/11/91-09/24/91	0	6	
CUVA0133	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/84-09/05/84	0	5	
CUVA0135	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/04/76-08/29/91	15	8	
CUVA0136	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/25/84-07/24/91	6	2	
CUVA0137	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/08/73-07/24/91	17	18	
CUVA0139	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/08/84-09/05/84	0	3	
CUVA0141	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/02/84-09/10/87	3	8	
CUVA0142	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/84-07/24/84	0	1	
CUVA0143	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/21/75-08/21/75	0	1	
CUVA0144	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/21/75-09/05/84	9	5	
CUVA0145	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/84-09/05/84	0	5	
CUVA0148	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/03/87-11/03/87	0	1	
CUVA0150	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/12/73-12/12/73	0	1	
CUVA0155	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/28/82-09/22/88	5	2	
CUVA0156	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/28/82-09/22/88	5	2	
CUVA0162	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/02/84-10/29/87	3	8	
CUVA0166	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/26/84-08/29/91	7	7	
CUVA0169	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/11/83-01/11/83	0	1	
CUVA0170	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/28/85-03/28/85	0	1	
CUVA0171	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/28/85-03/28/85	0	1	
CUVA0172	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/14/78-08/29/91	12	9	
CUVA0174	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/28/85-04/14/88	3	2	
CUVA0176	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/26/84-10/02/84	0	4	
CUVA0177	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/28/85-03/28/85	0	1	
CUVA0178	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/28/85-03/28/85	0	1	
CUVA0179	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/26/84-09/26/85	1	5	
CUVA0180	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/31/84-10/31/84	0	1	
CUVA0181	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/26/84-09/26/85	1	5	
CUVA0182	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/28/73-08/29/91	18	11	
CUVA0183	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/31/84-10/31/84	0	1	
CUVA0184	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/26/84-10/02/84	0	4	
CUVA0187	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/02/84-09/24/91	7	15	
CUVA0189	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/26/84-08/29/91	7	7	
CUVA0191	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/04/76-08/04/76	0	1	
CUVA0193	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/24/75-06/18/81	5	30	
CUVA0194	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/10/91-08/29/91	0	3	
CUVA0196	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/26/84-10/02/84	0	4	
CUVA0197	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/26/84-10/02/84	0	4	
CUVA0203	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	20	247	T,A
CUVA0205	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/18/85-04/18/85	0	1	
CUVA0207	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/18/85-04/18/85	0	1	
CUVA0209	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/15/87-10/29/87	0	4	
CUVA0214	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/07/73-09/12/91	18	36	
CUVA0215	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/23/84-09/26/84	0	5	
CUVA0217	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/91-09/24/91	0	3	
CUVA0218	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/91-09/09/91	0	1	
CUVA0223	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/12/91-09/12/91	0	1	
CUVA0224	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/23/84-09/24/91	7	11	
CUVA0225	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/15/87-10/29/87	0	3	
CUVA0226	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/15/87-09/24/91	4	11	
CUVA0011	No	00300	OXYGEN, DISSOLVED MG/L	05/03/76-08/19/76	0	18	
CUVA0014	No	00300	OXYGEN, DISSOLVED MG/L	05/04/76-08/23/76	0	14	
CUVA0020	No	00300	OXYGEN, DISSOLVED MG/L	09/10/74-06/29/77	2	7	
CUVA0045	No	00300	OXYGEN, DISSOLVED MG/L	09/10/74-06/29/77	2	6	
CUVA0050	No	00300	OXYGEN, DISSOLVED MG/L	09/24/64-11/24/64	0	7	
CUVA0063	No	00300	OXYGEN, DISSOLVED MG/L	09/21/64-06/29/77	12	9	
CUVA0071	No	00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	0	5	
CUVA0085	Yes	00300	OXYGEN, DISSOLVED MG/L	03/26/86-09/20/94	8	42	
CUVA0086	Yes	00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	0	5	
CUVA0087	Yes	00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/20/94	7	40	
CUVA0088	Yes	00300	OXYGEN, DISSOLVED MG/L	09/10/74-09/15/82	8	12	
CUVA0090	Yes	00300	OXYGEN, DISSOLVED MG/L	01/28/93-10/03/94	1	25	
CUVA0093	No	00300	OXYGEN, DISSOLVED MG/L	06/02/80-08/29/80	0	2	
CUVA0095	Yes	00300	OXYGEN, DISSOLVED MG/L	03/26/86-09/20/94	8	41	
CUVA0096	No	00300	OXYGEN, DISSOLVED MG/L	06/02/80-08/29/80	0	10	
CUVA0097	Yes	00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	0	5	
CUVA0102	Yes	00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	0	5	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0103	Yes	00300	OXYGEN, DISSOLVED MG/L	11/01/84-09/20/94	9	45	
CUVA0104	Yes	00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	0	5	
CUVA0105	Yes	00300	OXYGEN, DISSOLVED MG/L	11/01/84-09/20/94	9	45	
CUVA0107	Yes	00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/09/93	6	35	
CUVA0109	Yes	00300	OXYGEN, DISSOLVED MG/L	11/01/84-09/20/94	9	45	
CUVA0110	Yes	00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	0	5	
CUVA0111	Yes	00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	0	5	
CUVA0112	Yes	00300	OXYGEN, DISSOLVED MG/L	11/06/84-09/20/94	9	45	
CUVA0113	Yes	00300	OXYGEN, DISSOLVED MG/L	11/06/84-09/19/94	9	42	
CUVA0114	Yes	00300	OXYGEN, DISSOLVED MG/L	11/06/84-09/19/94	9	42	
CUVA0115	Yes	00300	OXYGEN, DISSOLVED MG/L	06/27/94-06/29/94	0	3	
CUVA0116	Yes	00300	OXYGEN, DISSOLVED MG/L	05/05/94-09/20/94	0	3	
CUVA0117	Yes	00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	0	5	
CUVA0118	No	00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/30/93	6	35	
CUVA0119	Yes	00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	0	5	
CUVA0120	No	00300	OXYGEN, DISSOLVED MG/L	01/28/93-01/05/94	0	20	
CUVA0121	No	00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/23/93	11	12	
CUVA0123	No	00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	0	5	
CUVA0124	No	00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	0	5	
CUVA0125	Yes	00300	OXYGEN, DISSOLVED MG/L	11/06/84-09/19/94	9	44	
CUVA0130	Yes	00300	OXYGEN, DISSOLVED MG/L	01/14/87-10/03/94	7	42	
CUVA0131	Yes	00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	0	5	
CUVA0132	Yes	00300	OXYGEN, DISSOLVED MG/L	07/16/85-07/19/94	9	41	
CUVA0134	Yes	00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	0	5	
CUVA0138	Yes	00300	OXYGEN, DISSOLVED MG/L	04/02/86-10/03/94	8	44	
CUVA0140	Yes	00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/14/82	0	1	
CUVA0146	Yes	00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	0	4	
CUVA0147	Yes	00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/19/94	7	41	
CUVA0149	Yes	00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	0	5	
CUVA0151	Yes	00300	OXYGEN, DISSOLVED MG/L	04/16/85-09/19/94	9	41	
CUVA0152	Yes	00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	0	5	
CUVA0153	Yes	00300	OXYGEN, DISSOLVED MG/L	01/14/87-10/03/94	7	69	
CUVA0154	No	00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	0	5	
CUVA0158	Yes	00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	0	5	
CUVA0159	Yes	00300	OXYGEN, DISSOLVED MG/L	04/02/86-10/03/94	8	45	
CUVA0160	No	00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	0	5	
CUVA0161	Yes	00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	0	5	
CUVA0163	Yes	00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/19/94	7	40	
CUVA0164	Yes	00300	OXYGEN, DISSOLVED MG/L	04/02/86-10/03/94	8	45	
CUVA0167	Yes	00300	OXYGEN, DISSOLVED MG/L	07/09/75-09/15/82	7	115	
CUVA0190	No	00300	OXYGEN, DISSOLVED MG/L	01/14/75-01/15/75	0	12	
CUVA0192	No	00300	OXYGEN, DISSOLVED MG/L	08/14/74-09/15/82	8	12	
CUVA0198	Yes	00300	OXYGEN, DISSOLVED MG/L	08/22/74-07/28/77	2	7	
CUVA0202	No	00300	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	30	212	T,A,S
CUVA0011	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	05/03/76-08/19/76	0	18	
CUVA0014	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	05/04/76-08/23/76	0	14	
CUVA0020	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/10/74-06/29/77	2	7	
CUVA0045	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/10/74-06/29/77	2	6	
CUVA0050	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/24/64-11/24/64	0	7	
CUVA0063	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/21/64-06/29/77	12	9	
CUVA0071	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	0	5	
CUVA0086	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	0	5	
CUVA0088	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/10/74-09/15/82	8	12	
CUVA0096	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	06/02/80-08/29/80	0	10	
CUVA0097	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	0	5	
CUVA0102	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	0	5	
CUVA0104	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	0	5	
CUVA0110	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	0	5	
CUVA0111	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	0	5	
CUVA0117	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	0	5	
CUVA0119	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	0	5	
CUVA0121	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	0	5	
CUVA0123	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	0	5	
CUVA0124	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	0	5	
CUVA0131	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	0	5	
CUVA0134	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	0	5	
CUVA0140	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/14/82	0	1	
CUVA0146	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	0	4	
CUVA0149	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	0	5	
CUVA0152	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	0	5	
CUVA0154	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	0	5	
CUVA0158	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	0	5	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0160	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	0	5	
CUVA0161	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	0	5	
CUVA0167	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/09/75-09/15/82	7	115	
CUVA0192	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/14/74-09/15/82	8	12	
CUVA0198	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/22/74-07/28/77	2	7	
CUVA0202	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/21/64-09/15/82	17	75	
CUVA0004	No	00310	BOD, 5 DAY, 20 DEG C MG/L	04/24/86-11/04/86	0	4	
CUVA0008	No	00310	BOD, 5 DAY, 20 DEG C MG/L	04/24/86-11/04/86	0	4	
CUVA0011	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/03/76-08/19/76	0	3	
CUVA0012	No	00310	BOD, 5 DAY, 20 DEG C MG/L	04/24/86-11/04/86	0	4	
CUVA0014	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/04/76-08/23/76	0	4	
CUVA0020	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/20/75-06/29/77	1	5	
CUVA0041	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/21/86-08/27/86	0	2	
CUVA0044	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/22/73-09/24/84	11	38	
CUVA0045	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/22/75-06/29/77	1	5	
CUVA0048	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/17/88-08/17/88	0	1	
CUVA0050	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/24/64-11/24/64	0	8	
CUVA0051	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-01/28/75	7	297	
CUVA0052	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-09/24/84	17	326	
CUVA0053	No	00310	BOD, 5 DAY, 20 DEG C MG/L	12/14/73-08/21/75	1	53	
CUVA0062	No	00310	BOD, 5 DAY, 20 DEG C MG/L	12/10/73-09/10/87	13	114	
CUVA0063	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/28/75-06/29/77	1	5	
CUVA0064	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/04/78-05/04/78	0	1	
CUVA0066	No	00310	BOD, 5 DAY, 20 DEG C MG/L	12/12/73-07/02/75	1	2	
CUVA0069	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/03/74-08/28/84	10	54	
CUVA0074	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/04/78-05/04/78	0	1	
CUVA0077	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/04/78-05/04/78	0	1	
CUVA0081	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/04/78-05/04/78	0	1	
CUVA0083	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/30/84-11/30/88	4	12	
CUVA0084	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	12/12/73-12/12/73	0	1	
CUVA0085	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	03/26/86-07/14/93	7	11	
CUVA0087	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	05/28/87-07/14/93	6	7	
CUVA0088	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	07/28/75-06/29/77	1	5	
CUVA0089	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	12/10/73-09/24/84	10	123	
CUVA0090	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	04/15/93-01/05/94	0	5	
CUVA0091	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/14/84-09/19/84	0	2	
CUVA0092	No	00310	BOD, 5 DAY, 20 DEG C MG/L	11/17/81-11/17/81	0	1	
CUVA0095	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	03/26/86-07/28/93	7	12	
CUVA0096	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/02/80-08/29/80	0	4	
CUVA0098	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	12/12/73-12/12/73	0	1	
CUVA0099	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	07/30/84-09/24/84	0	5	
CUVA0100	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/02/84-09/19/84	0	5	
CUVA0101	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/02/84-09/19/84	0	5	
CUVA0103	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	04/09/85-07/22/93	8	11	
CUVA0105	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	04/09/85-07/22/93	8	10	
CUVA0106	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/02/84-09/13/84	0	4	
CUVA0107	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	05/28/87-07/14/93	6	6	
CUVA0108	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/02/84-09/13/84	0	4	
CUVA0109	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	02/05/85-07/22/93	8	11	
CUVA0112	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	04/02/85-07/22/93	8	9	
CUVA0113	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	04/02/85-07/14/93	8	9	
CUVA0114	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	02/05/85-07/29/92	7	8	
CUVA0118	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/18/87-07/28/93	6	8	
CUVA0120	No	00310	BOD, 5 DAY, 20 DEG C MG/L	04/15/93-01/05/94	0	6	
CUVA0125	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	02/05/85-07/14/93	8	12	
CUVA0126	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/25/84-09/05/84	0	5	
CUVA0127	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/25/84-09/05/84	0	4	
CUVA0130	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	05/27/87-07/28/93	6	8	
CUVA0132	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	03/26/86-07/21/93	7	10	
CUVA0133	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	07/24/84-09/05/84	0	5	
CUVA0135	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/04/76-08/04/76	0	1	
CUVA0136	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/25/84-07/25/84	0	1	
CUVA0137	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	08/22/73-09/05/84	11	15	
CUVA0138	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	04/02/86-07/22/93	7	12	
CUVA0139	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	08/08/84-09/05/84	0	3	
CUVA0141	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	08/02/84-08/02/84	0	1	
CUVA0142	No	00310	BOD, 5 DAY, 20 DEG C MG/L	04/23/90-04/23/90	0	1	
CUVA0143	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/21/75-08/21/75	0	1	
CUVA0144	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/21/75-09/05/84	9	5	
CUVA0145	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/24/84-09/05/84	0	5	
CUVA0147	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	04/15/87-07/28/93	6	11	
CUVA0148	No	00310	BOD, 5 DAY, 20 DEG C MG/L	11/03/87-11/03/87	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0150	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	12/12/73-12/12/73	0	1	
CUVA0151	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	04/02/86-07/28/93	7	12	
CUVA0153	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	04/15/87-01/05/94	6	15	
CUVA0155	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/22/88-09/22/88	0	1	
CUVA0156	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/22/88-09/22/88	0	1	
CUVA0159	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	04/02/86-07/28/93	7	11	
CUVA0162	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	08/02/84-09/26/84	0	5	
CUVA0163	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	04/15/87-07/14/93	6	9	
CUVA0164	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	04/02/86-07/28/93	7	13	
CUVA0165	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/31/91-07/31/91	0	1	
CUVA0174	No	00310	BOD, 5 DAY, 20 DEG C MG/L	04/14/88-04/14/88	0	1	
CUVA0179	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/30/91-07/31/91	0	2	
CUVA0182	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/28/73-10/17/73	0	7	
CUVA0187	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	08/02/84-09/26/84	0	5	
CUVA0189	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/26/84-08/01/91	7	6	
CUVA0190	No	00310	BOD, 5 DAY, 20 DEG C MG/L	01/14/75-01/14/75	0	1	
CUVA0192	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/75-07/28/77	1	5	
CUVA0193	No	00310	BOD, 5 DAY, 20 DEG C MG/L	12/24/75-09/29/77	1	20	
CUVA0195	No	00310	BOD, 5 DAY, 20 DEG C MG/L	01/14/75-01/14/75	0	1	
CUVA0196	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/08/84-10/02/84	0	3	
CUVA0198	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/75-07/28/77	1	5	
CUVA0202	No	00310	BOD, 5 DAY, 20 DEG C MG/L	02/06/74-02/06/74	0	1	
CUVA0203	No	00310	BOD, 5 DAY, 20 DEG C MG/L	04/09/73-07/18/88	15	70	
CUVA0214	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/28/73-03/28/79	5	20	
CUVA0215	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	07/23/84-09/26/84	0	5	
CUVA0223	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/12/91-09/12/91	0	1	
CUVA0224	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/23/84-09/26/84	0	5	
CUVA0225	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/15/87-09/15/87	0	1	
CUVA0226	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/15/87-09/15/87	0	1	
CUVA0071	No	00320	BOD, ULTIMATE 1ST STAGE, 20 DEG C MG/L	09/14/82-09/15/82	0	5	
CUVA0086	Yes	00320	BOD, ULTIMATE 1ST STAGE, 20 DEG C MG/L	09/14/82-09/15/82	0	3	
CUVA0088	Yes	00320	BOD, ULTIMATE 1ST STAGE, 20 DEG C MG/L	09/14/82-09/15/82	0	5	
CUVA0121	No	00320	BOD, ULTIMATE 1ST STAGE, 20 DEG C MG/L	09/14/82-09/15/82	0	5	
CUVA0146	Yes	00320	BOD, ULTIMATE 1ST STAGE, 20 DEG C MG/L	09/14/82-09/15/82	0	4	
CUVA0149	Yes	00320	BOD, ULTIMATE 1ST STAGE, 20 DEG C MG/L	09/14/82-09/15/82	0	5	
CUVA0161	Yes	00320	BOD, ULTIMATE 1ST STAGE, 20 DEG C MG/L	09/14/82-09/15/82	0	5	
CUVA0202	No	00320	BOD, ULTIMATE 1ST STAGE, 20 DEG C MG/L	09/14/82-09/15/82	0	5	
CUVA0091	No	00324	BOD, 20 DAY, 20 DEG C MG/L	09/19/84-09/19/84	0	1	
CUVA0100	No	00324	BOD, 20 DAY, 20 DEG C MG/L	08/14/84-09/19/84	0	4	
CUVA0101	No	00324	BOD, 20 DAY, 20 DEG C MG/L	09/19/84-09/19/84	0	1	
CUVA0108	No	00324	BOD, 20 DAY, 20 DEG C MG/L	08/02/84-09/13/84	0	4	
CUVA0126	No	00324	BOD, 20 DAY, 20 DEG C MG/L	07/25/84-09/05/84	0	5	
CUVA0127	No	00324	BOD, 20 DAY, 20 DEG C MG/L	07/25/84-07/25/84	0	1	
CUVA0133	Yes	00324	BOD, 20 DAY, 20 DEG C MG/L	07/24/84-07/24/84	0	1	
CUVA0137	Yes	00324	BOD, 20 DAY, 20 DEG C MG/L	07/25/84-09/05/84	0	4	
CUVA0139	Yes	00324	BOD, 20 DAY, 20 DEG C MG/L	08/08/84-09/05/84	0	3	
CUVA0145	No	00324	BOD, 20 DAY, 20 DEG C MG/L	07/24/84-09/05/84	0	5	
CUVA0162	Yes	00324	BOD, 20 DAY, 20 DEG C MG/L	08/02/84-09/26/84	0	5	
CUVA0187	Yes	00324	BOD, 20 DAY, 20 DEG C MG/L	08/02/84-09/26/84	0	5	
CUVA0215	Yes	00324	BOD, 20 DAY, 20 DEG C MG/L	07/23/84-09/26/84	0	5	
CUVA0224	No	00324	BOD, 20 DAY, 20 DEG C MG/L	07/23/84-09/26/84	0	5	
CUVA0001	No	00335	COD, .025N K2CR2O7 MG/L	10/18/78-10/18/78	0	1	
CUVA0002	No	00335	COD, .025N K2CR2O7 MG/L	07/22/86-09/18/86	0	4	
CUVA0003	No	00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/16/86	0	5	
CUVA0004	No	00335	COD, .025N K2CR2O7 MG/L	08/14/86-08/14/86	0	2	
CUVA0005	No	00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/17/86	0	5	
CUVA0006	No	00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/16/86	0	5	
CUVA0007	No	00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/18/91	5	11	
CUVA0008	No	00335	COD, .025N K2CR2O7 MG/L	08/14/86-08/14/86	0	2	
CUVA0009	No	00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/16/86	0	5	
CUVA0012	No	00335	COD, .025N K2CR2O7 MG/L	08/14/86-08/14/86	0	2	
CUVA0013	No	00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/16/86	0	4	
CUVA0015	No	00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/17/86	0	5	
CUVA0016	No	00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/17/86	0	5	
CUVA0017	No	00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/17/86	0	5	
CUVA0019	No	00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/17/86	0	5	
CUVA0021	No	00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/16/86	0	5	
CUVA0022	No	00335	COD, .025N K2CR2O7 MG/L	07/22/86-09/18/86	0	4	
CUVA0023	No	00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/16/86	0	5	
CUVA0024	No	00335	COD, .025N K2CR2O7 MG/L	04/12/72-04/12/72	0	1	
CUVA0025	No	00335	COD, .025N K2CR2O7 MG/L	04/12/72-04/12/72	0	1	
CUVA0026	No	00335	COD, .025N K2CR2O7 MG/L	04/12/72-04/12/72	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0027	No	00335	COD, .025N K2CR2O7 MG/L	04/12/72-04/12/72	0	1	
CUVA0028	No	00335	COD, .025N K2CR2O7 MG/L	04/12/72-04/12/72	0	1	
CUVA0029	No	00335	COD, .025N K2CR2O7 MG/L	04/12/72-04/12/72	0	1	
CUVA0030	No	00335	COD, .025N K2CR2O7 MG/L	04/12/72-04/12/72	0	1	
CUVA0031	No	00335	COD, .025N K2CR2O7 MG/L	04/12/72-04/12/72	0	1	
CUVA0032	No	00335	COD, .025N K2CR2O7 MG/L	04/12/72-04/12/72	0	1	
CUVA0033	No	00335	COD, .025N K2CR2O7 MG/L	04/12/72-04/12/72	0	1	
CUVA0035	No	00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/17/86	0	5	
CUVA0036	No	00335	COD, .025N K2CR2O7 MG/L	04/12/72-04/12/72	0	1	
CUVA0037	No	00335	COD, .025N K2CR2O7 MG/L	07/22/86-09/18/86	0	4	
CUVA0039	No	00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/17/86	0	5	
CUVA0040	No	00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/18/91	5	11	
CUVA0041	No	00335	COD, .025N K2CR2O7 MG/L	08/21/86-12/08/86	0	2	
CUVA0042	No	00335	COD, .025N K2CR2O7 MG/L	07/22/86-09/18/86	0	4	
CUVA0043	No	00335	COD, .025N K2CR2O7 MG/L	07/22/86-09/18/86	0	5	
CUVA0044	No	00335	COD, .025N K2CR2O7 MG/L	08/08/73-09/18/86	13	56	
CUVA0046	No	00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/17/86	0	5	
CUVA0048	No	00335	COD, .025N K2CR2O7 MG/L	08/17/88-08/17/88	0	1	
CUVA0051	No	00335	COD, .025N K2CR2O7 MG/L	12/10/73-09/18/91	17	84	
CUVA0052	No	00335	COD, .025N K2CR2O7 MG/L	12/10/73-09/24/91	17	113	
CUVA0053	No	00335	COD, .025N K2CR2O7 MG/L	12/18/73-09/10/87	13	54	
CUVA0057	No	00335	COD, .025N K2CR2O7 MG/L	07/11/91-09/24/91	0	6	
CUVA0062	No	00335	COD, .025N K2CR2O7 MG/L	10/31/73-09/10/87	13	115	
CUVA0066	No	00335	COD, .025N K2CR2O7 MG/L	12/12/73-07/02/75	1	2	
CUVA0069	No	00335	COD, .025N K2CR2O7 MG/L	07/16/74-09/24/91	17	58	
CUVA0073	No	00335	COD, .025N K2CR2O7 MG/L	09/24/91-09/24/91	0	1	
CUVA0074	No	00335	COD, .025N K2CR2O7 MG/L	09/24/91-09/24/91	0	1	
CUVA0075	No	00335	COD, .025N K2CR2O7 MG/L	09/24/91-09/24/91	0	1	
CUVA0077	No	00335	COD, .025N K2CR2O7 MG/L	09/24/91-09/24/91	0	1	
CUVA0080	No	00335	COD, .025N K2CR2O7 MG/L	09/24/91-09/24/91	0	1	
CUVA0081	No	00335	COD, .025N K2CR2O7 MG/L	09/24/91-09/24/91	0	1	
CUVA0083	No	00335	COD, .025N K2CR2O7 MG/L	07/30/84-09/24/91	7	15	
CUVA0084	Yes	00335	COD, .025N K2CR2O7 MG/L	12/12/73-12/12/73	0	1	
CUVA0089	Yes	00335	COD, .025N K2CR2O7 MG/L	12/10/73-09/24/91	17	123	
CUVA0091	No	00335	COD, .025N K2CR2O7 MG/L	09/19/84-09/19/84	0	1	
CUVA0098	Yes	00335	COD, .025N K2CR2O7 MG/L	12/12/73-12/12/73	0	1	
CUVA0099	Yes	00335	COD, .025N K2CR2O7 MG/L	06/24/87-09/10/87	0	3	
CUVA0100	No	00335	COD, .025N K2CR2O7 MG/L	08/02/84-09/19/84	0	2	
CUVA0101	No	00335	COD, .025N K2CR2O7 MG/L	08/02/84-09/19/84	0	2	
CUVA0106	No	00335	COD, .025N K2CR2O7 MG/L	08/02/84-08/02/84	0	1	
CUVA0108	No	00335	COD, .025N K2CR2O7 MG/L	08/02/84-08/02/84	0	1	
CUVA0122	No	00335	COD, .025N K2CR2O7 MG/L	06/24/87-09/10/87	0	3	
CUVA0128	Yes	00335	COD, .025N K2CR2O7 MG/L	07/11/91-09/24/91	0	6	
CUVA0133	Yes	00335	COD, .025N K2CR2O7 MG/L	07/25/84-07/25/84	0	1	
CUVA0135	No	00335	COD, .025N K2CR2O7 MG/L	08/04/76-08/29/91	15	10	
CUVA0137	Yes	00335	COD, .025N K2CR2O7 MG/L	08/08/73-07/25/84	10	14	
CUVA0141	Yes	00335	COD, .025N K2CR2O7 MG/L	06/24/87-09/10/87	0	3	
CUVA0142	No	00335	COD, .025N K2CR2O7 MG/L	04/23/90-04/23/90	0	1	
CUVA0144	No	00335	COD, .025N K2CR2O7 MG/L	07/25/84-07/25/84	0	1	
CUVA0145	No	00335	COD, .025N K2CR2O7 MG/L	07/25/84-07/25/84	0	1	
CUVA0148	No	00335	COD, .025N K2CR2O7 MG/L	11/03/87-11/03/87	0	1	
CUVA0150	Yes	00335	COD, .025N K2CR2O7 MG/L	12/12/73-12/12/73	0	1	
CUVA0155	No	00335	COD, .025N K2CR2O7 MG/L	10/28/82-09/22/88	5	2	
CUVA0156	No	00335	COD, .025N K2CR2O7 MG/L	10/28/82-09/22/88	5	2	
CUVA0162	Yes	00335	COD, .025N K2CR2O7 MG/L	08/02/84-10/29/87	3	8	
CUVA0165	No	00335	COD, .025N K2CR2O7 MG/L	07/30/91-07/31/91	0	2	
CUVA0166	Yes	00335	COD, .025N K2CR2O7 MG/L	07/26/84-08/29/91	7	9	
CUVA0167	Yes	00335	COD, .025N K2CR2O7 MG/L	07/09/75-11/28/78	3	88	
CUVA0169	No	00335	COD, .025N K2CR2O7 MG/L	01/11/83-01/11/83	0	1	
CUVA0170	Yes	00335	COD, .025N K2CR2O7 MG/L	03/28/85-03/28/85	0	1	
CUVA0171	No	00335	COD, .025N K2CR2O7 MG/L	03/28/85-04/16/86	1	2	
CUVA0172	Yes	00335	COD, .025N K2CR2O7 MG/L	12/14/78-08/29/91	12	6	
CUVA0174	No	00335	COD, .025N K2CR2O7 MG/L	03/28/85-04/14/88	3	2	
CUVA0177	Yes	00335	COD, .025N K2CR2O7 MG/L	03/28/85-03/28/85	0	1	
CUVA0178	No	00335	COD, .025N K2CR2O7 MG/L	03/28/85-03/28/85	0	1	
CUVA0179	No	00335	COD, .025N K2CR2O7 MG/L	07/26/84-07/31/91	7	7	
CUVA0180	No	00335	COD, .025N K2CR2O7 MG/L	10/31/84-10/31/84	0	1	
CUVA0181	Yes	00335	COD, .025N K2CR2O7 MG/L	07/26/84-09/26/85	1	5	
CUVA0182	No	00335	COD, .025N K2CR2O7 MG/L	08/28/73-08/29/91	18	10	
CUVA0183	No	00335	COD, .025N K2CR2O7 MG/L	10/31/84-03/28/85	0	2	
CUVA0187	Yes	00335	COD, .025N K2CR2O7 MG/L	07/15/87-09/24/91	4	10	
CUVA0188	No	00335	COD, .025N K2CR2O7 MG/L	07/31/91-07/31/91	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0189	No	00335	COD, .025N K2CR2O7 MG/L	07/10/91-08/29/91	0	3	
CUVA0191	No	00335	COD, .025N K2CR2O7 MG/L	08/04/76-08/04/76	0	1	
CUVA0193	No	00335	COD, .025N K2CR2O7 MG/L	12/24/75-06/18/81	5	31	
CUVA0194	No	00335	COD, .025N K2CR2O7 MG/L	08/04/76-08/29/91	15	4	
CUVA0196	No	00335	COD, .025N K2CR2O7 MG/L	08/08/84-08/08/84	0	1	
CUVA0197	No	00335	COD, .025N K2CR2O7 MG/L	08/08/84-08/08/84	0	1	
CUVA0202	No	00335	COD, .025N K2CR2O7 MG/L	04/05/78-04/05/78	0	1	
CUVA0203	No	00335	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	19	235	A
CUVA0205	No	00335	COD, .025N K2CR2O7 MG/L	04/18/85-04/18/85	0	1	
CUVA0207	No	00335	COD, .025N K2CR2O7 MG/L	04/18/85-04/18/85	0	1	
CUVA0209	No	00335	COD, .025N K2CR2O7 MG/L	07/15/87-10/29/87	0	4	
CUVA0212	No	00335	COD, .025N K2CR2O7 MG/L	05/31/90-08/22/90	0	8	
CUVA0214	No	00335	COD, .025N K2CR2O7 MG/L	08/28/73-09/12/91	18	46	
CUVA0217	No	00335	COD, .025N K2CR2O7 MG/L	07/24/91-09/24/91	0	3	
CUVA0218	No	00335	COD, .025N K2CR2O7 MG/L	09/09/91-09/09/91	0	1	
CUVA0219	No	00335	COD, .025N K2CR2O7 MG/L	08/27/90-09/26/90	0	4	
CUVA0221	No	00335	COD, .025N K2CR2O7 MG/L	08/21/90-09/26/90	0	5	
CUVA0222	No	00335	COD, .025N K2CR2O7 MG/L	08/28/90-09/26/90	0	4	
CUVA0223	No	00335	COD, .025N K2CR2O7 MG/L	09/12/91-09/12/91	0	1	
CUVA0224	No	00335	COD, .025N K2CR2O7 MG/L	05/31/90-09/24/91	1	18	
CUVA0225	No	00335	COD, .025N K2CR2O7 MG/L	09/23/87-10/29/87	0	2	
CUVA0226	No	00335	COD, .025N K2CR2O7 MG/L	07/15/87-09/24/91	4	16	
CUVA0227	No	00335	COD, .025N K2CR2O7 MG/L	09/25/69-09/25/69	0	1	
CUVA0228	No	00335	COD, .025N K2CR2O7 MG/L	09/16/69-09/22/69	0	4	
CUVA0011	No	00340	COD, .25N K2CR2O7 MG/L	05/03/76-08/19/76	0	3	
CUVA0014	No	00340	COD, .25N K2CR2O7 MG/L	05/04/76-08/23/76	0	4	
CUVA0050	No	00340	COD, .25N K2CR2O7 MG/L	11/03/64-11/24/64	0	4	
CUVA0096	No	00340	COD, .25N K2CR2O7 MG/L	06/02/80-08/29/80	0	4	
CUVA0167	Yes	00340	COD, .25N K2CR2O7 MG/L	10/17/78-09/11/79	0	22	
CUVA0190	No	00340	COD, .25N K2CR2O7 MG/L	01/14/75-01/14/75	0	1	
CUVA0195	No	00340	COD, .25N K2CR2O7 MG/L	01/14/75-01/14/75	0	1	
CUVA0202	No	00340	COD, .25N K2CR2O7 MG/L	08/09/78-03/02/82	3	28	
CUVA0002	No	00400	PH (STANDARD UNITS)	07/22/86-09/18/86	0	5	
CUVA0003	No	00400	PH (STANDARD UNITS)	07/09/86-09/16/86	0	5	
CUVA0004	No	00400	PH (STANDARD UNITS)	04/24/86-11/04/86	0	8	
CUVA0005	No	00400	PH (STANDARD UNITS)	07/09/86-08/21/86	0	4	
CUVA0006	No	00400	PH (STANDARD UNITS)	07/09/86-09/16/86	0	5	
CUVA0007	No	00400	PH (STANDARD UNITS)	07/09/86-09/18/91	5	11	
CUVA0008	No	00400	PH (STANDARD UNITS)	04/24/86-08/14/86	0	6	
CUVA0009	No	00400	PH (STANDARD UNITS)	07/09/86-09/16/86	0	5	
CUVA0010	No	00400	PH (STANDARD UNITS)	09/08/65-05/14/74	8	20	
CUVA0011	No	00400	PH (STANDARD UNITS)	05/03/76-08/19/76	0	18	
CUVA0012	No	00400	PH (STANDARD UNITS)	04/24/86-11/04/86	0	8	
CUVA0013	No	00400	PH (STANDARD UNITS)	07/09/86-09/16/86	0	5	
CUVA0014	No	00400	PH (STANDARD UNITS)	05/04/76-08/23/76	0	14	
CUVA0015	No	00400	PH (STANDARD UNITS)	07/09/86-08/21/86	0	4	
CUVA0016	No	00400	PH (STANDARD UNITS)	07/09/86-08/21/86	0	4	
CUVA0017	No	00400	PH (STANDARD UNITS)	07/09/86-08/21/86	0	4	
CUVA0018	No	00400	PH (STANDARD UNITS)	09/08/65-04/02/74	8	20	
CUVA0019	No	00400	PH (STANDARD UNITS)	07/09/86-08/21/86	0	4	
CUVA0020	No	00400	PH (STANDARD UNITS)	09/08/65-06/29/77	11	26	
CUVA0021	No	00400	PH (STANDARD UNITS)	07/09/86-09/16/86	0	5	
CUVA0022	No	00400	PH (STANDARD UNITS)	07/22/86-09/18/86	0	5	
CUVA0023	No	00400	PH (STANDARD UNITS)	07/09/86-09/16/86	0	5	
CUVA0024	No	00400	PH (STANDARD UNITS)	04/12/72-04/12/72	0	1	
CUVA0025	No	00400	PH (STANDARD UNITS)	04/12/72-04/12/72	0	1	
CUVA0026	No	00400	PH (STANDARD UNITS)	04/12/72-04/12/72	0	1	
CUVA0027	No	00400	PH (STANDARD UNITS)	04/12/72-04/12/72	0	1	
CUVA0028	No	00400	PH (STANDARD UNITS)	04/12/72-04/12/72	0	1	
CUVA0029	No	00400	PH (STANDARD UNITS)	04/12/72-04/12/72	0	1	
CUVA0030	No	00400	PH (STANDARD UNITS)	04/12/72-04/12/72	0	1	
CUVA0031	No	00400	PH (STANDARD UNITS)	04/12/72-04/12/72	0	1	
CUVA0032	No	00400	PH (STANDARD UNITS)	04/12/72-04/12/72	0	1	
CUVA0033	No	00400	PH (STANDARD UNITS)	04/12/72-04/12/72	0	1	
CUVA0034	No	00400	PH (STANDARD UNITS)	04/24/79-03/09/80	0	3	
CUVA0035	No	00400	PH (STANDARD UNITS)	07/09/86-08/21/86	0	4	
CUVA0036	No	00400	PH (STANDARD UNITS)	04/12/72-04/12/72	0	1	
CUVA0037	No	00400	PH (STANDARD UNITS)	07/22/86-09/18/86	0	5	
CUVA0039	No	00400	PH (STANDARD UNITS)	07/09/86-08/21/86	0	4	
CUVA0040	No	00400	PH (STANDARD UNITS)	07/09/86-09/18/91	5	10	
CUVA0041	No	00400	PH (STANDARD UNITS)	08/21/86-12/08/86	0	3	
CUVA0042	No	00400	PH (STANDARD UNITS)	07/22/86-09/18/86	0	5	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0043	No	00400	PH (STANDARD UNITS)	07/22/86-09/18/86	0	5	
CUVA0044	No	00400	PH (STANDARD UNITS)	08/15/73-09/18/86	13	39	
CUVA0045	No	00400	PH (STANDARD UNITS)	12/18/73-06/29/77	3	10	
CUVA0046	No	00400	PH (STANDARD UNITS)	07/09/86-08/21/86	0	4	
CUVA0048	No	00400	PH (STANDARD UNITS)	08/17/88-08/17/88	0	1	
CUVA0049	No	00400	PH (STANDARD UNITS)	04/23/79-03/08/80	0	3	
CUVA0050	No	00400	PH (STANDARD UNITS)	09/24/64-11/24/64	0	8	
CUVA0051	No	00400	PH (STANDARD UNITS)	05/01/67-09/18/91	24	307	T,S
CUVA0052	No	00400	PH (STANDARD UNITS)	05/01/67-09/24/91	24	339	T,S
CUVA0053	No	00400	PH (STANDARD UNITS)	12/18/73-07/02/91	17	81	
CUVA0057	No	00400	PH (STANDARD UNITS)	07/11/91-09/24/91	0	6	
CUVA0061	No	00400	PH (STANDARD UNITS)	07/30/84-09/24/84	0	5	
CUVA0062	No	00400	PH (STANDARD UNITS)	10/31/73-09/10/87	13	120	
CUVA0063	No	00400	PH (STANDARD UNITS)	09/21/64-06/29/77	12	29	
CUVA0064	No	00400	PH (STANDARD UNITS)	05/04/78-05/04/78	0	1	
CUVA0069	No	00400	PH (STANDARD UNITS)	07/03/74-09/24/91	17	57	
CUVA0071	No	00400	PH (STANDARD UNITS)	09/14/82-09/15/82	0	5	
CUVA0074	No	00400	PH (STANDARD UNITS)	05/04/78-08/15/91	13	3	
CUVA0077	No	00400	PH (STANDARD UNITS)	05/04/78-09/03/91	13	2	
CUVA0080	No	00400	PH (STANDARD UNITS)	09/01/88-09/01/88	0	1	
CUVA0081	No	00400	PH (STANDARD UNITS)	05/04/78-09/03/91	13	2	
CUVA0083	No	00400	PH (STANDARD UNITS)	07/30/84-09/24/91	7	15	
CUVA0085	Yes	00400	PH (STANDARD UNITS)	03/26/86-09/20/94	8	44	
CUVA0086	Yes	00400	PH (STANDARD UNITS)	09/14/82-09/15/82	0	5	
CUVA0087	Yes	00400	PH (STANDARD UNITS)	01/14/87-09/20/94	7	42	
CUVA0088	Yes	00400	PH (STANDARD UNITS)	08/16/73-09/15/82	9	16	
CUVA0089	Yes	00400	PH (STANDARD UNITS)	12/10/73-09/24/91	17	134	
CUVA0090	Yes	00400	PH (STANDARD UNITS)	01/28/93-10/03/94	1	25	
CUVA0091	No	00400	PH (STANDARD UNITS)	08/14/84-08/14/84	0	1	
CUVA0093	No	00400	PH (STANDARD UNITS)	06/02/80-08/29/80	0	2	
CUVA0095	Yes	00400	PH (STANDARD UNITS)	03/26/86-09/20/94	8	44	
CUVA0096	No	00400	PH (STANDARD UNITS)	06/02/80-08/29/80	0	10	
CUVA0097	Yes	00400	PH (STANDARD UNITS)	09/14/82-09/15/82	0	5	
CUVA0098	Yes	00400	PH (STANDARD UNITS)	12/12/73-08/15/91	17	6	
CUVA0099	Yes	00400	PH (STANDARD UNITS)	07/30/84-09/10/87	3	8	
CUVA0100	No	00400	PH (STANDARD UNITS)	08/02/84-09/13/84	0	4	
CUVA0101	No	00400	PH (STANDARD UNITS)	08/02/84-09/13/84	0	4	
CUVA0102	Yes	00400	PH (STANDARD UNITS)	09/14/82-09/15/82	0	5	
CUVA0103	Yes	00400	PH (STANDARD UNITS)	11/01/84-09/20/94	9	46	
CUVA0104	Yes	00400	PH (STANDARD UNITS)	09/14/82-09/15/82	0	5	
CUVA0105	Yes	00400	PH (STANDARD UNITS)	11/01/84-09/20/94	9	46	
CUVA0106	No	00400	PH (STANDARD UNITS)	08/02/84-09/13/84	0	4	
CUVA0107	Yes	00400	PH (STANDARD UNITS)	01/14/87-09/09/93	6	35	
CUVA0108	No	00400	PH (STANDARD UNITS)	08/02/84-09/13/84	0	4	
CUVA0109	Yes	00400	PH (STANDARD UNITS)	11/01/84-09/20/94	9	46	
CUVA0110	Yes	00400	PH (STANDARD UNITS)	09/14/82-09/15/82	0	5	
CUVA0111	Yes	00400	PH (STANDARD UNITS)	09/14/82-09/15/82	0	5	
CUVA0112	Yes	00400	PH (STANDARD UNITS)	11/06/84-09/20/94	9	46	
CUVA0113	Yes	00400	PH (STANDARD UNITS)	11/06/84-09/19/94	9	45	
CUVA0114	Yes	00400	PH (STANDARD UNITS)	11/06/84-09/19/94	9	43	
CUVA0115	Yes	00400	PH (STANDARD UNITS)	06/27/94-06/29/94	0	3	
CUVA0116	Yes	00400	PH (STANDARD UNITS)	05/05/94-09/20/94	0	3	
CUVA0117	Yes	00400	PH (STANDARD UNITS)	09/14/82-09/15/82	0	5	
CUVA0118	No	00400	PH (STANDARD UNITS)	01/14/87-09/30/93	6	36	
CUVA0119	Yes	00400	PH (STANDARD UNITS)	09/14/82-09/14/82	0	4	
CUVA0120	No	00400	PH (STANDARD UNITS)	01/28/93-01/05/94	0	20	
CUVA0121	No	00400	PH (STANDARD UNITS)	09/14/82-09/23/93	11	11	
CUVA0122	No	00400	PH (STANDARD UNITS)	07/30/84-09/10/87	3	8	
CUVA0123	No	00400	PH (STANDARD UNITS)	09/14/82-09/14/82	0	4	
CUVA0124	No	00400	PH (STANDARD UNITS)	09/14/82-09/14/82	0	4	
CUVA0125	Yes	00400	PH (STANDARD UNITS)	11/06/84-09/19/94	9	46	
CUVA0126	No	00400	PH (STANDARD UNITS)	07/25/84-07/24/91	6	5	
CUVA0127	No	00400	PH (STANDARD UNITS)	07/25/84-04/09/93	8	7	
CUVA0128	Yes	00400	PH (STANDARD UNITS)	07/11/91-09/24/91	0	6	
CUVA0130	Yes	00400	PH (STANDARD UNITS)	01/14/87-10/03/94	7	45	
CUVA0131	Yes	00400	PH (STANDARD UNITS)	09/14/82-09/14/82	0	4	
CUVA0132	Yes	00400	PH (STANDARD UNITS)	07/16/85-07/19/94	9	43	
CUVA0133	Yes	00400	PH (STANDARD UNITS)	07/25/84-09/05/84	0	4	
CUVA0134	Yes	00400	PH (STANDARD UNITS)	09/14/82-09/15/82	0	5	
CUVA0135	No	00400	PH (STANDARD UNITS)	07/26/84-08/29/91	7	7	
CUVA0136	No	00400	PH (STANDARD UNITS)	07/25/84-07/24/91	6	2	
CUVA0137	Yes	00400	PH (STANDARD UNITS)	08/15/73-07/24/91	17	15	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0138	Yes	00400	PH (STANDARD UNITS)	04/02/86-10/03/94	8	47	
CUVA0139	Yes	00400	PH (STANDARD UNITS)	08/08/84-09/05/84	0	3	
CUVA0140	Yes	00400	PH (STANDARD UNITS)	09/14/82-09/14/82	0	1	
CUVA0141	Yes	00400	PH (STANDARD UNITS)	08/02/84-09/10/87	3	8	
CUVA0142	No	00400	PH (STANDARD UNITS)	07/24/84-07/24/84	0	1	
CUVA0144	No	00400	PH (STANDARD UNITS)	07/25/84-09/05/84	0	4	
CUVA0145	No	00400	PH (STANDARD UNITS)	07/24/84-09/05/84	0	5	
CUVA0146	Yes	00400	PH (STANDARD UNITS)	09/14/82-09/15/82	0	4	
CUVA0147	Yes	00400	PH (STANDARD UNITS)	01/14/87-09/19/94	7	42	
CUVA0148	No	00400	PH (STANDARD UNITS)	11/03/87-11/03/87	0	1	
CUVA0149	Yes	00400	PH (STANDARD UNITS)	09/14/82-09/15/82	0	5	
CUVA0151	Yes	00400	PH (STANDARD UNITS)	04/16/85-09/19/94	9	44	
CUVA0152	Yes	00400	PH (STANDARD UNITS)	09/14/82-09/15/82	0	5	
CUVA0153	Yes	00400	PH (STANDARD UNITS)	01/14/87-10/03/94	7	70	
CUVA0154	No	00400	PH (STANDARD UNITS)	09/14/82-09/15/82	0	5	
CUVA0155	No	00400	PH (STANDARD UNITS)	10/28/82-09/22/88	5	2	
CUVA0156	No	00400	PH (STANDARD UNITS)	10/28/82-09/22/88	5	2	
CUVA0158	Yes	00400	PH (STANDARD UNITS)	09/14/82-09/15/82	0	5	
CUVA0159	Yes	00400	PH (STANDARD UNITS)	04/02/86-10/03/94	8	47	
CUVA0160	No	00400	PH (STANDARD UNITS)	09/14/82-09/15/82	0	5	
CUVA0161	Yes	00400	PH (STANDARD UNITS)	09/14/82-09/15/82	0	5	
CUVA0162	Yes	00400	PH (STANDARD UNITS)	08/02/84-10/29/87	3	8	
CUVA0163	Yes	00400	PH (STANDARD UNITS)	01/14/87-09/19/94	7	42	
CUVA0164	Yes	00400	PH (STANDARD UNITS)	04/02/86-10/03/94	8	47	
CUVA0166	Yes	00400	PH (STANDARD UNITS)	07/26/84-08/29/91	7	7	
CUVA0167	Yes	00400	PH (STANDARD UNITS)	07/09/75-09/15/82	7	115	
CUVA0169	No	00400	PH (STANDARD UNITS)	01/11/83-01/11/83	0	1	
CUVA0170	Yes	00400	PH (STANDARD UNITS)	03/28/85-03/28/85	0	1	
CUVA0171	No	00400	PH (STANDARD UNITS)	03/28/85-03/28/85	0	1	
CUVA0172	Yes	00400	PH (STANDARD UNITS)	12/14/78-08/29/91	12	9	
CUVA0174	No	00400	PH (STANDARD UNITS)	03/28/85-04/14/88	3	2	
CUVA0176	Yes	00400	PH (STANDARD UNITS)	07/26/84-10/02/84	0	4	
CUVA0177	Yes	00400	PH (STANDARD UNITS)	03/28/85-03/28/85	0	1	
CUVA0178	No	00400	PH (STANDARD UNITS)	03/28/85-03/28/85	0	1	
CUVA0179	No	00400	PH (STANDARD UNITS)	07/26/84-09/26/85	1	5	
CUVA0180	No	00400	PH (STANDARD UNITS)	10/31/84-10/31/84	0	1	
CUVA0181	Yes	00400	PH (STANDARD UNITS)	07/26/84-09/26/85	1	5	
CUVA0182	No	00400	PH (STANDARD UNITS)	08/28/73-08/29/91	18	10	
CUVA0183	No	00400	PH (STANDARD UNITS)	10/31/84-03/28/85	0	2	
CUVA0184	Yes	00400	PH (STANDARD UNITS)	07/26/84-10/02/84	0	4	
CUVA0187	Yes	00400	PH (STANDARD UNITS)	08/02/84-09/24/91	7	15	
CUVA0189	No	00400	PH (STANDARD UNITS)	07/26/84-08/29/91	7	7	
CUVA0190	No	00400	PH (STANDARD UNITS)	01/14/75-01/15/75	0	12	
CUVA0192	No	00400	PH (STANDARD UNITS)	09/07/65-09/15/82	17	33	
CUVA0193	No	00400	PH (STANDARD UNITS)	12/24/75-03/20/80	4	18	
CUVA0194	No	00400	PH (STANDARD UNITS)	07/10/91-08/29/91	0	3	
CUVA0196	No	00400	PH (STANDARD UNITS)	07/26/84-10/02/84	0	4	
CUVA0197	No	00400	PH (STANDARD UNITS)	07/26/84-10/02/84	0	4	
CUVA0198	Yes	00400	PH (STANDARD UNITS)	09/07/65-07/28/77	11	27	
CUVA0202	No	00400	PH (STANDARD UNITS)	09/21/64-12/15/94	30	344	T,A,S
CUVA0203	No	00400	PH (STANDARD UNITS)	04/09/73-12/07/93	20	206	T,A
CUVA0205	No	00400	PH (STANDARD UNITS)	04/18/85-04/18/85	0	1	
CUVA0207	No	00400	PH (STANDARD UNITS)	04/18/85-04/18/85	0	1	
CUVA0209	No	00400	PH (STANDARD UNITS)	07/15/87-10/29/87	0	4	
CUVA0214	No	00400	PH (STANDARD UNITS)	08/28/73-09/12/91	18	26	
CUVA0215	Yes	00400	PH (STANDARD UNITS)	07/23/84-09/26/84	0	5	
CUVA0217	No	00400	PH (STANDARD UNITS)	07/24/91-09/24/91	0	3	
CUVA0223	No	00400	PH (STANDARD UNITS)	09/12/91-09/12/91	0	1	
CUVA0224	No	00400	PH (STANDARD UNITS)	07/23/84-09/24/91	7	11	
CUVA0225	No	00400	PH (STANDARD UNITS)	09/15/87-10/29/87	0	3	
CUVA0226	No	00400	PH (STANDARD UNITS)	07/15/87-09/24/91	4	11	
CUVA0227	No	00400	PH (STANDARD UNITS)	09/25/69-09/29/70	1	4	
CUVA0228	No	00400	PH (STANDARD UNITS)	09/16/69-09/29/70	1	7	
CUVA0001	No	00403	PH, LAB, STANDARD UNITS SU	10/18/78-10/18/78	0	1	
CUVA0005	No	00403	PH, LAB, STANDARD UNITS SU	09/17/86-09/17/86	0	1	
CUVA0015	No	00403	PH, LAB, STANDARD UNITS SU	09/17/86-09/17/86	0	1	
CUVA0016	No	00403	PH, LAB, STANDARD UNITS SU	09/17/86-09/17/86	0	1	
CUVA0017	No	00403	PH, LAB, STANDARD UNITS SU	09/17/86-09/17/86	0	1	
CUVA0019	No	00403	PH, LAB, STANDARD UNITS SU	09/17/86-09/17/86	0	1	
CUVA0035	No	00403	PH, LAB, STANDARD UNITS SU	09/17/86-09/17/86	0	1	
CUVA0039	No	00403	PH, LAB, STANDARD UNITS SU	09/17/86-09/17/86	0	1	
CUVA0040	No	00403	PH, LAB, STANDARD UNITS SU	09/17/86-09/17/86	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0044	No	00403	PH, LAB, STANDARD UNITS SU	08/08/73-06/18/81	7	19	
CUVA0046	No	00403	PH, LAB, STANDARD UNITS SU	09/17/86-09/17/86	0	1	
CUVA0051	No	00403	PH, LAB, STANDARD UNITS SU	12/12/73-12/18/73	0	2	
CUVA0052	No	00403	PH, LAB, STANDARD UNITS SU	12/12/73-12/18/73	0	2	
CUVA0053	No	00403	PH, LAB, STANDARD UNITS SU	12/18/73-08/21/89	15	2	
CUVA0064	No	00403	PH, LAB, STANDARD UNITS SU	05/04/78-05/04/78	0	1	
CUVA0066	No	00403	PH, LAB, STANDARD UNITS SU	07/02/75-07/02/75	0	1	
CUVA0069	No	00403	PH, LAB, STANDARD UNITS SU	08/23/84-08/28/84	0	2	
CUVA0074	No	00403	PH, LAB, STANDARD UNITS SU	05/04/78-05/04/78	0	1	
CUVA0077	No	00403	PH, LAB, STANDARD UNITS SU	05/04/78-05/04/78	0	1	
CUVA0081	No	00403	PH, LAB, STANDARD UNITS SU	05/04/78-05/04/78	0	1	
CUVA0083	No	00403	PH, LAB, STANDARD UNITS SU	08/21/84-08/28/84	0	3	
CUVA0089	Yes	00403	PH, LAB, STANDARD UNITS SU	12/12/73-12/18/73	0	2	
CUVA0091	No	00403	PH, LAB, STANDARD UNITS SU	09/19/84-09/19/84	0	1	
CUVA0100	No	00403	PH, LAB, STANDARD UNITS SU	09/19/84-09/19/84	0	1	
CUVA0101	No	00403	PH, LAB, STANDARD UNITS SU	09/19/84-09/19/84	0	1	
CUVA0126	No	00403	PH, LAB, STANDARD UNITS SU	07/25/84-07/25/84	0	2	
CUVA0127	No	00403	PH, LAB, STANDARD UNITS SU	07/25/84-07/25/84	0	1	
CUVA0133	Yes	00403	PH, LAB, STANDARD UNITS SU	07/24/84-07/25/84	0	2	
CUVA0135	No	00403	PH, LAB, STANDARD UNITS SU	11/07/72-08/04/76	3	2	
CUVA0136	No	00403	PH, LAB, STANDARD UNITS SU	07/25/84-07/25/84	0	1	
CUVA0137	Yes	00403	PH, LAB, STANDARD UNITS SU	08/08/73-07/25/84	10	2	
CUVA0144	No	00403	PH, LAB, STANDARD UNITS SU	07/25/84-07/25/84	0	1	
CUVA0145	No	00403	PH, LAB, STANDARD UNITS SU	07/24/84-07/25/84	0	2	
CUVA0182	No	00403	PH, LAB, STANDARD UNITS SU	08/28/73-03/27/75	1	8	
CUVA0191	No	00403	PH, LAB, STANDARD UNITS SU	08/04/76-08/04/76	0	1	
CUVA0193	No	00403	PH, LAB, STANDARD UNITS SU	06/24/76-06/18/81	4	15	
CUVA0194	No	00403	PH, LAB, STANDARD UNITS SU	08/04/76-08/04/76	0	1	
CUVA0202	No	00403	PH, LAB, STANDARD UNITS SU	10/15/80-12/15/94	14	62	
CUVA0203	No	00403	PH, LAB, STANDARD UNITS SU	04/09/73-06/25/90	17	55	
CUVA0204	No	00403	PH, LAB, STANDARD UNITS SU	11/04/81-09/29/82	0	446	
CUVA0214	No	00403	PH, LAB, STANDARD UNITS SU	08/28/73-06/18/81	7	14	
CUVA0010	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/24/72-05/14/74	1	3	
CUVA0011	No	00405	CARBON DIOXIDE (MG/L AS CO2)	05/03/76-08/19/76	0	3	
CUVA0014	No	00405	CARBON DIOXIDE (MG/L AS CO2)	05/04/76-08/23/76	0	4	
CUVA0018	No	00405	CARBON DIOXIDE (MG/L AS CO2)	09/15/72-04/02/74	1	4	
CUVA0020	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/24/72-06/29/77	4	11	
CUVA0034	No	00405	CARBON DIOXIDE (MG/L AS CO2)	04/24/79-03/09/80	0	3	
CUVA0045	No	00405	CARBON DIOXIDE (MG/L AS CO2)	03/28/74-06/29/77	3	9	
CUVA0049	No	00405	CARBON DIOXIDE (MG/L AS CO2)	04/23/79-03/08/80	0	3	
CUVA0063	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/03/73-06/29/77	3	25	
CUVA0088	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/16/73-06/29/77	3	10	
CUVA0096	No	00405	CARBON DIOXIDE (MG/L AS CO2)	06/02/80-08/29/80	0	4	
CUVA0167	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/09/75-08/08/79	4	22	
CUVA0192	No	00405	CARBON DIOXIDE (MG/L AS CO2)	09/18/72-07/28/77	4	10	
CUVA0198	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	10/20/72-07/28/77	4	10	
CUVA0202	No	00405	CARBON DIOXIDE (MG/L AS CO2)	02/08/72-04/05/78	6	59	
CUVA0004	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/04/86-11/04/86	0	1	
CUVA0008	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/04/86-11/04/86	0	1	
CUVA0010	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/30/68-05/14/74	5	7	
CUVA0011	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/03/76-08/19/76	0	3	
CUVA0012	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/30/86-11/04/86	0	2	
CUVA0014	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/04/76-08/23/76	0	4	
CUVA0018	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/16/68-04/02/74	5	8	
CUVA0020	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/16/68-06/29/77	8	15	
CUVA0034	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/24/79-03/09/80	0	3	
CUVA0044	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/24/75-09/30/76	0	4	
CUVA0045	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/28/74-06/29/77	3	9	
CUVA0049	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/23/79-03/08/80	0	3	
CUVA0050	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/03/64-11/24/64	0	4	
CUVA0051	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/01/67-12/13/71	4	218	
CUVA0052	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/01/67-12/13/71	4	220	
CUVA0062	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/02/74-05/02/74	0	1	
CUVA0063	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/24/69-06/29/77	7	99	
CUVA0069	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/21/84-08/28/84	0	3	
CUVA0083	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/21/84-08/28/84	0	3	
CUVA0085	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/86-09/20/94	8	44	
CUVA0087	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/20/94	7	41	
CUVA0088	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/73-06/29/77	3	10	
CUVA0090	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/93-10/03/94	1	25	
CUVA0095	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/86-09/20/94	8	44	
CUVA0096	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/80-08/29/80	0	4	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0103	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/84-09/20/94	9	45	
CUVA0105	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/84-09/20/94	9	46	
CUVA0107	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/09/93	6	36	
CUVA0109	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/84-09/20/94	9	46	
CUVA0112	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/06/84-09/20/94	9	46	
CUVA0113	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/06/84-09/19/94	9	45	
CUVA0114	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/06/84-09/19/94	9	42	
CUVA0116	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/05/94-09/20/94	0	3	
CUVA0118	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/30/93	6	36	
CUVA0120	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/93-01/05/94	0	20	
CUVA0125	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/06/84-09/19/94	9	46	
CUVA0130	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-10/03/94	7	45	
CUVA0132	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/16/85-07/19/94	9	42	
CUVA0138	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/02/86-10/03/94	8	46	
CUVA0147	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/19/94	7	42	
CUVA0151	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/16/85-09/19/94	9	44	
CUVA0153	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-10/03/94	7	70	
CUVA0159	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/02/86-10/03/94	8	47	
CUVA0163	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/19/94	7	42	
CUVA0164	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/02/86-10/03/94	8	47	
CUVA0167	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/75-08/08/79	4	22	
CUVA0182	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/27/75-03/27/75	0	1	
CUVA0192	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/07/65-07/28/77	11	16	
CUVA0193	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/24/75-09/30/76	0	4	
CUVA0198	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/07/65-07/28/77	11	16	
CUVA0202	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	26	222	T,S
CUVA0203	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/07/73-12/07/93	20	140	T,A
CUVA0212	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/31/90-08/22/90	0	8	
CUVA0214	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/28/74-09/25/90	16	13	
CUVA0219	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/27/90-09/26/90	0	4	
CUVA0221	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/21/90-09/26/90	0	5	
CUVA0222	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/28/90-09/26/90	0	4	
CUVA0224	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/31/90-09/25/90	0	12	
CUVA0226	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/31/90-09/25/90	0	6	
CUVA0044	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/24/75-09/30/76	0	4	
CUVA0193	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/24/75-09/30/76	0	4	
CUVA0202	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/05/90-06/05/90	0	1	
CUVA0203	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/24/75-09/30/76	0	4	
CUVA0227	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	09/25/69-09/25/69	0	1	
CUVA0228	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	09/16/69-09/22/69	0	4	
CUVA0010	No	00440	BICARBONATE ION (MG/L AS HCO3)	09/08/65-05/14/74	8	9	
CUVA0011	No	00440	BICARBONATE ION (MG/L AS HCO3)	05/03/76-08/19/76	0	3	
CUVA0014	No	00440	BICARBONATE ION (MG/L AS HCO3)	05/04/76-08/23/76	0	4	
CUVA0018	No	00440	BICARBONATE ION (MG/L AS HCO3)	09/08/65-04/02/74	8	10	
CUVA0020	No	00440	BICARBONATE ION (MG/L AS HCO3)	09/08/65-06/29/77	11	17	
CUVA0034	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/24/79-03/09/80	0	3	
CUVA0045	No	00440	BICARBONATE ION (MG/L AS HCO3)	03/28/74-06/29/77	3	9	
CUVA0049	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/23/79-03/08/80	0	3	
CUVA0063	No	00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-06/29/77	12	102	
CUVA0088	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/16/73-06/29/77	3	10	
CUVA0096	No	00440	BICARBONATE ION (MG/L AS HCO3)	06/02/80-08/29/80	0	4	
CUVA0167	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	07/09/75-08/08/79	4	22	
CUVA0192	No	00440	BICARBONATE ION (MG/L AS HCO3)	09/07/65-07/28/77	11	17	
CUVA0198	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	09/07/65-07/28/77	11	17	
CUVA0202	No	00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-08/19/87	22	165	T,S
CUVA0010	No	00445	CARBONATE ION (MG/L AS CO3)	09/08/65-05/14/74	8	9	
CUVA0011	No	00445	CARBONATE ION (MG/L AS CO3)	05/03/76-08/19/76	0	3	
CUVA0014	No	00445	CARBONATE ION (MG/L AS CO3)	05/04/76-08/23/76	0	4	
CUVA0018	No	00445	CARBONATE ION (MG/L AS CO3)	09/08/65-04/02/74	8	10	
CUVA0020	No	00445	CARBONATE ION (MG/L AS CO3)	09/08/65-06/29/77	11	17	
CUVA0034	No	00445	CARBONATE ION (MG/L AS CO3)	04/24/79-03/09/80	0	3	
CUVA0045	No	00445	CARBONATE ION (MG/L AS CO3)	03/28/74-06/29/77	3	9	
CUVA0049	No	00445	CARBONATE ION (MG/L AS CO3)	04/23/79-03/08/80	0	3	
CUVA0063	No	00445	CARBONATE ION (MG/L AS CO3)	09/21/64-06/29/77	12	102	
CUVA0088	Yes	00445	CARBONATE ION (MG/L AS CO3)	08/16/73-06/29/77	3	10	
CUVA0096	No	00445	CARBONATE ION (MG/L AS CO3)	06/02/80-08/29/80	0	4	
CUVA0167	Yes	00445	CARBONATE ION (MG/L AS CO3)	07/09/75-08/08/79	4	22	
CUVA0192	No	00445	CARBONATE ION (MG/L AS CO3)	08/29/66-07/28/77	10	15	
CUVA0198	Yes	00445	CARBONATE ION (MG/L AS CO3)	08/29/66-07/28/77	10	15	
CUVA0202	No	00445	CARBONATE ION (MG/L AS CO3)	09/21/64-12/11/90	26	170	T,S
CUVA0202	No	00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	12/21/88-03/16/94	5	22	
CUVA0202	No	00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	12/21/88-09/20/94	5	23	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0002	No	00500	RESIDUE, TOTAL (MG/L)	07/22/86-07/22/86	0	1	
CUVA0010	No	00500	RESIDUE, TOTAL (MG/L)	08/17/73-08/17/73	0	1	
CUVA0011	No	00500	RESIDUE, TOTAL (MG/L)	05/03/76-05/03/76	0	1	
CUVA0014	No	00500	RESIDUE, TOTAL (MG/L)	05/04/76-05/04/76	0	1	
CUVA0018	No	00500	RESIDUE, TOTAL (MG/L)	08/17/73-08/17/73	0	1	
CUVA0020	No	00500	RESIDUE, TOTAL (MG/L)	08/17/73-08/17/73	0	1	
CUVA0024	No	00500	RESIDUE, TOTAL (MG/L)	04/12/72-04/12/72	0	1	
CUVA0025	No	00500	RESIDUE, TOTAL (MG/L)	04/12/72-04/12/72	0	1	
CUVA0026	No	00500	RESIDUE, TOTAL (MG/L)	04/12/72-04/12/72	0	1	
CUVA0027	No	00500	RESIDUE, TOTAL (MG/L)	04/12/72-04/12/72	0	1	
CUVA0028	No	00500	RESIDUE, TOTAL (MG/L)	04/12/72-04/12/72	0	1	
CUVA0029	No	00500	RESIDUE, TOTAL (MG/L)	04/12/72-04/12/72	0	1	
CUVA0030	No	00500	RESIDUE, TOTAL (MG/L)	04/12/72-04/12/72	0	1	
CUVA0031	No	00500	RESIDUE, TOTAL (MG/L)	04/12/72-04/12/72	0	1	
CUVA0032	No	00500	RESIDUE, TOTAL (MG/L)	04/12/72-04/12/72	0	1	
CUVA0033	No	00500	RESIDUE, TOTAL (MG/L)	04/12/72-04/12/72	0	1	
CUVA0036	No	00500	RESIDUE, TOTAL (MG/L)	04/12/72-04/12/72	0	1	
CUVA0044	No	00500	RESIDUE, TOTAL (MG/L)	08/08/73-10/20/76	3	28	
CUVA0050	No	00500	RESIDUE, TOTAL (MG/L)	11/03/64-11/24/64	0	4	
CUVA0053	No	00500	RESIDUE, TOTAL (MG/L)	03/27/75-08/21/75	0	2	
CUVA0062	No	00500	RESIDUE, TOTAL (MG/L)	10/31/73-06/05/75	1	7	
CUVA0063	No	00500	RESIDUE, TOTAL (MG/L)	08/02/73-06/30/74	0	22	
CUVA0066	No	00500	RESIDUE, TOTAL (MG/L)	12/12/73-07/02/75	1	2	
CUVA0084	Yes	00500	RESIDUE, TOTAL (MG/L)	12/12/73-12/12/73	0	1	
CUVA0088	Yes	00500	RESIDUE, TOTAL (MG/L)	08/16/73-08/16/73	0	1	
CUVA0089	Yes	00500	RESIDUE, TOTAL (MG/L)	12/26/74-04/10/75	0	3	
CUVA0096	No	00500	RESIDUE, TOTAL (MG/L)	06/02/80-06/02/80	0	1	
CUVA0098	Yes	00500	RESIDUE, TOTAL (MG/L)	12/12/73-12/12/73	0	1	
CUVA0135	No	00500	RESIDUE, TOTAL (MG/L)	08/04/76-07/30/91	14	2	
CUVA0137	Yes	00500	RESIDUE, TOTAL (MG/L)	08/08/73-08/21/75	2	14	
CUVA0150	Yes	00500	RESIDUE, TOTAL (MG/L)	12/12/73-12/12/73	0	1	
CUVA0167	Yes	00500	RESIDUE, TOTAL (MG/L)	07/09/75-09/11/79	4	110	
CUVA0182	No	00500	RESIDUE, TOTAL (MG/L)	08/28/73-10/17/73	0	7	
CUVA0191	No	00500	RESIDUE, TOTAL (MG/L)	08/04/76-08/04/76	0	1	
CUVA0192	No	00500	RESIDUE, TOTAL (MG/L)	09/10/73-09/10/73	0	1	
CUVA0193	No	00500	RESIDUE, TOTAL (MG/L)	12/24/75-10/20/76	0	11	
CUVA0194	No	00500	RESIDUE, TOTAL (MG/L)	08/04/76-07/30/91	14	2	
CUVA0198	Yes	00500	RESIDUE, TOTAL (MG/L)	09/13/73-09/13/73	0	1	
CUVA0202	No	00500	RESIDUE, TOTAL (MG/L)	08/15/73-06/19/74	0	20	
CUVA0203	No	00500	RESIDUE, TOTAL (MG/L)	12/19/73-09/25/90	16	62	
CUVA0212	No	00500	RESIDUE, TOTAL (MG/L)	05/31/90-08/22/90	0	8	
CUVA0214	No	00500	RESIDUE, TOTAL (MG/L)	08/28/73-09/25/90	17	29	
CUVA0219	No	00500	RESIDUE, TOTAL (MG/L)	08/28/90-09/26/90	0	3	
CUVA0221	No	00500	RESIDUE, TOTAL (MG/L)	08/21/90-09/26/90	0	4	
CUVA0222	No	00500	RESIDUE, TOTAL (MG/L)	08/29/90-09/26/90	0	3	
CUVA0224	No	00500	RESIDUE, TOTAL (MG/L)	05/31/90-09/25/90	0	11	
CUVA0226	No	00500	RESIDUE, TOTAL (MG/L)	05/31/90-09/25/90	0	5	
CUVA0227	No	00500	RESIDUE, TOTAL (MG/L)	09/25/69-09/29/70	1	8	
CUVA0228	No	00500	RESIDUE, TOTAL (MG/L)	09/16/69-09/29/70	1	12	
CUVA0050	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/03/64-11/24/64	0	4	
CUVA0143	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/21/75-08/21/75	0	1	
CUVA0144	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/21/75-08/21/75	0	1	
CUVA0050	No	00510	RESIDUE, TOTAL FIXED (MG/L)	11/03/64-11/24/64	0	4	
CUVA0001	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/18/78-10/18/78	0	1	
CUVA0044	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/73-10/18/79	6	39	
CUVA0050	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/03/64-11/24/64	0	4	
CUVA0062	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/31/73-06/05/75	1	5	
CUVA0064	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/04/78-05/04/78	0	1	
CUVA0066	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/12/73-07/02/75	1	2	
CUVA0074	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/04/78-05/04/78	0	1	
CUVA0077	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/04/78-05/04/78	0	1	
CUVA0081	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/04/78-05/04/78	0	1	
CUVA0084	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/12/73-12/12/73	0	1	
CUVA0089	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/26/74-01/09/75	0	2	
CUVA0098	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/12/73-12/12/73	0	1	
CUVA0135	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/04/76-08/04/76	0	1	
CUVA0137	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/73-01/09/75	1	10	
CUVA0150	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/12/73-12/12/73	0	1	
CUVA0172	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/14/78-12/14/78	0	1	
CUVA0182	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/28/73-10/17/73	0	7	
CUVA0191	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/04/76-08/04/76	0	1	
CUVA0193	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/24/75-12/20/79	3	26	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0194	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/04/76-08/04/76	0	1	
CUVA0203	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/21/73-02/28/80	6	72	
CUVA0214	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/28/73-12/20/79	6	23	
CUVA0227	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/25/69-09/29/70	1	8	
CUVA0228	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/16/69-09/29/70	1	12	
CUVA0050	No	00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	11/03/64-11/24/64	0	4	
CUVA0050	No	00525	RESIDUE, FIXED FILTRABLE (MG/L)	11/03/64-11/24/64	0	4	
CUVA0001	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/18/78-10/18/78	0	1	
CUVA0002	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/12/86-09/18/86	0	4	
CUVA0003	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/16/86	0	5	
CUVA0004	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/14/86-08/14/86	0	2	
CUVA0005	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/17/86	0	5	
CUVA0006	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/16/86	0	5	
CUVA0007	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/18/91	5	10	
CUVA0008	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/14/86-08/14/86	0	2	
CUVA0009	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/16/86	0	5	
CUVA0011	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/03/76-05/03/76	0	1	
CUVA0012	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/14/86-08/14/86	0	2	
CUVA0013	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/16/86	0	5	
CUVA0014	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/04/76-05/04/76	0	1	
CUVA0015	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/17/86	0	5	
CUVA0016	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/17/86	0	5	
CUVA0017	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/17/86	0	5	
CUVA0019	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/17/86	0	5	
CUVA0021	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/16/86	0	5	
CUVA0022	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/22/86-09/18/86	0	5	
CUVA0023	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/16/86	0	5	
CUVA0024	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/72-04/12/72	0	1	
CUVA0025	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/72-04/12/72	0	1	
CUVA0026	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/72-04/12/72	0	1	
CUVA0027	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/72-04/12/72	0	1	
CUVA0028	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/72-04/12/72	0	1	
CUVA0029	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/72-04/12/72	0	1	
CUVA0030	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/72-04/12/72	0	1	
CUVA0031	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/72-04/12/72	0	1	
CUVA0032	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/72-04/12/72	0	1	
CUVA0033	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/72-04/12/72	0	1	
CUVA0035	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/17/86	0	5	
CUVA0036	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/72-04/12/72	0	1	
CUVA0037	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/22/86-09/18/86	0	5	
CUVA0039	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/17/86	0	5	
CUVA0040	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/18/91	5	11	
CUVA0041	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/21/86-12/08/86	0	3	
CUVA0042	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/22/86-09/18/86	0	5	
CUVA0043	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/22/86-09/18/86	0	4	
CUVA0044	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/08/73-09/18/86	13	49	
CUVA0046	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/17/86	0	5	
CUVA0047	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/13/92-07/13/92	0	1	
CUVA0048	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/17/88-08/17/88	0	1	
CUVA0051	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/10/73-09/18/91	17	87	
CUVA0052	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/10/73-09/24/91	17	115	
CUVA0053	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/14/73-07/02/91	17	71	
CUVA0054	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/13/92-09/03/93	1	3	
CUVA0057	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/11/91-09/24/91	0	6	
CUVA0058	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/13/92-07/13/92	0	1	
CUVA0062	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/10/73-08/14/89	15	122	
CUVA0063	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/04/91-09/03/93	1	17	
CUVA0064	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/04/78-05/04/78	0	1	
CUVA0065	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/04/91-09/03/93	1	7	
CUVA0066	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/02/75-07/02/75	0	1	
CUVA0067	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/04/91-09/03/93	1	9	
CUVA0069	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/74-09/24/91	17	59	
CUVA0073	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/24/91-09/24/91	0	1	
CUVA0074	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/04/78-09/24/91	13	4	
CUVA0075	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/15/90-09/24/91	1	2	
CUVA0077	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/04/78-09/24/91	13	3	
CUVA0080	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/16/90-09/24/91	1	2	
CUVA0081	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/04/78-09/24/91	13	3	
CUVA0083	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/84-09/24/91	7	16	
CUVA0086	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/04/91-09/03/93	1	21	
CUVA0089	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/10/73-09/24/91	17	134	
CUVA0091	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/14/84-09/19/84	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0096	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/02/80-06/02/80	0	1	
CUVA0098	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/15/91-08/15/91	0	1	
CUVA0099	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/84-08/14/89	5	11	
CUVA0100	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/02/84-09/13/84	0	4	
CUVA0101	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/02/84-09/19/84	0	5	
CUVA0106	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/02/84-09/13/84	0	4	
CUVA0108	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/02/84-09/13/84	0	4	
CUVA0115	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/27/94-06/28/94	0	2	
CUVA0121	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/13/92-09/23/93	1	8	
CUVA0122	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/24/87-09/10/87	0	3	
CUVA0126	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/84-07/24/91	6	6	
CUVA0127	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/84-07/24/91	6	5	
CUVA0128	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/11/91-09/24/91	0	6	
CUVA0133	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/84-09/05/84	0	5	
CUVA0135	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/04/76-08/29/91	15	9	
CUVA0136	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/84-07/24/91	6	2	
CUVA0137	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/08/73-07/24/91	17	9	
CUVA0139	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/08/84-09/05/84	0	3	
CUVA0140	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/04/91-09/03/93	1	11	
CUVA0141	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/02/84-09/10/87	3	8	
CUVA0142	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/23/90-04/23/90	0	1	
CUVA0144	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/84-09/05/84	0	4	
CUVA0145	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/84-09/05/84	0	5	
CUVA0146	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/04/91-09/03/93	1	22	
CUVA0148	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/03/87-11/03/87	0	1	
CUVA0149	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/03/93-09/03/93	0	1	
CUVA0155	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/28/82-10/28/82	0	1	
CUVA0156	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/28/82-10/28/82	0	1	
CUVA0162	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/02/84-10/29/87	3	8	
CUVA0165	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/91-07/31/91	0	2	
CUVA0166	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/26/84-08/29/91	7	9	
CUVA0167	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/75-09/11/79	4	110	
CUVA0168	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/03/82-01/11/83	0	2	
CUVA0169	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/11/83-01/11/83	0	1	
CUVA0170	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/28/85-03/28/85	0	1	
CUVA0171	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/28/85-03/28/85	0	1	
CUVA0172	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/14/78-08/29/91	12	11	
CUVA0173	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/05/91-09/03/93	1	17	
CUVA0174	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/28/85-04/14/88	3	2	
CUVA0177	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/28/85-03/28/85	0	1	
CUVA0178	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/28/85-03/28/85	0	1	
CUVA0179	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/26/85-07/31/91	5	3	
CUVA0180	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/31/84-10/31/84	0	1	
CUVA0181	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/26/84-09/26/85	1	5	
CUVA0182	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/28/73-08/29/91	18	10	
CUVA0183	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/31/84-03/28/85	0	2	
CUVA0184	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/26/84-10/02/84	0	4	
CUVA0187	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/02/84-09/24/91	7	15	
CUVA0188	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/31/91-07/31/91	0	2	
CUVA0189	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/26/84-08/29/91	7	9	
CUVA0190	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/14/75-01/14/75	0	1	
CUVA0191	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/04/76-07/31/91	14	3	
CUVA0193	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/24/75-06/18/81	5	32	
CUVA0194	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/04/76-08/29/91	15	5	
CUVA0195	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/14/75-01/14/75	0	1	
CUVA0196	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/26/84-10/02/84	0	4	
CUVA0202	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/05/91-09/03/93	1	18	
CUVA0203	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	19	212	A
CUVA0204	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/04/81-09/30/87	5	2755	
CUVA0205	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/85-04/18/85	0	1	
CUVA0207	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/85-04/18/85	0	1	
CUVA0209	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/15/87-10/29/87	0	4	
CUVA0212	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/31/90-08/22/90	0	8	
CUVA0214	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/28/73-09/12/91	18	47	
CUVA0215	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/23/84-09/26/84	0	5	
CUVA0217	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/91-09/24/91	0	3	
CUVA0218	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/09/91-09/09/91	0	1	
CUVA0219	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/27/90-09/26/90	0	4	
CUVA0221	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/21/90-09/26/90	0	5	
CUVA0222	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/28/90-09/26/90	0	4	
CUVA0223	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/12/91-09/12/91	0	1	
CUVA0224	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/23/84-09/24/91	7	23	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0225	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/15/87-10/29/87	0	3	
CUVA0226	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/15/87-09/24/91	4	17	
CUVA0227	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/69-09/29/70	1	8	
CUVA0228	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/16/69-09/29/70	1	12	
CUVA0227	No	00546	RESIDUE, SETTLEABLE (MG/L)	09/25/69-09/29/70	1	8	
CUVA0228	No	00546	RESIDUE, SETTLEABLE (MG/L)	09/16/69-09/29/70	1	11	
CUVA0024	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	04/12/72-04/12/72	0	1	
CUVA0025	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	04/12/72-04/12/72	0	1	
CUVA0026	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	04/12/72-04/12/72	0	1	
CUVA0027	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	04/12/72-04/12/72	0	1	
CUVA0028	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	04/12/72-04/12/72	0	1	
CUVA0029	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	04/12/72-04/12/72	0	1	
CUVA0031	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	04/12/72-04/12/72	0	1	
CUVA0032	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	04/12/72-04/12/72	0	1	
CUVA0033	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	04/12/72-04/12/72	0	1	
CUVA0036	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	04/12/72-04/12/72	0	1	
CUVA0044	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	08/15/73-09/30/76	3	8	
CUVA0062	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	05/02/74-04/10/75	0	4	
CUVA0084	Yes	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	12/12/73-12/12/73	0	1	
CUVA0089	Yes	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	12/26/74-04/10/75	0	3	
CUVA0135	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	11/07/72-11/07/72	0	1	
CUVA0137	Yes	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	08/15/73-03/27/75	1	3	
CUVA0167	Yes	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	09/03/75-09/03/75	0	1	
CUVA0182	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	03/27/75-03/27/75	0	1	
CUVA0193	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	12/24/75-09/30/76	0	4	
CUVA0203	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	08/21/73-06/01/77	3	33	
CUVA0208	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	03/01/72-03/02/72	0	2	
CUVA0214	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	02/14/74-09/29/77	3	9	
CUVA0227	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	09/25/69-09/29/70	1	8	
CUVA0228	No	00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	09/16/69-09/29/70	1	11	
CUVA0002	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	08/12/86-08/12/86	0	1	
CUVA0044	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	09/30/80-09/30/80	0	1	
CUVA0051	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	08/12/86-09/18/86	0	4	
CUVA0069	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	08/21/84-08/28/84	0	2	
CUVA0083	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	08/21/84-08/28/84	0	2	
CUVA0162	Yes	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	08/02/84-08/21/84	0	3	
CUVA0167	Yes	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	07/09/75-09/11/79	4	107	
CUVA0174	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	04/14/88-04/14/88	0	1	
CUVA0180	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	10/31/84-10/31/84	0	1	
CUVA0183	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	10/31/84-10/31/84	0	1	
CUVA0193	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	09/30/80-09/30/80	0	1	
CUVA0214	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	09/30/80-09/30/80	0	1	
CUVA0215	Yes	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	07/23/84-08/22/84	0	2	
CUVA0224	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	08/22/84-08/22/84	0	1	
CUVA0202	No	00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	09/11/74-09/09/80	5	9	
CUVA0202	No	00573	BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)	03/12/75-09/09/80	5	7	
CUVA0011	No	00600	NITROGEN, TOTAL (MG/L AS N)	05/03/76-08/19/76	0	3	
CUVA0014	No	00600	NITROGEN, TOTAL (MG/L AS N)	05/04/76-08/23/76	0	4	
CUVA0093	No	00600	NITROGEN, TOTAL (MG/L AS N)	06/02/80-08/29/80	0	2	
CUVA0096	No	00600	NITROGEN, TOTAL (MG/L AS N)	06/02/80-08/29/80	0	3	
CUVA0167	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	07/09/75-09/11/79	4	110	
CUVA0202	No	00600	NITROGEN, TOTAL (MG/L AS N)	01/10/74-08/12/81	7	57	
CUVA0202	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/03/79-08/12/81	1	17	
CUVA0011	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/03/76-08/19/76	0	3	
CUVA0014	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/04/76-08/23/76	0	4	
CUVA0096	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/02/80-08/29/80	0	3	
CUVA0167	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/09/75-09/11/79	4	110	
CUVA0202	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/06/74-11/19/85	11	32	
CUVA0202	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/03/79-08/12/81	1	17	
CUVA0115	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/27/94-06/28/94	0	2	
CUVA0121	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/20/93-09/23/93	0	4	
CUVA0202	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/03/79-12/15/94	15	70	
CUVA0001	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/18/78-10/18/78	0	1	
CUVA0002	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/86-09/18/86	0	5	
CUVA0003	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/16/86	0	5	
CUVA0004	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/24/86-11/04/86	0	8	
CUVA0005	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0006	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/16/86	0	5	
CUVA0007	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/18/91	5	11	
CUVA0008	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/24/86-11/04/86	0	7	
CUVA0009	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/16/86	0	5	
CUVA0011	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/03/76-08/19/76	0	3	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0012	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/24/86-11/04/86	0	8	
CUVA0013	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/16/86	0	5	
CUVA0014	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/04/76-08/23/76	0	4	
CUVA0015	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0016	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0017	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0019	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0020	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/10/74-06/29/77	2	7	
CUVA0021	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/16/86	0	5	
CUVA0022	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/86-09/18/86	0	5	
CUVA0023	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/16/86	0	5	
CUVA0035	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0037	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/86-09/18/86	0	5	
CUVA0039	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0040	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/18/91	5	11	
CUVA0041	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/86-12/08/86	0	3	
CUVA0042	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/86-09/18/86	0	5	
CUVA0043	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/86-09/18/86	0	5	
CUVA0044	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/08/73-09/18/86	13	61	
CUVA0045	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/10/74-06/29/77	2	7	
CUVA0046	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0048	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/17/88-08/17/88	0	1	
CUVA0051	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/74-09/18/91	17	52	
CUVA0052	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/74-09/24/91	17	57	
CUVA0053	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/74-07/02/91	17	69	
CUVA0057	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/91-09/24/91	0	6	
CUVA0061	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/30/84-09/24/84	0	5	
CUVA0062	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/31/73-09/10/87	13	61	
CUVA0063	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/10/74-06/29/77	2	7	
CUVA0064	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/04/78-05/04/78	0	1	
CUVA0066	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/12/73-07/02/75	1	2	
CUVA0069	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/12/74-09/24/91	17	38	
CUVA0072	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/15/90-08/15/90	0	1	
CUVA0073	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/24/91-09/24/91	0	1	
CUVA0074	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/04/78-09/24/91	13	5	
CUVA0075	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/15/90-09/24/91	1	2	
CUVA0077	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/04/78-09/24/91	13	4	
CUVA0080	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/01/88-09/24/91	3	3	
CUVA0081	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/04/78-09/24/91	13	4	
CUVA0083	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/30/84-09/24/91	7	15	
CUVA0084	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/12/73-12/12/73	0	1	
CUVA0085	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/20/94-07/20/94	0	1	
CUVA0087	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/20/94-07/20/94	0	1	
CUVA0088	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/10/74-06/29/77	2	7	
CUVA0089	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/74-09/24/91	17	73	
CUVA0090	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/94-10/03/94	0	6	
CUVA0091	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/14/84-09/19/84	0	2	
CUVA0095	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/20/94-07/20/94	0	1	
CUVA0096	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/02/80-08/29/80	0	3	
CUVA0098	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/12/73-08/15/91	17	6	
CUVA0099	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/30/84-09/10/87	3	8	
CUVA0100	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/02/84-09/19/84	0	5	
CUVA0101	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/02/84-09/19/84	0	5	
CUVA0103	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/20/94-07/20/94	0	1	
CUVA0105	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/20/94-07/20/94	0	1	
CUVA0106	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/02/84-09/13/84	0	4	
CUVA0108	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/02/84-09/13/84	0	4	
CUVA0109	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/20/94-07/20/94	0	1	
CUVA0112	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/94-07/19/94	0	1	
CUVA0113	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/20/94-07/20/94	0	1	
CUVA0114	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/20/94-07/20/94	0	1	
CUVA0116	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/94-07/19/94	0	1	
CUVA0122	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/30/84-09/10/87	3	8	
CUVA0125	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/94-07/19/94	0	1	
CUVA0126	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/25/84-07/24/91	6	6	
CUVA0127	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/25/84-04/09/93	8	7	
CUVA0128	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/91-09/24/91	0	6	
CUVA0130	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/94-10/03/94	0	6	
CUVA0132	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/94-07/19/94	0	1	
CUVA0133	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/84-09/05/84	0	5	
CUVA0135	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/01/76-08/29/91	15	13	
CUVA0136	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/25/84-07/24/91	6	2	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0137	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/08/73-07/24/91	17	20	
CUVA0138	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/94-10/03/94	0	6	
CUVA0139	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/08/84-09/05/84	0	3	
CUVA0141	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/02/84-09/10/87	3	8	
CUVA0142	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/84-04/23/90	5	2	
CUVA0143	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/75-08/21/75	0	1	
CUVA0144	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/75-09/05/84	9	5	
CUVA0145	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/84-09/05/84	0	5	
CUVA0147	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/94-07/19/94	0	1	
CUVA0148	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/03/87-11/03/87	0	1	
CUVA0150	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/12/73-12/12/73	0	1	
CUVA0151	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/94-07/19/94	0	1	
CUVA0153	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/94-10/03/94	0	12	
CUVA0155	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/28/82-09/22/88	5	2	
CUVA0156	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/28/82-09/22/88	5	2	
CUVA0159	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/94-10/03/94	0	6	
CUVA0162	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/02/84-10/29/87	3	8	
CUVA0163	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/94-07/19/94	0	1	
CUVA0164	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/94-10/03/94	0	6	
CUVA0165	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/30/91-07/31/91	0	2	
CUVA0166	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/26/84-08/29/91	7	9	
CUVA0167	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/75-09/11/79	4	110	
CUVA0169	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/11/83-01/11/83	0	1	
CUVA0170	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/28/85-03/28/85	0	1	
CUVA0171	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/28/85-03/28/85	0	1	
CUVA0172	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/14/78-08/29/91	12	10	
CUVA0174	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/28/85-04/14/88	3	2	
CUVA0176	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/26/84-10/02/84	0	4	
CUVA0177	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/28/85-03/28/85	0	1	
CUVA0178	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/28/85-03/28/85	0	1	
CUVA0179	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/26/84-07/31/91	7	7	
CUVA0180	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/31/84-10/31/84	0	1	
CUVA0181	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/26/84-09/26/85	1	5	
CUVA0182	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/28/73-08/29/91	18	11	
CUVA0183	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/31/84-03/28/85	0	2	
CUVA0184	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/26/84-10/02/84	0	4	
CUVA0187	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/02/84-09/24/91	7	15	
CUVA0188	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/31/91-07/31/91	0	2	
CUVA0189	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/26/84-08/29/91	7	9	
CUVA0190	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/14/75-01/14/75	0	1	
CUVA0191	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/04/76-07/31/91	14	4	
CUVA0192	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/14/74-07/28/77	2	7	
CUVA0193	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/24/75-06/18/81	5	32	
CUVA0194	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/76-08/29/91	15	7	
CUVA0195	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/14/75-01/14/75	0	1	
CUVA0196	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/26/84-10/02/84	0	4	
CUVA0197	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/26/84-10/02/84	0	4	
CUVA0198	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/22/74-07/28/77	2	7	
CUVA0202	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/06/74-12/08/92	18	65	
CUVA0203	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	20	258	T,A
CUVA0204	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/01/82-09/30/87	4	2224	
CUVA0205	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/85-04/18/85	0	1	
CUVA0206	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/06/75-11/06/75	0	1	
CUVA0207	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/85-04/18/85	0	1	
CUVA0209	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/15/87-10/29/87	0	4	
CUVA0212	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/31/90-08/22/90	0	8	
CUVA0214	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/28/73-09/12/91	18	52	
CUVA0215	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/23/84-09/26/84	0	5	
CUVA0217	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/91-09/24/91	0	3	
CUVA0218	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/09/91-09/09/91	0	1	
CUVA0219	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/27/90-09/26/90	0	4	
CUVA0221	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/90-09/26/90	0	5	
CUVA0222	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/28/90-09/26/90	0	4	
CUVA0223	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/91-09/12/91	0	1	
CUVA0224	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/23/84-09/24/91	7	23	
CUVA0225	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/15/87-10/29/87	0	3	
CUVA0226	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/15/87-09/24/91	4	17	
CUVA0115	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	06/27/94-06/28/94	0	2	
CUVA0121	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/20/93-09/23/93	0	4	
CUVA0202	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/19/85-12/15/94	9	35	
CUVA0001	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/18/78-10/18/78	0	1	
CUVA0002	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/18/86	0	5	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0003	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/16/86	0	4	
CUVA0004	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/24/86-11/04/86	0	8	
CUVA0005	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/17/86	0	4	
CUVA0006	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/16/86	0	4	
CUVA0007	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/18/91	5	10	
CUVA0008	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/24/86-11/04/86	0	8	
CUVA0009	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/16/86	0	4	
CUVA0010	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/17/73-05/14/74	0	4	
CUVA0011	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/03/76-08/19/76	0	3	
CUVA0012	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/24/86-11/04/86	0	8	
CUVA0013	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/16/86	0	4	
CUVA0014	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/04/76-08/23/76	0	4	
CUVA0015	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/17/86	0	4	
CUVA0016	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/17/86	0	4	
CUVA0017	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/17/86	0	4	
CUVA0018	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/17/73-04/02/74	0	4	
CUVA0019	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/17/86	0	4	
CUVA0020	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/17/73-06/29/77	3	11	
CUVA0021	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/16/86	0	4	
CUVA0022	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/18/86	0	5	
CUVA0023	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/16/86	0	4	
CUVA0035	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/17/86	0	4	
CUVA0037	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/18/86	0	5	
CUVA0039	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/17/86	0	4	
CUVA0040	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/18/91	5	10	
CUVA0041	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/21/86-12/08/86	0	3	
CUVA0042	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/18/86	0	5	
CUVA0043	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/18/86	0	5	
CUVA0044	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/08/73-09/18/86	13	42	
CUVA0045	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/18/73-06/29/77	3	10	
CUVA0046	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/17/86	0	4	
CUVA0048	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/17/88-08/17/88	0	1	
CUVA0051	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/18/91	17	52	
CUVA0052	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/24/91	17	56	
CUVA0053	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/10/87	13	39	
CUVA0057	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/91-09/24/91	0	6	
CUVA0061	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/30/84-09/24/84	0	5	
CUVA0062	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/10/87	13	54	
CUVA0063	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/02/73-06/29/77	3	28	
CUVA0064	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/04/78-05/04/78	0	1	
CUVA0069	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/12/74-09/24/91	17	37	
CUVA0072	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/90-08/15/90	0	1	
CUVA0073	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/24/91-09/24/91	0	1	
CUVA0074	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/04/78-09/24/91	13	5	
CUVA0075	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/90-09/24/91	1	2	
CUVA0077	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/04/78-09/24/91	13	3	
CUVA0080	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/01/88-09/24/91	3	3	
CUVA0081	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/04/78-09/24/91	13	3	
CUVA0083	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/30/84-09/24/91	7	15	
CUVA0088	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/16/73-06/29/77	3	11	
CUVA0089	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/24/91	17	68	
CUVA0091	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/14/84-09/19/84	0	2	
CUVA0096	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/02/80-08/29/80	0	3	
CUVA0098	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/30/84-08/15/91	7	5	
CUVA0099	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/30/84-09/10/87	3	8	
CUVA0100	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/02/84-09/19/84	0	5	
CUVA0101	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/02/84-09/19/84	0	5	
CUVA0106	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/02/84-09/13/84	0	4	
CUVA0108	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/02/84-09/13/84	0	4	
CUVA0122	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/30/84-09/10/87	3	8	
CUVA0126	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/25/84-07/24/91	6	6	
CUVA0127	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/25/84-07/24/91	6	5	
CUVA0128	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/91-09/24/91	0	6	
CUVA0133	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/24/84-09/05/84	0	5	
CUVA0135	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/01/76-08/29/91	15	13	
CUVA0136	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/25/84-07/24/91	6	2	
CUVA0137	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/08/73-07/24/91	17	7	
CUVA0139	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/08/84-09/05/84	0	3	
CUVA0141	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/02/84-09/10/87	3	8	
CUVA0142	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/23/90-04/23/90	0	1	
CUVA0144	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/25/84-09/05/84	0	4	
CUVA0145	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/24/84-09/05/84	0	5	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0148	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/03/87-11/03/87	0	1	
CUVA0150	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/12/73-12/12/73	0	1	
CUVA0155	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/22/88-09/22/88	0	1	
CUVA0156	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/22/88-09/22/88	0	1	
CUVA0162	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/02/84-10/29/87	3	8	
CUVA0165	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/30/91-07/31/91	0	2	
CUVA0166	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/26/84-08/29/91	7	9	
CUVA0170	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/28/85-03/28/85	0	1	
CUVA0171	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/28/85-03/28/85	0	1	
CUVA0172	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/08/84-08/29/91	7	9	
CUVA0174	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/28/85-04/14/88	3	2	
CUVA0176	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/26/84-10/02/84	0	4	
CUVA0177	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/28/85-03/28/85	0	1	
CUVA0178	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/28/85-03/28/85	0	1	
CUVA0179	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/26/84-07/31/91	7	7	
CUVA0180	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/31/84-10/31/84	0	1	
CUVA0181	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/08/84-09/26/85	1	4	
CUVA0182	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/10/91-08/29/91	0	3	
CUVA0183	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/31/84-03/28/85	0	2	
CUVA0184	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/08/84-10/02/84	0	3	
CUVA0187	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/02/84-09/24/91	7	15	
CUVA0188	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/31/91-07/31/91	0	2	
CUVA0189	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/08/84-08/29/91	7	8	
CUVA0191	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/04/76-07/31/91	14	3	
CUVA0192	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/09/73-07/28/77	4	12	
CUVA0193	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/24/75-06/18/81	5	25	
CUVA0194	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/76-08/29/91	15	6	
CUVA0196	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/08/84-10/02/84	0	3	
CUVA0197	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/08/84-10/02/84	0	3	
CUVA0198	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/13/73-07/28/77	3	11	
CUVA0202	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/73-12/08/92	19	42	
CUVA0203	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	19	184	A
CUVA0205	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/85-04/18/85	0	1	
CUVA0207	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/85-04/18/85	0	1	
CUVA0209	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/15/87-10/29/87	0	4	
CUVA0212	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/31/90-08/22/90	0	8	
CUVA0214	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/06/75-09/12/91	16	34	
CUVA0215	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/23/84-09/26/84	0	5	
CUVA0217	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/24/91-09/24/91	0	3	
CUVA0218	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/09/91-09/09/91	0	1	
CUVA0219	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/27/90-09/26/90	0	4	
CUVA0221	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/21/90-09/26/90	0	5	
CUVA0222	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/28/90-09/26/90	0	4	
CUVA0223	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/91-09/12/91	0	1	
CUVA0224	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/23/84-09/24/91	7	23	
CUVA0225	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/15/87-10/29/87	0	3	
CUVA0226	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/15/87-09/24/91	4	17	
CUVA0010	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/20/72-06/19/73	1	7	
CUVA0018	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/20/72-06/19/73	1	7	
CUVA0020	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/20/72-06/19/73	1	7	
CUVA0063	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/01/71-07/19/73	1	44	
CUVA0192	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/10/72-03/05/73	1	6	
CUVA0198	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/17/72-06/15/73	1	6	
CUVA0202	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/12/71-11/19/85	14	45	
CUVA0010	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/17/73-05/14/74	0	4	
CUVA0011	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/03/76-08/19/76	0	3	
CUVA0014	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/04/76-08/23/76	0	4	
CUVA0018	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/17/73-04/02/74	0	4	
CUVA0020	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/17/73-06/29/77	3	11	
CUVA0045	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/18/73-06/29/77	3	10	
CUVA0063	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/02/73-06/29/77	3	28	
CUVA0088	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/16/73-06/29/77	3	11	
CUVA0096	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/02/80-08/29/80	0	3	
CUVA0135	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/08/89-08/09/89	0	2	
CUVA0192	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/09/73-07/28/77	4	12	
CUVA0198	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/13/73-07/28/77	3	11	
CUVA0202	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/15/73-09/11/74	1	31	
CUVA0203	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/18/88-07/18/88	0	1	
CUVA0202	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/12/77-08/12/81	3	33	
CUVA0202	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	02/16/78-08/12/81	3	30	
CUVA0001	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/18/78-10/18/78	0	1	
CUVA0002	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/86-09/18/86	0	5	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0003	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/86-09/16/86	0	4	
CUVA0004	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/24/86-11/04/86	0	8	
CUVA0005	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0006	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/16/86	0	5	
CUVA0007	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/18/91	5	11	
CUVA0008	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/24/86-11/04/86	0	8	
CUVA0009	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/16/86	0	5	
CUVA0011	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/03/76-08/19/76	0	3	
CUVA0012	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/24/86-11/04/86	0	8	
CUVA0013	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/16/86	0	5	
CUVA0014	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/04/76-08/23/76	0	4	
CUVA0015	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0016	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0017	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0019	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0021	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/16/86	0	5	
CUVA0022	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/86-09/18/86	0	5	
CUVA0023	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/16/86	0	5	
CUVA0035	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0037	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/86-09/18/86	0	5	
CUVA0039	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0040	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/18/91	5	11	
CUVA0041	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/21/86-12/08/86	0	3	
CUVA0042	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/86-09/18/86	0	5	
CUVA0043	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/86-09/18/86	0	5	
CUVA0044	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/08/73-09/18/86	13	61	
CUVA0046	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0048	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/17/88-08/17/88	0	1	
CUVA0051	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/86-09/18/91	5	10	
CUVA0052	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/84-09/24/91	7	19	
CUVA0053	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/27/75-09/10/87	12	10	
CUVA0057	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/11/91-09/24/91	0	6	
CUVA0061	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/84-09/24/84	0	5	
CUVA0062	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/27/75-09/10/87	12	15	
CUVA0064	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/04/78-05/04/78	0	1	
CUVA0066	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/12/73-07/02/75	1	2	
CUVA0069	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/21/84-09/24/91	7	9	
CUVA0072	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/15/90-08/15/90	0	1	
CUVA0073	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/24/91-09/24/91	0	1	
CUVA0074	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/04/78-09/24/91	13	5	
CUVA0075	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/15/90-09/24/91	1	2	
CUVA0077	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/04/78-09/24/91	13	3	
CUVA0080	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/01/88-09/24/91	3	3	
CUVA0081	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/04/78-09/24/91	13	3	
CUVA0083	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/84-08/28/91	7	14	
CUVA0084	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/12/73-12/12/73	0	1	
CUVA0085	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/26/86-07/14/93	7	14	
CUVA0087	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/87-07/14/93	6	10	
CUVA0089	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/10/75-09/24/91	16	15	
CUVA0090	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/15/93-01/05/94	0	5	
CUVA0091	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/14/84-09/19/84	0	2	
CUVA0093	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/02/80-08/29/80	0	2	
CUVA0095	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/26/86-07/28/93	7	13	
CUVA0096	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/02/80-08/29/80	0	3	
CUVA0098	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/12/73-08/15/91	17	6	
CUVA0099	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/84-09/10/87	3	8	
CUVA0100	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/02/84-09/19/84	0	5	
CUVA0101	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/02/84-09/19/84	0	5	
CUVA0103	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/22/93	8	14	
CUVA0105	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/22/93	8	14	
CUVA0106	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/02/84-09/13/84	0	4	
CUVA0107	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/87-07/14/93	6	9	
CUVA0108	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/02/84-09/13/84	0	4	
CUVA0109	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/22/93	8	14	
CUVA0112	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/22/93	8	13	
CUVA0113	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/14/93	8	11	
CUVA0114	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/29/92	7	11	
CUVA0115	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/27/94-06/28/94	0	2	
CUVA0118	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/87-07/28/93	6	9	
CUVA0120	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/15/93-01/05/94	0	6	
CUVA0121	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/20/93-09/23/93	0	4	
CUVA0122	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/84-09/10/87	3	8	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0125	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/14/93	8	13	
CUVA0126	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/25/84-07/24/91	6	6	
CUVA0127	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/25/84-07/24/91	6	5	
CUVA0128	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/11/91-09/24/91	0	6	
CUVA0130	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/15/87-07/28/93	6	11	
CUVA0132	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/26/86-07/21/93	7	13	
CUVA0133	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/84-09/05/84	0	5	
CUVA0135	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/01/76-08/29/91	15	13	
CUVA0136	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/25/84-07/24/91	6	2	
CUVA0137	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/08/73-07/24/91	17	20	
CUVA0138	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/02/86-07/22/93	7	12	
CUVA0139	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/08/84-09/05/84	0	3	
CUVA0141	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/02/84-09/10/87	3	8	
CUVA0142	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/84-04/23/90	5	2	
CUVA0143	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/21/75-08/21/75	0	1	
CUVA0144	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/21/75-09/05/84	9	5	
CUVA0145	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/84-09/05/84	0	5	
CUVA0147	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/15/87-07/28/93	6	11	
CUVA0148	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/03/87-11/03/87	0	1	
CUVA0150	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/12/73-12/12/73	0	1	
CUVA0151	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/02/86-07/28/93	7	13	
CUVA0153	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/15/87-01/05/94	6	17	
CUVA0155	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/28/82-09/22/88	5	2	
CUVA0156	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/28/82-09/22/88	5	2	
CUVA0159	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/02/86-07/28/93	7	13	
CUVA0162	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/02/84-10/29/87	3	8	
CUVA0163	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/15/87-07/14/93	6	11	
CUVA0164	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/02/86-07/28/93	7	14	
CUVA0165	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/91-07/31/91	0	2	
CUVA0166	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/26/84-08/29/91	7	9	
CUVA0167	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/75-09/11/79	4	110	
CUVA0169	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/11/83-01/11/83	0	1	
CUVA0170	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/28/85-03/28/85	0	1	
CUVA0171	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/28/85-03/28/85	0	1	
CUVA0172	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/14/78-08/29/91	12	10	
CUVA0174	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/28/85-04/14/88	3	2	
CUVA0176	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/26/84-10/02/84	0	4	
CUVA0177	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/28/85-03/28/85	0	1	
CUVA0178	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/28/85-08/14/91	6	2	
CUVA0179	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/26/84-07/31/91	7	7	
CUVA0180	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/31/84-10/31/84	0	1	
CUVA0181	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/26/84-09/26/85	1	5	
CUVA0182	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/73-08/29/91	18	11	
CUVA0183	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/31/84-03/28/85	0	2	
CUVA0184	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/26/84-10/02/84	0	4	
CUVA0187	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/02/84-09/05/91	7	14	
CUVA0188	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/31/91-07/31/91	0	2	
CUVA0189	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/26/84-08/29/91	7	9	
CUVA0190	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/14/75-01/14/75	0	1	
CUVA0191	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/91-07/31/91	0	2	
CUVA0193	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/24/75-06/18/81	5	31	
CUVA0194	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/10/91-08/29/91	0	5	
CUVA0195	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/14/75-01/14/75	0	1	
CUVA0196	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/26/84-10/02/84	0	4	
CUVA0197	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/26/84-10/02/84	0	4	
CUVA0202	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	20	2823	T,A
CUVA0203	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	20	250	T,A
CUVA0204	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/04/81-09/30/87	5	2757	
CUVA0205	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/85-04/18/85	0	1	
CUVA0206	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/06/75-11/06/75	0	1	
CUVA0207	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/85-04/18/85	0	1	
CUVA0209	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/15/87-10/29/87	0	4	
CUVA0212	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/31/90-08/22/90	0	8	
CUVA0214	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/73-09/12/91	18	51	
CUVA0215	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/23/84-09/26/84	0	5	
CUVA0217	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/91-09/24/91	0	3	
CUVA0218	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/09/91-09/09/91	0	1	
CUVA0219	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/27/90-09/26/90	0	3	
CUVA0221	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/90-09/26/90	0	3	
CUVA0222	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/90-09/26/90	0	3	
CUVA0223	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/91-09/12/91	0	1	
CUVA0224	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/23/84-09/24/91	7	22	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0225	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/15/87-10/29/87	0	3	
CUVA0226	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/15/87-09/24/91	4	16	
CUVA0001	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/18/78-10/18/78	0	1	
CUVA0002	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/22/86-09/18/86	0	5	
CUVA0003	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/16/86	0	5	
CUVA0004	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/24/86-11/04/86	0	8	
CUVA0005	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0006	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/16/86	0	5	
CUVA0007	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/18/91	5	11	
CUVA0008	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/24/86-11/04/86	0	8	
CUVA0009	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/16/86	0	5	
CUVA0010	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/17/73-05/14/74	0	4	
CUVA0011	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/03/76-08/19/76	0	3	
CUVA0012	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/24/86-11/04/86	0	8	
CUVA0013	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/16/86	0	5	
CUVA0014	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/04/76-08/23/76	0	4	
CUVA0015	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0016	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0017	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0018	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/17/73-04/02/74	0	4	
CUVA0019	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0020	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/17/73-06/29/77	3	11	
CUVA0021	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/16/86	0	5	
CUVA0022	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/22/86-09/18/86	0	5	
CUVA0023	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/16/86	0	5	
CUVA0035	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0037	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/22/86-09/18/86	0	5	
CUVA0039	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0040	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/18/91	5	11	
CUVA0041	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/86-12/08/86	0	3	
CUVA0042	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/22/86-09/18/86	0	5	
CUVA0043	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/22/86-09/18/86	0	5	
CUVA0044	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/08/73-09/18/86	13	60	
CUVA0045	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/18/73-06/29/77	3	10	
CUVA0046	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/17/86	0	5	
CUVA0048	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/17/88-08/17/88	0	1	
CUVA0051	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/25/74-09/18/91	17	53	
CUVA0052	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/25/74-09/24/91	17	57	
CUVA0053	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/25/74-09/10/87	13	42	
CUVA0057	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/11/91-09/24/91	0	6	
CUVA0061	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/30/84-09/24/84	0	5	
CUVA0062	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/31/73-09/10/87	13	61	
CUVA0063	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/02/73-06/29/77	3	28	
CUVA0064	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/04/78-05/04/78	0	1	
CUVA0066	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/12/73-07/02/75	1	2	
CUVA0069	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/12/74-09/24/91	17	38	
CUVA0072	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/90-08/15/90	0	1	
CUVA0073	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/24/91-09/24/91	0	1	
CUVA0074	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/04/78-09/24/91	13	5	
CUVA0075	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/90-09/24/91	1	2	
CUVA0077	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/04/78-09/24/91	13	3	
CUVA0080	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/01/88-09/24/91	3	3	
CUVA0081	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/04/78-09/24/91	13	3	
CUVA0083	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/30/84-09/24/91	7	15	
CUVA0084	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/12/73-12/12/73	0	1	
CUVA0088	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/16/73-06/29/77	3	11	
CUVA0089	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/25/74-09/24/91	17	72	
CUVA0091	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/14/84-09/19/84	0	2	
CUVA0093	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/02/80-08/29/80	0	2	
CUVA0096	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/02/80-08/29/80	0	3	
CUVA0098	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/12/73-08/15/91	17	6	
CUVA0099	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/30/84-09/10/87	3	8	
CUVA0100	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/02/84-09/19/84	0	5	
CUVA0101	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/02/84-09/19/84	0	5	
CUVA0106	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/02/84-09/13/84	0	4	
CUVA0108	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/02/84-09/13/84	0	4	
CUVA0122	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/30/84-09/10/87	3	8	
CUVA0126	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/25/84-07/24/91	6	6	
CUVA0127	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/25/84-04/09/93	8	6	
CUVA0128	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/11/91-09/24/91	0	6	
CUVA0133	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/24/84-09/05/84	0	5	
CUVA0135	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/01/76-07/31/91	14	12	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0136	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/25/84-07/24/91	6	2	
CUVA0137	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/08/73-07/24/91	17	19	
CUVA0139	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/08/84-09/05/84	0	3	
CUVA0141	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/02/84-09/10/87	3	8	
CUVA0142	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/24/84-04/23/90	5	2	
CUVA0143	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/75-08/21/75	0	1	
CUVA0144	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/75-09/05/84	9	5	
CUVA0145	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/24/84-09/05/84	0	5	
CUVA0148	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/03/87-11/03/87	0	1	
CUVA0150	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/12/73-12/12/73	0	1	
CUVA0155	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/28/82-09/22/88	5	2	
CUVA0156	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/28/82-09/22/88	5	2	
CUVA0162	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/02/84-10/29/87	3	8	
CUVA0165	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/30/91-07/31/91	0	2	
CUVA0166	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/26/84-08/29/91	7	9	
CUVA0167	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/75-09/11/79	4	110	
CUVA0169	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/11/83-01/11/83	0	1	
CUVA0170	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/28/85-03/28/85	0	1	
CUVA0171	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/28/85-03/28/85	0	1	
CUVA0172	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/26/84-08/29/91	7	9	
CUVA0174	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/28/85-04/14/88	3	2	
CUVA0176	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/26/84-10/02/84	0	4	
CUVA0177	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/28/85-03/28/85	0	1	
CUVA0178	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/28/85-03/28/85	0	1	
CUVA0179	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/26/84-07/31/91	7	7	
CUVA0180	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/31/84-10/31/84	0	1	
CUVA0181	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/26/84-09/26/85	1	5	
CUVA0182	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/28/73-08/29/91	18	11	
CUVA0183	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/31/84-03/28/85	0	2	
CUVA0184	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/26/84-10/02/84	0	4	
CUVA0187	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/02/84-09/24/91	7	15	
CUVA0188	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/31/91-07/31/91	0	2	
CUVA0189	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/26/84-08/29/91	7	9	
CUVA0190	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/14/75-01/14/75	0	1	
CUVA0191	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/04/76-07/31/91	14	3	
CUVA0192	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/73-07/28/77	4	12	
CUVA0193	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/24/75-06/18/81	5	31	
CUVA0194	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/07/76-08/29/91	15	6	
CUVA0195	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/14/75-01/14/75	0	1	
CUVA0196	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/26/84-10/02/84	0	4	
CUVA0197	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/26/84-10/02/84	0	4	
CUVA0198	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/13/73-07/28/77	3	11	
CUVA0202	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/73-12/08/92	19	94	
CUVA0203	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	20	259	T,A
CUVA0205	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/18/85-04/18/85	0	1	
CUVA0206	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/06/75-11/06/75	0	1	
CUVA0207	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/18/85-04/18/85	0	1	
CUVA0209	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/15/87-10/29/87	0	4	
CUVA0212	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/31/90-08/22/90	0	8	
CUVA0214	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/28/73-09/12/91	18	51	
CUVA0215	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/23/84-09/26/84	0	5	
CUVA0217	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/24/91-09/24/91	0	3	
CUVA0218	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/09/91-09/09/91	0	1	
CUVA0219	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/90-09/26/90	0	4	
CUVA0221	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/90-09/26/90	0	5	
CUVA0222	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/28/90-09/26/90	0	4	
CUVA0223	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/12/91-09/12/91	0	1	
CUVA0224	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/23/84-09/24/91	7	23	
CUVA0225	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/15/87-10/29/87	0	3	
CUVA0226	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/15/87-09/24/91	4	17	
CUVA0115	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/27/94-06/28/94	0	2	
CUVA0121	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/20/93-09/23/93	0	4	
CUVA0202	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/03/79-12/15/94	15	2780	A
CUVA0204	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/04/81-09/30/87	5	2762	
CUVA0044	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/24/75-12/24/75	0	1	
CUVA0051	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/10/73-10/18/74	0	48	
CUVA0052	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/10/73-01/28/75	1	83	
CUVA0053	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	01/25/74-12/27/74	0	38	
CUVA0062	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/10/73-07/25/74	0	58	
CUVA0066	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/12/73-12/12/73	0	1	
CUVA0069	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/03/74-01/31/75	0	44	
CUVA0089	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/10/73-01/31/75	1	114	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0096	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/02/80-08/29/80	0	3	
CUVA0167	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/17/79-06/26/79	0	6	
CUVA0182	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/28/73-10/17/73	0	7	
CUVA0193	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/24/75-12/24/75	0	1	
CUVA0202	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/08/79-06/14/79	0	2	
CUVA0203	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/21/73-12/24/75	2	3	
CUVA0214	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/28/73-10/17/73	0	7	
CUVA0044	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/29/76-03/25/76	0	3	
CUVA0062	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/10/75-04/10/75	0	1	
CUVA0089	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/10/75-04/10/75	0	1	
CUVA0193	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/29/76-03/25/76	0	3	
CUVA0202	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/28/81-02/15/83	1	8	
CUVA0203	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	05/08/75-03/25/76	0	4	
CUVA0214	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	02/06/75-02/06/75	0	1	
CUVA0001	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/18/78-10/18/78	0	1	
CUVA0002	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/22/86-09/18/86	0	5	
CUVA0003	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/16/86	0	5	
CUVA0004	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/24/86-11/04/86	0	8	
CUVA0005	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/17/86	0	5	
CUVA0006	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/16/86	0	5	
CUVA0007	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/18/91	5	11	
CUVA0008	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/24/86-11/04/86	0	8	
CUVA0009	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/22/86-09/16/86	0	4	
CUVA0010	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/24/72-08/17/73	0	2	
CUVA0011	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/03/76-08/19/76	0	3	
CUVA0012	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/24/86-11/04/86	0	8	
CUVA0013	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/16/86	0	4	
CUVA0014	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/04/76-08/23/76	0	4	
CUVA0015	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/17/86	0	5	
CUVA0016	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/17/86	0	5	
CUVA0017	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/17/86	0	5	
CUVA0018	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/15/72-08/17/73	0	2	
CUVA0019	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/17/86	0	5	
CUVA0020	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/24/72-06/29/77	4	9	
CUVA0021	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/16/86	0	5	
CUVA0022	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/22/86-09/18/86	0	5	
CUVA0023	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/16/86	0	5	
CUVA0035	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/17/86	0	5	
CUVA0037	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/22/86-09/18/86	0	5	
CUVA0039	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/17/86	0	5	
CUVA0040	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/18/91	5	11	
CUVA0041	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/21/86-12/08/86	0	3	
CUVA0042	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/22/86-09/18/86	0	5	
CUVA0043	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/22/86-09/18/86	0	5	
CUVA0044	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/08/73-09/18/86	13	61	
CUVA0045	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/10/74-06/29/77	2	7	
CUVA0046	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/17/86	0	5	
CUVA0051	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/12/86-09/18/91	5	10	
CUVA0052	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/84-09/24/91	7	19	
CUVA0053	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/27/75-07/02/91	16	38	
CUVA0057	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/91-09/24/91	0	6	
CUVA0061	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/84-09/24/84	0	5	
CUVA0062	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/31/73-09/10/87	13	20	
CUVA0063	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/10/74-06/29/77	2	7	
CUVA0064	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/04/78-05/04/78	0	1	
CUVA0066	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/12/73-07/02/75	1	2	
CUVA0069	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/21/84-09/24/91	7	9	
CUVA0073	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/24/91-09/24/91	0	1	
CUVA0074	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/04/78-09/24/91	13	4	
CUVA0075	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/24/91-09/24/91	0	1	
CUVA0077	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/04/78-09/24/91	13	3	
CUVA0078	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/22/72-06/22/72	0	1	
CUVA0079	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/22/72-06/22/72	0	1	
CUVA0080	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/01/88-09/24/91	3	2	
CUVA0081	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/04/78-09/24/91	13	3	
CUVA0083	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/84-08/28/91	7	14	
CUVA0084	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/12/73-12/12/73	0	1	
CUVA0085	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/86-07/20/94	8	15	
CUVA0087	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/16/87-07/20/94	7	11	
CUVA0088	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/16/73-06/29/77	3	8	
CUVA0089	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/26/74-09/24/91	16	17	
CUVA0090	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/93-10/03/94	1	11	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0091	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/84-09/19/84	0	2	
CUVA0093	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/02/80-08/29/80	0	2	
CUVA0095	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/86-07/20/94	8	14	
CUVA0096	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/02/80-08/29/80	0	4	
CUVA0098	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/12/73-08/15/91	17	6	
CUVA0099	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/84-09/10/87	3	8	
CUVA0100	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/02/84-09/19/84	0	5	
CUVA0101	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/02/84-09/19/84	0	5	
CUVA0103	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/20/94	9	15	
CUVA0105	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/20/94	9	14	
CUVA0106	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/02/84-09/13/84	0	4	
CUVA0107	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/16/87-07/14/93	6	9	
CUVA0108	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/02/84-09/13/84	0	4	
CUVA0109	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/20/94	9	15	
CUVA0112	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/19/94	9	14	
CUVA0113	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/20/94	9	12	
CUVA0114	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/29/92	7	11	
CUVA0115	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/27/94-06/28/94	0	2	
CUVA0116	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/94-07/19/94	0	1	
CUVA0118	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/16/87-07/28/93	6	9	
CUVA0120	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/93-01/05/94	0	6	
CUVA0122	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/84-09/10/87	3	8	
CUVA0125	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/14/93	8	13	
CUVA0126	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/84-07/24/91	6	5	
CUVA0127	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/84-04/09/93	8	6	
CUVA0128	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/91-09/24/91	0	6	
CUVA0130	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/87-10/03/94	7	17	
CUVA0132	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/86-07/19/94	8	14	
CUVA0133	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/84-09/05/84	0	5	
CUVA0135	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/84-08/29/91	7	7	
CUVA0136	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/84-07/24/91	6	2	
CUVA0137	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/08/73-07/24/91	17	20	
CUVA0138	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/02/86-10/03/94	8	17	
CUVA0139	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/08/84-09/05/84	0	3	
CUVA0141	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/02/84-09/10/87	3	8	
CUVA0142	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/84-04/23/90	5	2	
CUVA0143	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/21/75-08/21/75	0	1	
CUVA0144	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/21/75-09/05/84	9	5	
CUVA0145	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/84-09/05/84	0	5	
CUVA0147	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/87-07/19/94	7	12	
CUVA0148	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/03/87-11/03/87	0	1	
CUVA0150	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/12/73-12/12/73	0	1	
CUVA0151	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/02/86-07/19/94	8	14	
CUVA0153	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/87-10/03/94	7	29	
CUVA0155	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/28/82-09/22/88	5	2	
CUVA0156	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/28/82-09/22/88	5	2	
CUVA0159	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/02/86-10/03/94	8	19	
CUVA0162	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/02/84-10/29/87	3	8	
CUVA0163	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/87-07/19/94	7	12	
CUVA0164	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/02/86-10/03/94	8	20	
CUVA0166	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/84-08/29/91	7	9	
CUVA0167	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/75-09/11/79	4	110	
CUVA0169	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/11/83-01/11/83	0	1	
CUVA0170	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/28/85-03/28/85	0	1	
CUVA0171	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/28/85-03/28/85	0	1	
CUVA0172	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/14/78-08/29/91	12	10	
CUVA0174	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/28/85-04/14/88	3	2	
CUVA0176	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/84-10/02/84	0	4	
CUVA0177	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/28/85-03/28/85	0	1	
CUVA0178	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/28/85-03/28/85	0	1	
CUVA0179	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/84-09/26/85	1	5	
CUVA0180	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/31/84-10/31/84	0	1	
CUVA0181	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/84-09/26/85	1	5	
CUVA0182	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/27/75-08/29/91	16	4	
CUVA0183	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/31/84-03/28/85	0	2	
CUVA0184	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/84-10/02/84	0	4	
CUVA0187	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/02/84-09/05/91	7	14	
CUVA0188	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/31/91-07/31/91	0	2	
CUVA0189	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/84-08/29/91	7	7	
CUVA0190	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/14/75-01/14/75	0	1	
CUVA0191	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/13/76-10/13/76	0	1	
CUVA0192	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/18/72-07/28/77	4	9	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0193	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/24/75-06/18/81	5	33	
CUVA0194	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/13/76-08/29/91	14	4	
CUVA0195	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/14/75-01/14/75	0	1	
CUVA0196	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/84-10/02/84	0	4	
CUVA0197	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/84-10/02/84	0	4	
CUVA0198	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/20/72-07/28/77	4	9	
CUVA0202	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	20	2830	T,A
CUVA0203	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	20	255	T,A
CUVA0204	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/04/81-09/30/87	5	2752	
CUVA0205	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/85-04/18/85	0	1	
CUVA0206	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/06/75-11/06/75	0	1	
CUVA0207	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/85-04/18/85	0	1	
CUVA0209	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/87-10/29/87	0	4	
CUVA0212	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/31/90-08/22/90	0	8	
CUVA0214	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/14/74-09/12/91	17	43	
CUVA0215	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/23/84-09/26/84	0	5	
CUVA0217	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/91-09/24/91	0	3	
CUVA0218	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/09/91-09/09/91	0	1	
CUVA0219	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/27/90-09/26/90	0	3	
CUVA0221	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/27/90-09/26/90	0	4	
CUVA0222	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/28/90-09/26/90	0	3	
CUVA0223	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/12/91-09/12/91	0	1	
CUVA0224	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/23/84-09/24/91	7	22	
CUVA0225	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/15/87-10/29/87	0	3	
CUVA0226	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/87-09/24/91	4	16	
CUVA0044	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/01/77-07/21/77	0	2	
CUVA0078	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/22/72-06/22/72	0	1	
CUVA0079	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/22/72-06/22/72	0	1	
CUVA0193	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/27/77-07/21/77	0	5	
CUVA0202	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/12/77-12/15/94	17	86	
CUVA0203	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/30/77-03/25/82	4	37	
CUVA0078	No	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	06/22/72-06/22/72	0	1	
CUVA0079	No	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	06/22/72-06/22/72	0	1	
CUVA0078	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/22/72-06/22/72	0	1	
CUVA0079	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/22/72-06/22/72	0	1	
CUVA0115	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/27/94-06/28/94	0	2	
CUVA0202	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/28/81-12/15/94	13	53	
CUVA0204	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/04/81-09/30/87	5	2735	
CUVA0078	No	00674	PHOSPHORUS, SUSPENDED ORTHOPHOSPHATE (MG/L AS P)	06/22/72-06/22/72	0	1	
CUVA0079	No	00674	PHOSPHORUS, SUSPENDED ORTHOPHOSPHATE (MG/L AS P)	06/22/72-06/22/72	0	1	
CUVA0011	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/03/76-08/19/76	0	3	
CUVA0014	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/04/76-08/23/76	0	4	
CUVA0020	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/20/75-06/29/77	1	5	
CUVA0044	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/03/73-12/20/79	6	29	
CUVA0045	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/22/75-06/29/77	1	5	
CUVA0053	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/27/75-03/27/75	0	1	
CUVA0062	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/31/73-03/27/75	1	5	
CUVA0063	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/15/70-06/29/77	6	11	
CUVA0066	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/02/75-07/02/75	0	1	
CUVA0088	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/75-06/29/77	1	5	
CUVA0089	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/26/74-01/09/75	0	2	
CUVA0093	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/02/80-08/29/80	0	2	
CUVA0096	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/02/80-08/29/80	0	4	
CUVA0115	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/27/94-06/29/94	0	3	
CUVA0121	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/20/93-09/23/93	0	4	
CUVA0135	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/72-11/07/72	0	1	
CUVA0137	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/03/73-08/06/75	1	5	
CUVA0167	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/09/75-09/11/79	4	107	
CUVA0182	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/27/75-03/27/75	0	1	
CUVA0190	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/14/75-01/14/75	0	1	
CUVA0192	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/13/75-07/28/77	1	5	
CUVA0193	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/24/75-09/29/77	1	20	
CUVA0195	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/14/75-01/14/75	0	1	
CUVA0198	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/13/75-07/28/77	1	5	
CUVA0202	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/15/70-08/12/81	10	36	
CUVA0203	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/07/73-09/25/90	17	92	
CUVA0212	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/31/90-08/22/90	0	8	
CUVA0214	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/28/74-09/25/90	16	17	
CUVA0219	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/27/90-09/26/90	0	4	
CUVA0221	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/90-09/26/90	0	5	
CUVA0222	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/28/90-09/26/90	0	4	
CUVA0224	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/31/90-09/25/90	0	11	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0226	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/31/90-09/25/90	0	6	
CUVA0202	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/12/77-04/01/81	3	10	
CUVA0203	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	03/20/80-08/05/81	1	5	
CUVA0063	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	06/08/73-06/08/73	0	1	
CUVA0202	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	06/07/73-06/07/73	0	1	
CUVA0202	No	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	10/12/77-04/01/81	3	11	
CUVA0001	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	10/18/78-10/18/78	0	1	
CUVA0007	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/11/91-09/18/91	0	6	
CUVA0040	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/11/91-09/18/91	0	6	
CUVA0041	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/27/86-08/27/86	0	1	
CUVA0044	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/29/73-06/18/80	6	20	
CUVA0051	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/11/91-09/18/91	0	6	
CUVA0052	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/30/84-09/24/91	7	11	
CUVA0057	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/11/91-09/24/91	0	6	
CUVA0060	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/07/72-11/07/72	0	1	
CUVA0062	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	12/26/74-09/24/84	9	5	
CUVA0066	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/02/75-07/02/75	0	1	
CUVA0069	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/11/91-09/24/91	0	6	
CUVA0070	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/07/72-11/07/72	0	1	
CUVA0072	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/15/90-08/15/90	0	1	
CUVA0073	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/24/91-09/24/91	0	1	
CUVA0074	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/24/91-09/24/91	0	1	
CUVA0075	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/24/91-09/24/91	0	1	
CUVA0076	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/07/72-11/07/72	0	1	
CUVA0077	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/24/91-09/24/91	0	1	
CUVA0080	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/24/91-09/24/91	0	1	
CUVA0081	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/24/91-09/24/91	0	1	
CUVA0082	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/07/72-11/07/72	0	1	
CUVA0083	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/30/84-09/24/91	7	8	
CUVA0089	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	12/26/74-09/24/91	16	7	
CUVA0128	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/11/91-09/24/91	0	6	
CUVA0135	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/01/76-10/02/84	8	6	
CUVA0166	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	10/02/84-10/02/84	0	1	
CUVA0170	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	03/28/85-03/28/85	0	1	
CUVA0171	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	03/28/85-03/28/85	0	1	
CUVA0172	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	12/14/78-12/14/78	0	1	
CUVA0174	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	03/28/85-03/28/85	0	1	
CUVA0177	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	03/28/85-03/28/85	0	1	
CUVA0178	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	03/28/85-03/28/85	0	1	
CUVA0180	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	10/31/84-10/31/84	0	1	
CUVA0181	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/26/84-09/26/85	1	5	
CUVA0182	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	03/27/75-03/27/75	0	1	
CUVA0183	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	10/31/84-03/28/85	0	2	
CUVA0187	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/11/91-09/24/91	0	6	
CUVA0189	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/26/84-10/02/84	0	3	
CUVA0191	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/04/76-08/04/76	0	1	
CUVA0193	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	12/24/75-06/18/80	4	13	
CUVA0194	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	03/07/76-08/04/76	0	2	
CUVA0203	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	20	159	T,A
CUVA0213	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/07/72-11/07/72	0	1	
CUVA0214	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	03/28/74-09/26/91	17	12	
CUVA0215	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/23/84-09/26/84	0	5	
CUVA0216	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/07/72-11/07/72	0	1	
CUVA0217	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/24/91-09/24/91	0	3	
CUVA0220	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/07/72-11/07/72	0	1	
CUVA0221	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/25/90-09/26/90	0	2	
CUVA0224	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/23/84-09/24/91	7	12	
CUVA0225	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/23/87-09/23/87	0	1	
CUVA0226	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/15/87-09/24/91	4	11	
CUVA0227	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/25/69-09/25/69	0	1	
CUVA0228	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/16/69-09/22/69	0	4	
CUVA0001	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/18/78-10/18/78	0	1	
CUVA0002	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/86-09/18/86	0	5	
CUVA0003	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/16/86	0	5	
CUVA0004	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/24/86-11/04/86	0	8	
CUVA0005	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/17/86	0	5	
CUVA0006	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/16/86	0	5	
CUVA0007	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/18/91	5	11	
CUVA0008	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/24/86-11/04/86	0	8	
CUVA0009	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/16/86	0	5	
CUVA0010	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/08/65-05/14/74	8	18	
CUVA0011	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/03/76-05/03/76	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0012	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/24/86-11/04/86	0	8	
CUVA0013	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/16/86	0	5	
CUVA0014	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/04/76-05/04/76	0	1	
CUVA0015	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/17/86	0	5	
CUVA0016	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/17/86	0	5	
CUVA0017	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/17/86	0	5	
CUVA0018	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/08/65-04/02/74	8	18	
CUVA0019	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/17/86	0	5	
CUVA0020	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/08/65-06/29/77	11	24	
CUVA0021	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/16/86	0	5	
CUVA0022	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/86-09/18/86	0	5	
CUVA0023	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/16/86	0	5	
CUVA0035	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/17/86	0	5	
CUVA0037	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/86-09/18/86	0	5	
CUVA0039	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/17/86	0	5	
CUVA0040	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/18/91	5	11	
CUVA0041	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/21/86-12/08/86	0	3	
CUVA0042	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/86-09/18/86	0	5	
CUVA0043	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/86-09/18/86	0	5	
CUVA0044	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/26/74-09/18/86	11	42	
CUVA0045	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/28/74-06/29/77	3	9	
CUVA0046	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/17/86	0	4	
CUVA0048	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/17/88-08/17/88	0	1	
CUVA0051	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/86-09/18/91	5	11	
CUVA0052	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/84-09/24/91	7	19	
CUVA0053	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/27/75-09/10/87	12	6	
CUVA0057	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/91-09/24/91	0	6	
CUVA0061	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/84-09/24/84	0	5	
CUVA0062	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/26/74-10/24/89	14	24	
CUVA0063	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-06/29/77	12	92	
CUVA0064	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/04/78-05/04/78	0	1	
CUVA0066	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/02/75-07/02/75	0	1	
CUVA0069	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/91-09/24/91	0	6	
CUVA0073	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/24/91-09/24/91	0	1	
CUVA0074	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/04/78-09/24/91	13	3	
CUVA0075	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/24/91-09/24/91	0	1	
CUVA0077	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/04/78-09/24/91	13	2	
CUVA0080	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/24/91-09/24/91	0	1	
CUVA0081	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/04/78-09/24/91	13	2	
CUVA0083	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/84-09/24/91	7	11	
CUVA0085	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/10/86-09/09/93	6	10	
CUVA0087	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/87-09/09/93	6	9	
CUVA0088	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/09/74-06/29/77	3	9	
CUVA0089	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/26/74-09/24/91	16	23	
CUVA0090	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/15/93-01/05/94	0	3	
CUVA0095	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/10/86-09/30/93	7	10	
CUVA0096	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/02/80-06/02/80	0	1	
CUVA0098	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/15/91-08/15/91	0	1	
CUVA0099	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/84-10/24/89	5	13	
CUVA0100	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/02/84-09/13/84	0	4	
CUVA0101	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/02/84-09/19/84	0	5	
CUVA0103	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/18/86-09/30/93	7	9	
CUVA0105	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/18/86-09/30/93	7	9	
CUVA0106	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/02/84-09/13/84	0	4	
CUVA0107	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/87-09/09/93	6	9	
CUVA0108	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/02/84-09/13/84	0	4	
CUVA0109	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/18/86-09/30/93	7	9	
CUVA0112	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/18/86-09/30/93	7	9	
CUVA0113	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/86-09/30/93	7	9	
CUVA0114	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/86-09/16/92	5	8	
CUVA0118	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/87-09/30/93	6	8	
CUVA0120	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/15/93-01/05/94	0	4	
CUVA0122	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/24/87-09/10/87	0	3	
CUVA0125	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/86-09/09/93	6	9	
CUVA0126	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/25/84-07/24/91	6	6	
CUVA0127	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/25/84-07/24/91	6	5	
CUVA0128	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/91-09/24/91	0	6	
CUVA0130	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/87-09/09/93	6	9	
CUVA0132	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/10/86-09/09/93	6	10	
CUVA0133	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/24/84-07/25/84	0	2	
CUVA0135	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/01/76-08/29/91	15	13	
CUVA0136	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/87-07/24/91	3	2	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0137	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/12/73-07/24/91	17	10	
CUVA0138	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/01/86-09/17/93	6	9	
CUVA0141	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/24/87-09/10/87	0	3	
CUVA0142	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/23/90-04/23/90	0	1	
CUVA0143	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/21/75-08/21/75	0	1	
CUVA0144	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/25/84-09/05/84	0	4	
CUVA0145	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/24/84-09/05/84	0	5	
CUVA0147	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/87-09/17/93	6	9	
CUVA0151	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/01/86-09/09/93	6	9	
CUVA0153	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/87-01/05/94	6	13	
CUVA0155	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/22/88-09/22/88	0	1	
CUVA0156	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/22/88-09/22/88	0	1	
CUVA0159	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/01/86-09/17/93	6	9	
CUVA0162	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/15/84-10/29/87	3	7	
CUVA0163	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/87-09/17/93	6	9	
CUVA0164	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/01/86-09/17/93	6	10	
CUVA0165	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/91-07/31/91	0	2	
CUVA0166	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/84-08/29/91	7	9	
CUVA0167	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/09/75-10/31/78	2	3	
CUVA0168	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/03/82-11/03/82	0	1	
CUVA0170	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/02/84-03/28/85	0	2	
CUVA0171	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/28/85-03/28/85	0	1	
CUVA0172	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/14/78-08/29/91	12	11	
CUVA0174	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/28/85-04/14/88	3	2	
CUVA0176	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/84-10/02/84	0	4	
CUVA0177	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/28/85-03/28/85	0	1	
CUVA0178	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/28/85-03/28/85	0	1	
CUVA0179	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/84-07/31/91	7	8	
CUVA0181	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/84-09/26/85	1	4	
CUVA0182	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/27/75-08/29/91	16	4	
CUVA0183	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/28/85-03/28/85	0	1	
CUVA0187	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/02/84-09/24/91	7	15	
CUVA0188	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/31/91-07/31/91	0	2	
CUVA0189	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/84-08/29/91	7	9	
CUVA0191	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/04/76-07/31/91	14	4	
CUVA0192	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/07/65-07/28/77	11	25	
CUVA0193	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/24/75-06/18/81	5	24	
CUVA0194	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/07/76-08/29/91	15	6	
CUVA0196	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/84-10/02/84	0	4	
CUVA0197	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/84-10/02/84	0	4	
CUVA0198	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/07/65-07/28/77	11	25	
CUVA0202	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	21	190	T,A
CUVA0203	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	19	224	A
CUVA0205	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/18/85-04/18/85	0	1	
CUVA0206	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/75-11/06/75	0	1	
CUVA0207	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/18/85-04/18/85	0	1	
CUVA0209	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/15/87-10/29/87	0	4	
CUVA0212	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/31/90-08/22/90	0	8	
CUVA0214	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/09/75-09/12/91	16	42	
CUVA0215	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/84-09/26/84	0	5	
CUVA0217	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/24/91-09/24/91	0	3	
CUVA0218	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/09/91-09/09/91	0	1	
CUVA0219	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/90-09/26/90	0	4	
CUVA0221	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/21/90-09/26/90	0	5	
CUVA0222	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/28/90-09/26/90	0	4	
CUVA0223	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/12/91-09/12/91	0	1	
CUVA0224	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/84-09/24/91	7	23	
CUVA0225	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/15/87-10/29/87	0	3	
CUVA0226	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/15/87-09/24/91	4	17	
CUVA0010	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/08/65-05/14/74	8	8	
CUVA0018	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/08/65-04/02/74	8	9	
CUVA0020	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/08/65-06/29/77	11	16	
CUVA0045	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/28/74-06/29/77	3	9	
CUVA0063	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-06/29/77	12	92	
CUVA0088	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/09/74-06/29/77	3	9	
CUVA0096	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/02/80-06/02/80	0	1	
CUVA0167	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/31/78-10/31/78	0	1	
CUVA0192	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/07/65-07/28/77	11	16	
CUVA0198	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/07/65-07/28/77	11	16	
CUVA0202	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-11/19/85	21	182	T,A
CUVA0010	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/28/74-05/14/74	0	2	
CUVA0011	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/03/76-05/03/76	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0014	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/04/76-05/04/76	0	1	
CUVA0018	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/28/74-04/02/74	0	2	
CUVA0020	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/20/74-06/29/77	3	9	
CUVA0045	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/28/74-06/29/77	3	9	
CUVA0063	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/16/74-06/29/77	3	19	
CUVA0088	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/09/74-06/29/77	3	9	
CUVA0096	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/02/80-06/02/80	0	1	
CUVA0192	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/09/74-07/28/77	3	9	
CUVA0198	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/22/74-07/28/77	3	9	
CUVA0200	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/11/71-09/14/72	1	14	
CUVA0202	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/10/74-12/15/94	20	108	
CUVA0002	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/22/86-09/18/86	0	5	
CUVA0003	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/16/86	0	5	
CUVA0004	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/24/86-11/04/86	0	8	
CUVA0005	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/17/86	0	5	
CUVA0006	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/16/86	0	5	
CUVA0007	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/18/91	5	11	
CUVA0008	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/24/86-11/04/86	0	8	
CUVA0009	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/16/86	0	5	
CUVA0012	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/24/86-11/04/86	0	8	
CUVA0013	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/16/86	0	5	
CUVA0015	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/17/86	0	5	
CUVA0016	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/17/86	0	5	
CUVA0017	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/17/86	0	5	
CUVA0019	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/17/86	0	5	
CUVA0021	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/16/86	0	5	
CUVA0022	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/22/86-09/18/86	0	5	
CUVA0023	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/16/86	0	5	
CUVA0035	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/17/86	0	5	
CUVA0037	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/22/86-09/18/86	0	5	
CUVA0039	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/17/86	0	5	
CUVA0040	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/18/91	5	11	
CUVA0041	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/86-12/08/86	0	3	
CUVA0042	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/22/86-09/18/86	0	5	
CUVA0043	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/22/86-09/18/86	0	5	
CUVA0044	No	00916	CALCIUM, TOTAL (MG/L AS CA)	12/24/75-09/18/86	10	14	
CUVA0046	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/17/86	0	5	
CUVA0048	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/17/88-08/17/88	0	1	
CUVA0051	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/22/86-09/18/91	5	11	
CUVA0052	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/84-09/24/91	7	19	
CUVA0053	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/03/81-09/10/87	5	4	
CUVA0057	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/11/91-09/24/91	0	6	
CUVA0061	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/84-09/24/84	0	5	
CUVA0062	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/02/74-10/24/89	15	19	
CUVA0063	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/02/73-09/02/73	0	3	
CUVA0069	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/11/91-09/24/91	0	6	
CUVA0072	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/90-08/15/90	0	1	
CUVA0073	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/24/91-09/24/91	0	1	
CUVA0074	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/90-09/24/91	1	3	
CUVA0075	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/90-09/24/91	1	2	
CUVA0077	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/90-09/24/91	1	2	
CUVA0080	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/16/90-09/24/91	1	2	
CUVA0081	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/90-09/24/91	1	2	
CUVA0083	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/84-09/24/91	7	12	
CUVA0089	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/84-09/24/91	7	20	
CUVA0098	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/91-08/15/91	0	1	
CUVA0099	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/84-10/24/89	5	14	
CUVA0100	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/02/84-09/13/84	0	4	
CUVA0101	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/02/84-09/19/84	0	5	
CUVA0106	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/02/84-09/13/84	0	4	
CUVA0108	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/02/84-09/13/84	0	4	
CUVA0122	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/24/87-09/10/87	0	3	
CUVA0126	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/25/84-07/24/91	6	6	
CUVA0127	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/25/84-07/24/91	6	5	
CUVA0128	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/11/91-09/24/91	0	6	
CUVA0133	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/24/84-07/25/84	0	2	
CUVA0135	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/84-08/29/91	7	11	
CUVA0136	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/21/87-07/24/91	3	2	
CUVA0137	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/25/84-07/24/91	6	5	
CUVA0141	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	06/24/87-09/10/87	0	3	
CUVA0142	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/23/90-04/23/90	0	1	
CUVA0144	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/25/84-09/05/84	0	4	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0145	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/24/84-09/05/84	0	5	
CUVA0155	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/22/88-09/22/88	0	1	
CUVA0156	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/22/88-09/22/88	0	1	
CUVA0162	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/84-10/29/87	3	7	
CUVA0165	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/91-07/31/91	0	2	
CUVA0166	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/84-08/29/91	7	9	
CUVA0167	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	09/30/75-08/08/79	3	17	
CUVA0168	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/03/82-11/03/82	0	1	
CUVA0170	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	10/02/84-03/28/85	0	2	
CUVA0171	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/28/85-03/28/85	0	1	
CUVA0172	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/84-08/29/91	7	10	
CUVA0174	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/28/85-04/14/88	3	2	
CUVA0176	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/84-10/02/84	0	4	
CUVA0177	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	03/28/85-03/28/85	0	1	
CUVA0178	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/28/85-03/28/85	0	1	
CUVA0179	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/84-07/31/91	7	8	
CUVA0181	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/84-09/26/85	1	5	
CUVA0182	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/10/91-08/29/91	0	3	
CUVA0183	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/28/85-03/28/85	0	1	
CUVA0187	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/02/84-09/24/91	7	15	
CUVA0188	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/31/91-07/31/91	0	2	
CUVA0189	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/84-08/29/91	7	9	
CUVA0191	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/21/87-07/31/91	3	3	
CUVA0192	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/73-09/10/73	0	2	
CUVA0193	No	00916	CALCIUM, TOTAL (MG/L AS CA)	12/24/75-09/30/76	0	4	
CUVA0194	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/10/91-08/29/91	0	5	
CUVA0196	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/84-10/02/84	0	4	
CUVA0197	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/84-10/02/84	0	4	
CUVA0198	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	09/13/73-09/13/73	0	1	
CUVA0203	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/27/74-12/07/93	19	173	A
CUVA0205	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/18/85-04/18/85	0	1	
CUVA0207	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/18/85-04/18/85	0	1	
CUVA0209	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/15/87-10/29/87	0	4	
CUVA0212	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/31/90-08/22/90	0	8	
CUVA0214	No	00916	CALCIUM, TOTAL (MG/L AS CA)	02/14/74-09/26/91	17	26	
CUVA0215	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/23/84-09/26/84	0	5	
CUVA0217	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/24/91-09/24/91	0	3	
CUVA0218	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/09/91-09/09/91	0	1	
CUVA0219	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/27/90-09/26/90	0	4	
CUVA0221	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/90-09/26/90	0	5	
CUVA0222	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/28/90-09/26/90	0	4	
CUVA0223	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/12/91-09/12/91	0	1	
CUVA0224	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/23/84-09/24/91	7	23	
CUVA0225	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/15/87-10/29/87	0	3	
CUVA0226	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/15/87-09/24/91	4	17	
CUVA0052	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0055	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0056	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0059	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0099	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	08/12/85-06/24/87	1	2	
CUVA0100	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0101	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0122	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0126	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0127	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0135	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0166	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0175	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0178	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0182	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0185	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	08/01/85-08/01/85	0	1	
CUVA0186	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	08/01/85-10/09/91	6	2	
CUVA0191	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0211	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0052	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0055	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0056	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0059	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0099	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0100	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0101	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0122	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/12/85-08/12/85	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0126	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0127	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0135	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0166	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0175	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0178	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0182	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0185	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/01/85-08/01/85	0	1	
CUVA0186	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/01/85-10/09/91	6	2	
CUVA0191	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0211	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0010	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/28/74-05/14/74	0	2	
CUVA0011	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/03/76-05/03/76	0	1	
CUVA0014	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/04/76-05/04/76	0	1	
CUVA0018	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/28/74-04/02/74	0	2	
CUVA0020	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/74-06/29/77	3	9	
CUVA0045	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/28/74-06/29/77	3	9	
CUVA0063	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/16/74-06/29/77	3	19	
CUVA0088	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/09/74-06/29/77	3	9	
CUVA0096	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/02/80-06/02/80	0	1	
CUVA0192	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/09/74-07/28/77	3	9	
CUVA0198	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/22/74-07/28/77	3	9	
CUVA0200	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/11/71-09/14/72	1	14	
CUVA0202	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/10/74-12/15/94	20	108	
CUVA0002	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/22/86-09/18/86	0	5	
CUVA0003	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/16/86	0	5	
CUVA0004	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/24/86-11/04/86	0	8	
CUVA0005	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/17/86	0	5	
CUVA0006	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/16/86	0	5	
CUVA0007	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/18/91	5	11	
CUVA0008	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/24/86-11/04/86	0	8	
CUVA0009	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/16/86	0	5	
CUVA0012	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/24/86-11/04/86	0	8	
CUVA0013	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/16/86	0	5	
CUVA0015	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/17/86	0	5	
CUVA0016	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/17/86	0	4	
CUVA0017	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/17/86	0	5	
CUVA0019	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/17/86	0	5	
CUVA0021	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/16/86	0	5	
CUVA0022	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/22/86-09/18/86	0	5	
CUVA0023	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/16/86	0	5	
CUVA0035	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/17/86	0	5	
CUVA0037	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/22/86-09/18/86	0	5	
CUVA0039	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/17/86	0	5	
CUVA0040	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/18/91	5	11	
CUVA0041	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/86-12/08/86	0	3	
CUVA0042	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/22/86-09/18/86	0	5	
CUVA0043	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/22/86-09/18/86	0	5	
CUVA0044	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	12/24/75-09/18/86	10	14	
CUVA0046	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/17/86	0	4	
CUVA0048	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/17/88-08/17/88	0	1	
CUVA0051	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/22/86-09/18/91	5	11	
CUVA0052	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/30/84-09/24/91	7	19	
CUVA0053	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/03/81-09/10/87	5	4	
CUVA0057	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/11/91-09/24/91	0	6	
CUVA0061	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/30/84-09/24/84	0	5	
CUVA0062	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/02/74-10/24/89	15	19	
CUVA0063	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/02/73-09/02/73	0	3	
CUVA0069	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/11/91-09/24/91	0	6	
CUVA0073	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/24/91-09/24/91	0	1	
CUVA0074	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/91-09/24/91	0	2	
CUVA0075	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/24/91-09/24/91	0	1	
CUVA0077	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/24/91-09/24/91	0	1	
CUVA0080	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/24/91-09/24/91	0	1	
CUVA0081	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/24/91-09/24/91	0	1	
CUVA0083	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/30/84-09/24/91	7	11	
CUVA0089	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/30/84-09/24/91	7	20	
CUVA0098	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/91-08/15/91	0	1	
CUVA0099	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/30/84-10/24/89	5	13	
CUVA0100	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/02/84-09/13/84	0	4	
CUVA0101	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/02/84-09/19/84	0	5	
CUVA0106	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/02/84-09/13/84	0	4	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0108	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/02/84-09/13/84	0	4	
CUVA0122	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/24/87-09/10/87	0	3	
CUVA0126	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/25/84-07/24/91	6	5	
CUVA0127	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/25/84-07/24/91	6	5	
CUVA0128	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/11/91-09/24/91	0	6	
CUVA0133	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/24/84-07/25/84	0	2	
CUVA0135	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/84-08/29/91	7	11	
CUVA0136	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/21/87-07/24/91	3	2	
CUVA0137	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/25/84-07/24/91	6	5	
CUVA0141	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/24/87-09/10/87	0	3	
CUVA0142	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/23/90-04/23/90	0	1	
CUVA0144	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/25/84-09/05/84	0	4	
CUVA0145	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/24/84-09/05/84	0	5	
CUVA0155	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/22/88-09/22/88	0	1	
CUVA0156	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/22/88-09/22/88	0	1	
CUVA0162	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/84-10/29/87	3	7	
CUVA0165	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/30/91-07/31/91	0	2	
CUVA0166	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/84-08/29/91	7	9	
CUVA0167	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/30/75-08/08/79	3	17	
CUVA0168	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/03/82-11/03/82	0	1	
CUVA0170	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/02/84-03/28/85	0	2	
CUVA0171	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/28/85-03/28/85	0	1	
CUVA0172	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/84-08/29/91	7	10	
CUVA0174	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/28/85-04/14/88	3	2	
CUVA0176	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/84-10/02/84	0	4	
CUVA0177	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/28/85-03/28/85	0	1	
CUVA0178	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/28/85-03/28/85	0	1	
CUVA0179	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/84-07/31/91	7	8	
CUVA0181	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/84-09/26/85	1	5	
CUVA0182	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/10/91-08/29/91	0	3	
CUVA0183	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/28/85-03/28/85	0	1	
CUVA0187	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/02/84-09/24/91	7	15	
CUVA0188	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/31/91-07/31/91	0	2	
CUVA0189	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/84-08/29/91	7	9	
CUVA0191	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/21/87-07/31/91	3	3	
CUVA0192	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/73-09/10/73	0	2	
CUVA0193	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	12/24/75-09/30/76	0	4	
CUVA0194	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/10/91-08/29/91	0	5	
CUVA0196	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/84-10/02/84	0	4	
CUVA0197	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/84-10/02/84	0	4	
CUVA0198	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/13/73-09/13/73	0	1	
CUVA0203	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/27/74-12/07/93	19	168	A
CUVA0205	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/18/85-04/18/85	0	1	
CUVA0207	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/18/85-04/18/85	0	1	
CUVA0209	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/15/87-10/29/87	0	4	
CUVA0212	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/31/90-08/22/90	0	8	
CUVA0214	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	02/14/74-09/26/91	17	27	
CUVA0215	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/23/84-09/26/84	0	5	
CUVA0217	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/24/91-09/24/91	0	3	
CUVA0218	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/09/91-09/09/91	0	1	
CUVA0219	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/27/90-09/26/90	0	4	
CUVA0221	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/90-09/26/90	0	5	
CUVA0222	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/28/90-09/26/90	0	4	
CUVA0223	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/12/91-09/12/91	0	1	
CUVA0224	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/23/84-09/24/91	7	23	
CUVA0225	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/15/87-10/29/87	0	3	
CUVA0226	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/15/87-09/24/91	4	17	
CUVA0002	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/22/86-09/18/86	0	5	
CUVA0004	No	00929	SODIUM, TOTAL (MG/L AS NA)	04/24/86-11/04/86	0	7	
CUVA0008	No	00929	SODIUM, TOTAL (MG/L AS NA)	04/24/86-11/04/86	0	8	
CUVA0012	No	00929	SODIUM, TOTAL (MG/L AS NA)	04/24/86-11/04/86	0	8	
CUVA0022	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/22/86-09/18/86	0	5	
CUVA0037	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/22/86-09/18/86	0	5	
CUVA0041	No	00929	SODIUM, TOTAL (MG/L AS NA)	12/08/86-12/08/86	0	1	
CUVA0042	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/22/86-09/18/86	0	5	
CUVA0043	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/27/86-09/18/86	0	2	
CUVA0044	No	00929	SODIUM, TOTAL (MG/L AS NA)	12/24/75-01/13/77	1	5	
CUVA0062	No	00929	SODIUM, TOTAL (MG/L AS NA)	05/02/74-05/02/74	0	1	
CUVA0083	No	00929	SODIUM, TOTAL (MG/L AS NA)	11/30/88-11/30/88	0	1	
CUVA0135	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/26/84-10/02/84	0	4	
CUVA0166	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	07/26/84-10/02/84	0	4	
CUVA0167	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	09/30/75-08/08/79	3	16	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0172	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	09/26/85-09/26/85	0	1	
CUVA0179	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/26/84-09/26/85	1	5	
CUVA0181	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	09/26/85-09/26/85	0	1	
CUVA0193	No	00929	SODIUM, TOTAL (MG/L AS NA)	12/24/75-01/13/77	1	5	
CUVA0203	No	00929	SODIUM, TOTAL (MG/L AS NA)	03/27/74-12/26/91	17	59	
CUVA0205	No	00929	SODIUM, TOTAL (MG/L AS NA)	04/18/85-04/18/85	0	1	
CUVA0207	No	00929	SODIUM, TOTAL (MG/L AS NA)	04/18/85-04/18/85	0	1	
CUVA0214	No	00929	SODIUM, TOTAL (MG/L AS NA)	02/14/74-09/26/91	17	11	
CUVA0011	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/03/76-05/03/76	0	1	
CUVA0014	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/04/76-05/04/76	0	1	
CUVA0020	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/10/74-06/29/77	2	7	
CUVA0045	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/10/74-06/29/77	2	7	
CUVA0063	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/10/74-06/29/77	2	7	
CUVA0088	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/10/74-06/29/77	2	7	
CUVA0096	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/02/80-06/02/80	0	1	
CUVA0192	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/14/74-07/28/77	2	7	
CUVA0198	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/22/74-07/28/77	2	7	
CUVA0200	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/11/71-09/14/72	1	14	
CUVA0202	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/10/74-12/15/94	20	96	
CUVA0011	No	00931	SODIUM ADSORPTION RATIO	05/03/76-05/03/76	0	1	
CUVA0014	No	00931	SODIUM ADSORPTION RATIO	05/04/76-05/04/76	0	1	
CUVA0020	No	00931	SODIUM ADSORPTION RATIO	09/10/74-06/29/77	2	7	
CUVA0045	No	00931	SODIUM ADSORPTION RATIO	09/10/74-06/29/77	2	7	
CUVA0063	No	00931	SODIUM ADSORPTION RATIO	09/10/74-06/29/77	2	7	
CUVA0088	Yes	00931	SODIUM ADSORPTION RATIO	09/10/74-06/29/77	2	7	
CUVA0096	No	00931	SODIUM ADSORPTION RATIO	06/02/80-06/02/80	0	1	
CUVA0192	No	00931	SODIUM ADSORPTION RATIO	08/14/74-07/28/77	2	7	
CUVA0198	Yes	00931	SODIUM ADSORPTION RATIO	08/22/74-07/28/77	2	7	
CUVA0202	No	00931	SODIUM ADSORPTION RATIO	01/10/74-11/19/85	11	51	
CUVA0011	No	00932	SODIUM, PERCENT	05/03/76-05/03/76	0	1	
CUVA0014	No	00932	SODIUM, PERCENT	05/04/76-05/04/76	0	1	
CUVA0020	No	00932	SODIUM, PERCENT	09/10/74-06/29/77	2	7	
CUVA0045	No	00932	SODIUM, PERCENT	09/10/74-06/29/77	2	7	
CUVA0063	No	00932	SODIUM, PERCENT	09/10/74-06/29/77	2	7	
CUVA0088	Yes	00932	SODIUM, PERCENT	09/10/74-06/29/77	2	7	
CUVA0096	No	00932	SODIUM, PERCENT	06/02/80-06/02/80	0	1	
CUVA0192	No	00932	SODIUM, PERCENT	08/14/74-07/28/77	2	7	
CUVA0198	Yes	00932	SODIUM, PERCENT	08/22/74-07/28/77	2	7	
CUVA0202	No	00932	SODIUM, PERCENT	01/10/74-11/19/85	11	51	
CUVA0202	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	10/03/79-02/12/80	0	4	
CUVA0052	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0055	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0056	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0059	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0099	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0100	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0101	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0122	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0126	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0127	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0175	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0178	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0185	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	08/01/85-08/01/85	0	1	
CUVA0186	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	08/01/85-08/01/85	0	1	
CUVA0211	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0011	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/03/76-05/03/76	0	1	
CUVA0014	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/04/76-05/04/76	0	1	
CUVA0020	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/10/74-06/29/77	2	7	
CUVA0045	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/10/74-06/29/77	2	7	
CUVA0063	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/10/74-06/29/77	2	7	
CUVA0088	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/10/74-06/29/77	2	7	
CUVA0096	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/02/80-06/02/80	0	1	
CUVA0192	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/14/74-07/28/77	2	7	
CUVA0198	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/22/74-07/28/77	2	7	
CUVA0200	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/11/71-09/14/72	1	14	
CUVA0202	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/10/74-12/15/94	20	96	
CUVA0002	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/12/86-08/21/86	0	2	
CUVA0044	No	00937	POTASSIUM, TOTAL MG/L AS K)	12/24/75-09/30/76	0	4	
CUVA0062	No	00937	POTASSIUM, TOTAL MG/L AS K)	05/02/74-05/02/74	0	1	
CUVA0135	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/26/84-07/31/91	7	5	
CUVA0166	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	07/26/84-10/02/84	0	4	
CUVA0167	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	09/30/75-08/08/79	3	16	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0172	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	09/26/85-09/26/85	0	1	
CUVA0179	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/26/84-09/26/85	1	5	
CUVA0181	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	09/26/85-09/26/85	0	1	
CUVA0182	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/31/91-07/31/91	0	1	
CUVA0193	No	00937	POTASSIUM, TOTAL MG/L AS K)	12/24/75-09/30/76	0	4	
CUVA0203	No	00937	POTASSIUM, TOTAL MG/L AS K)	03/27/74-09/26/91	17	17	
CUVA0214	No	00937	POTASSIUM, TOTAL MG/L AS K)	03/28/74-09/26/91	17	10	
CUVA0218	No	00937	POTASSIUM, TOTAL MG/L AS K)	09/09/91-09/09/91	0	1	
CUVA0223	No	00937	POTASSIUM, TOTAL MG/L AS K)	09/12/91-09/12/91	0	1	
CUVA0052	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0055	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0056	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0059	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0099	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0100	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0101	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0122	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0126	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0127	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0175	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0178	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0185	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	08/01/85-08/01/85	0	1	
CUVA0186	Yes	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	08/01/85-08/01/85	0	1	
CUVA0211	No	00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0001	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/18/78-10/18/78	0	1	
CUVA0002	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/22/86-09/18/86	0	5	
CUVA0004	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/24/86-11/04/86	0	8	
CUVA0007	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/91-09/18/91	0	6	
CUVA0008	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/24/86-11/04/86	0	8	
CUVA0010	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/08/65-05/14/74	8	30	
CUVA0011	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/03/76-05/03/76	0	1	
CUVA0012	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/24/86-11/04/86	0	8	
CUVA0014	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/04/76-05/04/76	0	1	
CUVA0018	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/08/65-04/02/74	8	31	
CUVA0020	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/08/65-06/29/77	11	35	
CUVA0022	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/22/86-09/18/86	0	5	
CUVA0037	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/22/86-09/18/86	0	5	
CUVA0040	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/91-09/18/91	0	6	
CUVA0041	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/86-12/08/86	0	3	
CUVA0042	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/22/86-09/18/86	0	5	
CUVA0043	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/18/86-09/18/86	0	1	
CUVA0044	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/08/73-09/18/86	13	46	
CUVA0045	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/18/73-06/29/77	3	10	
CUVA0047	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/13/92-07/13/92	0	1	
CUVA0050	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/03/64-11/24/64	0	4	
CUVA0051	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/18/86-09/18/91	5	7	
CUVA0052	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/18/86-09/24/91	5	7	
CUVA0054	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/13/92-09/03/93	1	3	
CUVA0057	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/91-09/24/91	0	6	
CUVA0058	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/13/92-07/13/92	0	1	
CUVA0062	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/31/73-09/18/86	12	5	
CUVA0063	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-09/03/93	28	126	T,S
CUVA0065	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/04/91-09/03/93	1	7	
CUVA0066	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/02/75-07/02/75	0	1	
CUVA0067	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/04/91-09/03/93	1	9	
CUVA0069	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/84-09/24/91	7	9	
CUVA0073	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/24/91-09/24/91	0	1	
CUVA0074	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/01/88-09/24/91	3	2	
CUVA0075	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/24/91-09/24/91	0	1	
CUVA0077	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/24/91-09/24/91	0	1	
CUVA0080	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/01/88-09/24/91	3	2	
CUVA0081	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/24/91-09/24/91	0	1	
CUVA0083	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/84-09/24/91	7	5	
CUVA0085	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/86-09/20/94	8	43	
CUVA0086	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/04/91-09/03/93	1	21	
CUVA0087	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/20/94	7	42	
CUVA0088	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/16/73-06/29/77	3	11	
CUVA0089	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	12/26/74-09/24/91	16	8	
CUVA0090	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/93-10/03/94	1	25	
CUVA0091	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/84-08/14/84	0	1	
CUVA0095	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/86-09/20/94	8	44	
CUVA0096	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/02/80-08/29/80	0	4	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0100	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/84-09/13/84	0	4	
CUVA0101	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/84-09/13/84	0	4	
CUVA0103	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/20/94	9	44	
CUVA0105	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/20/94	9	44	
CUVA0106	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/84-09/13/84	0	4	
CUVA0107	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/09/93	6	37	
CUVA0108	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/84-09/13/84	0	4	
CUVA0109	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/20/94	9	44	
CUVA0112	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/20/94	9	44	
CUVA0113	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/19/94	9	42	
CUVA0114	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/19/94	9	41	
CUVA0116	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	05/05/94-09/20/94	0	3	
CUVA0118	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/30/93	6	36	
CUVA0120	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/93-01/05/94	0	20	
CUVA0121	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/13/92-07/13/92	0	5	
CUVA0125	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/19/94	9	43	
CUVA0128	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/91-09/24/91	0	6	
CUVA0130	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-10/03/94	7	45	
CUVA0132	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/16/85-07/19/94	9	43	
CUVA0135	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/26/84-08/29/91	7	9	
CUVA0137	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/08/73-08/21/75	2	13	
CUVA0138	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/02/86-10/03/94	8	47	
CUVA0140	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/04/91-09/03/93	1	11	
CUVA0143	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/75-08/21/75	0	1	
CUVA0144	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/75-08/21/75	0	1	
CUVA0146	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/04/91-09/03/93	1	22	
CUVA0147	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/19/94	7	42	
CUVA0149	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/03/93-09/03/93	0	1	
CUVA0151	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/16/85-09/19/94	9	44	
CUVA0153	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-10/03/94	7	70	
CUVA0159	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/02/86-10/03/94	8	47	
CUVA0163	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/19/94	7	42	
CUVA0164	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/02/86-10/03/94	8	46	
CUVA0165	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/30/91-07/31/91	0	2	
CUVA0166	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/26/84-08/29/91	7	9	
CUVA0167	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/09/75-08/08/79	4	40	
CUVA0172	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	12/14/78-08/29/91	12	7	
CUVA0173	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/05/91-09/03/93	1	17	
CUVA0178	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/91-08/14/91	0	1	
CUVA0179	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/26/84-07/31/91	7	7	
CUVA0181	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/26/85-09/26/85	0	1	
CUVA0182	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/73-08/29/91	18	11	
CUVA0187	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/91-09/24/91	0	6	
CUVA0188	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/31/91-07/31/91	0	2	
CUVA0189	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/10/91-08/29/91	0	3	
CUVA0192	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/07/65-07/28/77	11	37	
CUVA0193	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/24/75-06/18/81	5	24	
CUVA0194	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/10/91-08/29/91	0	3	
CUVA0198	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/07/65-07/28/77	11	36	
CUVA0202	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	30	2989	T,A,S
CUVA0203	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	20	221	T,A
CUVA0204	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/04/81-09/30/87	5	2708	
CUVA0205	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/18/85-04/18/85	0	1	
CUVA0206	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/06/75-11/06/75	0	1	
CUVA0207	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/18/85-04/18/85	0	1	
CUVA0212	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/31/90-08/22/90	0	8	
CUVA0214	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/73-09/12/91	18	48	
CUVA0217	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/24/91-09/24/91	0	3	
CUVA0218	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/09/91-09/09/91	0	1	
CUVA0219	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/27/90-09/26/90	0	4	
CUVA0221	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/90-09/26/90	0	5	
CUVA0222	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/90-09/26/90	0	4	
CUVA0223	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/12/91-09/12/91	0	1	
CUVA0224	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/31/90-09/24/91	1	18	
CUVA0226	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/31/90-09/24/91	1	12	
CUVA0004	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/24/86-11/04/86	0	6	
CUVA0008	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/24/86-11/04/86	0	6	
CUVA0010	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/30/68-05/14/74	5	18	
CUVA0011	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/03/76-05/03/76	0	1	
CUVA0012	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/24/86-11/04/86	0	7	
CUVA0014	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/04/76-05/04/76	0	1	
CUVA0018	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/16/68-04/02/74	5	18	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0020	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/16/68-06/29/77	8	24	
CUVA0034	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/24/79-03/09/80	0	3	
CUVA0041	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/27/86-12/08/86	0	2	
CUVA0044	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/08/73-09/30/76	3	14	
CUVA0045	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/18/73-06/29/77	3	10	
CUVA0049	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/23/79-03/08/80	0	3	
CUVA0062	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/31/73-01/09/75	1	4	
CUVA0063	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-06/29/77	12	101	
CUVA0088	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/73-06/29/77	3	11	
CUVA0089	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	12/26/74-01/09/75	0	2	
CUVA0096	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/02/80-06/02/80	0	1	
CUVA0135	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/07/72-10/02/84	11	4	
CUVA0137	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/73-08/06/75	1	6	
CUVA0155	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/22/88-09/22/88	0	1	
CUVA0156	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/22/88-09/22/88	0	1	
CUVA0166	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/84-10/02/84	0	4	
CUVA0167	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/09/75-08/08/79	4	40	
CUVA0179	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/84-10/02/84	0	4	
CUVA0181	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/08/84-10/02/84	0	3	
CUVA0182	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/27/75-03/27/75	0	1	
CUVA0192	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/28/67-07/28/77	9	26	
CUVA0193	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/24/75-09/30/76	0	4	
CUVA0198	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/29/66-07/28/77	10	26	
CUVA0202	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	30	245	T,A,S
CUVA0203	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/19/73-12/07/93	20	140	T,A
CUVA0214	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/14/74-06/04/75	1	7	
CUVA0001	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/18/78-10/18/78	0	1	
CUVA0010	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/08/70-10/24/72	2	3	
CUVA0011	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/03/76-05/03/76	0	1	
CUVA0014	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/04/76-05/04/76	0	1	
CUVA0018	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/08/70-09/15/72	2	3	
CUVA0020	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/08/70-06/29/77	6	10	
CUVA0044	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/24/73-10/18/79	5	20	
CUVA0045	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/10/74-06/29/77	2	7	
CUVA0062	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/31/73-05/02/74	0	2	
CUVA0063	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-06/29/77	12	94	
CUVA0088	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/10/74-06/29/77	2	7	
CUVA0089	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/10/75-04/10/75	0	1	
CUVA0096	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/02/80-06/02/80	0	1	
CUVA0172	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/14/78-12/14/78	0	1	
CUVA0192	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/24/70-07/28/77	6	10	
CUVA0193	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/24/75-10/18/79	3	13	
CUVA0198	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/25/70-07/28/77	6	10	
CUVA0202	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	30	239	T,A,S
CUVA0203	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/06/73-02/28/80	6	54	
CUVA0214	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/28/74-10/18/79	5	10	
CUVA0010	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/17/73-08/17/73	0	1	
CUVA0018	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/17/73-08/17/73	0	1	
CUVA0020	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/17/73-08/17/73	0	1	
CUVA0044	No	00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/80-06/18/81	1	3	
CUVA0063	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/02/73-09/20/73	0	4	
CUVA0088	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	08/16/73-08/16/73	0	1	
CUVA0192	No	00951	FLUORIDE, TOTAL (MG/L AS F)	09/10/73-09/10/73	0	1	
CUVA0193	No	00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/80-06/18/81	1	2	
CUVA0198	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	09/13/73-09/13/73	0	1	
CUVA0202	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/73-09/30/73	0	4	
CUVA0203	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/20/80-10/21/81	1	17	
CUVA0214	No	00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/80-06/18/81	1	3	
CUVA0011	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/03/76-08/19/76	0	3	
CUVA0014	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/04/76-08/23/76	0	4	
CUVA0020	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/10/74-06/29/77	2	7	
CUVA0044	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/21/77-07/21/77	0	1	
CUVA0045	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/10/74-06/29/77	2	7	
CUVA0063	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/10/74-06/29/77	2	7	
CUVA0088	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/10/74-06/29/77	2	7	
CUVA0096	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/02/80-08/29/80	0	4	
CUVA0192	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/14/74-07/28/77	2	7	
CUVA0193	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/21/77-07/21/77	0	1	
CUVA0198	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/22/74-07/28/77	2	7	
CUVA0202	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/10/74-12/15/94	20	96	
CUVA0203	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/21/77-11/09/81	4	30	
CUVA0204	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/04/81-09/30/87	5	2728	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0193	No	00956	SILICA, TOTAL (MG/L AS SI02)	06/01/77-06/01/77	0	1	
CUVA0203	No	00956	SILICA, TOTAL (MG/L AS SI02)	05/12/77-06/30/77	0	3	
CUVA0094	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/15/70-10/15/70	0	1	
CUVA0202	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/10/74-09/17/91	17	59	
CUVA0202	No	01001	ARSENIC, SUSPENDED (UG/L AS AS)	01/10/74-06/15/82	8	19	
CUVA0001	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/18/78-10/18/78	0	1	
CUVA0002	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/12/86-08/21/86	0	2	
CUVA0003	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-07/22/86	0	2	
CUVA0004	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/14/86-11/04/86	0	4	
CUVA0005	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/17/86	0	5	
CUVA0006	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-08/21/86	0	4	
CUVA0007	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/18/91	5	11	
CUVA0008	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/14/86-11/04/86	0	4	
CUVA0009	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/16/86	0	5	
CUVA0012	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/14/86-11/04/86	0	4	
CUVA0013	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/16/86	0	5	
CUVA0014	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/04/76-05/04/76	0	1	
CUVA0015	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/17/86	0	5	
CUVA0016	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/17/86	0	5	
CUVA0017	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/17/86	0	5	
CUVA0019	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/17/86	0	5	
CUVA0020	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/20/75-06/29/77	1	5	
CUVA0021	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/16/86	0	5	
CUVA0023	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-07/09/86	0	1	
CUVA0035	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/17/86	0	5	
CUVA0039	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/17/86	0	5	
CUVA0040	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/18/91	5	11	
CUVA0041	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/86-08/27/86	0	2	
CUVA0044	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/13/73-09/18/86	13	12	
CUVA0045	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/22/75-06/29/77	1	5	
CUVA0046	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/17/86	0	5	
CUVA0051	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/22/86-09/18/91	5	11	
CUVA0052	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/30/84-09/24/91	7	19	
CUVA0053	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/24/87-09/10/87	0	3	
CUVA0057	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/11/91-09/24/91	0	6	
CUVA0062	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/30/84-09/10/87	3	12	
CUVA0063	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/28/75-06/29/77	1	5	
CUVA0069	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/11/91-09/24/91	0	6	
CUVA0083	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/30/84-09/24/91	7	11	
CUVA0088	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	07/28/75-06/29/77	1	5	
CUVA0089	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	06/24/87-09/24/91	4	9	
CUVA0096	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/02/80-06/02/80	0	1	
CUVA0099	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	06/24/87-09/10/87	0	3	
CUVA0122	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/24/87-09/10/87	0	3	
CUVA0128	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	07/11/91-09/24/91	0	6	
CUVA0135	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/10/91-07/31/91	0	3	
CUVA0137	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	07/13/73-07/13/73	0	1	
CUVA0141	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	06/24/87-09/10/87	0	3	
CUVA0142	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/23/90-04/23/90	0	1	
CUVA0162	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	08/02/84-10/29/87	3	8	
CUVA0165	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/30/91-07/31/91	0	2	
CUVA0170	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	03/28/85-03/28/85	0	1	
CUVA0171	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/28/85-03/28/85	0	1	
CUVA0172	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	09/26/85-09/26/85	0	1	
CUVA0174	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/28/85-03/28/85	0	1	
CUVA0177	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	03/28/85-03/28/85	0	1	
CUVA0178	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/28/85-03/28/85	0	1	
CUVA0179	No	01002	ARSENIC, TOTAL (UG/L AS AS)	09/26/85-07/31/91	5	3	
CUVA0181	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	07/26/84-09/26/85	1	5	
CUVA0182	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/16/73-07/10/91	17	2	
CUVA0183	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/28/85-03/28/85	0	1	
CUVA0187	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	07/15/87-09/24/91	4	10	
CUVA0192	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/13/75-07/28/77	1	5	
CUVA0193	No	01002	ARSENIC, TOTAL (UG/L AS AS)	12/24/75-09/29/77	1	5	
CUVA0198	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	08/13/75-07/28/77	1	5	
CUVA0202	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/10/74-06/15/82	8	23	
CUVA0203	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/09/73-12/07/93	20	80	
CUVA0209	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/15/87-10/29/87	0	4	
CUVA0214	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/23/84-09/26/91	7	14	
CUVA0215	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	07/23/84-09/26/84	0	4	
CUVA0217	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/24/91-09/24/91	0	3	
CUVA0219	No	01002	ARSENIC, TOTAL (UG/L AS AS)	09/25/90-09/26/90	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0221	No	01002	ARSENIC, TOTAL (UG/L AS AS)	09/25/90-09/26/90	0	2	
CUVA0222	No	01002	ARSENIC, TOTAL (UG/L AS AS)	09/25/90-09/26/90	0	2	
CUVA0224	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/23/84-09/24/91	7	13	
CUVA0225	No	01002	ARSENIC, TOTAL (UG/L AS AS)	09/15/87-10/29/87	0	3	
CUVA0226	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/15/87-09/24/91	4	13	
CUVA0034	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/10/79-09/10/79	0	1	
CUVA0043	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	03/25/87-03/25/87	0	1	
CUVA0049	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/10/79-09/10/79	0	1	
CUVA0052	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0055	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0056	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0059	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0088	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0097	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0099	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0100	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0101	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0102	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0104	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0110	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0111	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0119	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0122	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0123	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0124	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0126	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0127	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0131	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0134	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0135	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0149	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0152	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0158	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0160	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0166	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0167	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0175	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0178	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0182	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0185	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/01/85-08/01/85	0	1	
CUVA0186	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/01/85-10/09/91	6	2	
CUVA0191	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0192	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0202	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0211	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0202	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	10/12/77-12/15/94	17	62	
CUVA0202	No	01006	BARIUM, SUSPENDED (UG/L AS BA)	10/12/77-06/15/82	4	12	
CUVA0002	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/21/86-08/21/86	0	1	
CUVA0011	No	01007	BARIUM, TOTAL (UG/L AS BA)	05/03/76-05/03/76	0	1	
CUVA0014	No	01007	BARIUM, TOTAL (UG/L AS BA)	05/04/76-05/04/76	0	1	
CUVA0024	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/12/72-04/12/72	0	1	
CUVA0025	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/12/72-04/12/72	0	1	
CUVA0026	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/12/72-04/12/72	0	1	
CUVA0027	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/12/72-04/12/72	0	1	
CUVA0028	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/12/72-04/12/72	0	1	
CUVA0029	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/12/72-04/12/72	0	1	
CUVA0030	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/12/72-04/12/72	0	1	
CUVA0031	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/12/72-04/12/72	0	1	
CUVA0032	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/12/72-04/12/72	0	1	
CUVA0033	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/12/72-04/12/72	0	1	
CUVA0036	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/12/72-04/12/72	0	1	
CUVA0044	No	01007	BARIUM, TOTAL (UG/L AS BA)	07/13/73-09/29/77	4	8	
CUVA0062	No	01007	BARIUM, TOTAL (UG/L AS BA)	05/02/74-01/09/75	0	2	
CUVA0096	No	01007	BARIUM, TOTAL (UG/L AS BA)	06/02/80-06/02/80	0	1	
CUVA0137	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	07/13/73-09/26/73	0	2	
CUVA0172	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	09/26/85-09/26/85	0	1	
CUVA0179	No	01007	BARIUM, TOTAL (UG/L AS BA)	09/26/85-09/26/85	0	1	
CUVA0181	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	09/26/85-09/26/85	0	1	
CUVA0182	No	01007	BARIUM, TOTAL (UG/L AS BA)	07/16/73-07/16/73	0	1	
CUVA0193	No	01007	BARIUM, TOTAL (UG/L AS BA)	12/24/75-09/29/77	1	5	
CUVA0202	No	01007	BARIUM, TOTAL (UG/L AS BA)	10/12/77-06/15/82	4	15	
CUVA0203	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/09/73-09/26/91	18	40	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0214	No	01007	BARIUM, TOTAL (UG/L AS BA)	03/28/74-09/26/91	17	8	
CUVA0052	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0055	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0056	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0059	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0099	Yes	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0100	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0101	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0122	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0126	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0127	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0175	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0178	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0185	Yes	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	08/01/85-08/01/85	0	1	
CUVA0186	Yes	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	08/01/85-08/01/85	0	1	
CUVA0211	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0202	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	11/09/82-09/17/91	8	36	
CUVA0203	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/11/91-09/26/91	0	6	
CUVA0214	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/11/91-09/26/91	0	6	
CUVA0011	No	01022	BORON, TOTAL (UG/L AS B)	05/03/76-05/03/76	0	1	
CUVA0014	No	01022	BORON, TOTAL (UG/L AS B)	05/04/76-05/04/76	0	1	
CUVA0096	No	01022	BORON, TOTAL (UG/L AS B)	06/02/80-06/02/80	0	1	
CUVA0088	Yes	01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0097	Yes	01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0102	Yes	01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0104	Yes	01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0110	Yes	01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0111	Yes	01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0119	Yes	01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0123	No	01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0124	No	01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0131	Yes	01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0134	Yes	01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0149	Yes	01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0152	Yes	01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0158	Yes	01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0160	No	01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0167	Yes	01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0192	No	01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0202	No	01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0024	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/12/72-04/12/72	0	1	
CUVA0025	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/12/72-04/12/72	0	1	
CUVA0026	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/12/72-04/12/72	0	1	
CUVA0027	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/12/72-04/12/72	0	1	
CUVA0028	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/12/72-04/12/72	0	1	
CUVA0029	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/12/72-04/12/72	0	1	
CUVA0030	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/12/72-04/12/72	0	1	
CUVA0031	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/12/72-04/12/72	0	1	
CUVA0032	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/12/72-04/12/72	0	1	
CUVA0033	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/12/72-04/12/72	0	1	
CUVA0036	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/12/72-04/12/72	0	1	
CUVA0060	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/07/72-11/07/72	0	1	
CUVA0070	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/07/72-11/07/72	0	1	
CUVA0076	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/07/72-11/07/72	0	1	
CUVA0082	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/07/72-11/07/72	0	1	
CUVA0094	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/15/70-10/15/70	0	1	
CUVA0202	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/10/74-09/17/91	17	59	
CUVA0213	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/07/72-11/07/72	0	1	
CUVA0216	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/07/72-11/07/72	0	1	
CUVA0220	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/07/72-11/07/72	0	1	
CUVA0202	No	01026	CADMIUM, SUSPENDED (UG/L AS CD)	01/10/74-06/15/82	8	20	
CUVA0002	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/22/86-09/18/86	0	5	
CUVA0003	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/16/86	0	5	
CUVA0004	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/24/86-11/04/86	0	8	
CUVA0005	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/17/86	0	5	
CUVA0006	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/16/86	0	5	
CUVA0007	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/18/91	5	11	
CUVA0008	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/24/86-11/04/86	0	8	
CUVA0009	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/16/86	0	5	
CUVA0011	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/03/76-05/03/76	0	1	
CUVA0012	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/24/86-11/04/86	0	8	
CUVA0013	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/16/86	0	5	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0014	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/04/76-05/04/76	0	1	
CUVA0015	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/17/86	0	5	
CUVA0016	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/17/86	0	5	
CUVA0017	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/17/86	0	5	
CUVA0019	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/17/86	0	5	
CUVA0021	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/16/86	0	5	
CUVA0022	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/22/86-09/18/86	0	5	
CUVA0023	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/16/86	0	5	
CUVA0035	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/17/86	0	5	
CUVA0037	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/22/86-09/18/86	0	5	
CUVA0039	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/17/86	0	5	
CUVA0040	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/18/91	5	11	
CUVA0041	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/86-12/08/86	0	3	
CUVA0042	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/22/86-09/18/86	0	5	
CUVA0043	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/22/86-09/18/86	0	5	
CUVA0044	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/13/73-09/18/86	13	31	
CUVA0046	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/17/86	0	5	
CUVA0048	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/17/88-08/17/88	0	1	
CUVA0051	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/22/86-09/18/91	5	11	
CUVA0052	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/30/84-09/24/91	7	19	
CUVA0053	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/03/81-09/10/87	5	4	
CUVA0057	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/91-09/24/91	0	6	
CUVA0061	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/30/84-09/24/84	0	5	
CUVA0062	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/02/74-10/24/89	15	21	
CUVA0069	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/91-09/24/91	0	6	
CUVA0073	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/24/91-09/24/91	0	1	
CUVA0074	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/24/91-09/24/91	0	1	
CUVA0075	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/24/91-09/24/91	0	1	
CUVA0077	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/24/91-09/24/91	0	1	
CUVA0080	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/24/91-09/24/91	0	1	
CUVA0081	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/24/91-09/24/91	0	1	
CUVA0083	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/30/84-09/24/91	7	12	
CUVA0085	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/23/86-09/09/93	7	9	
CUVA0087	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/87-09/09/93	6	7	
CUVA0089	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	07/30/84-09/24/91	7	20	
CUVA0090	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/15/93-01/05/94	0	3	
CUVA0095	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/23/86-09/30/93	7	9	
CUVA0096	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/02/80-06/02/80	0	1	
CUVA0099	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	07/30/84-10/24/89	5	14	
CUVA0100	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/02/84-09/13/84	0	4	
CUVA0101	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/19/84-09/19/84	0	1	
CUVA0103	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/23/85-09/30/93	8	10	
CUVA0105	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/23/85-09/30/93	8	9	
CUVA0106	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/02/84-09/13/84	0	4	
CUVA0107	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/87-09/09/93	6	7	
CUVA0108	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/02/84-09/13/84	0	4	
CUVA0109	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/23/85-09/30/93	8	10	
CUVA0112	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/85-09/30/93	8	9	
CUVA0113	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/85-09/30/93	8	10	
CUVA0114	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/85-09/16/92	7	8	
CUVA0118	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/87-09/30/93	6	7	
CUVA0120	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/15/93-01/05/94	0	4	
CUVA0122	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/24/87-09/10/87	0	3	
CUVA0125	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/85-09/09/93	8	10	
CUVA0126	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/25/84-09/05/84	0	5	
CUVA0127	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/25/84-09/05/84	0	4	
CUVA0128	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/91-09/24/91	0	6	
CUVA0130	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/87-09/09/93	6	8	
CUVA0132	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/23/86-09/09/93	7	9	
CUVA0133	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	07/24/84-07/25/84	0	2	
CUVA0135	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/01/76-08/29/91	15	13	
CUVA0136	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/21/87-09/21/87	0	1	
CUVA0137	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	07/13/73-09/05/84	11	5	
CUVA0138	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/86-09/17/93	7	9	
CUVA0141	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	06/24/87-09/10/87	0	3	
CUVA0142	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/23/90-04/23/90	0	1	
CUVA0144	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/25/84-09/05/84	0	4	
CUVA0145	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/24/84-09/05/84	0	5	
CUVA0147	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/87-09/17/93	6	8	
CUVA0151	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/86-09/09/93	7	10	
CUVA0153	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/87-01/05/94	6	12	
CUVA0155	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/28/82-09/22/88	5	2	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0156	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/28/82-09/22/88	5	2	
CUVA0159	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/86-09/17/93	7	9	
CUVA0162	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	08/02/84-10/29/87	3	8	
CUVA0163	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/87-09/17/93	6	8	
CUVA0164	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/86-09/17/93	7	9	
CUVA0165	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/30/91-07/31/91	0	2	
CUVA0166	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	07/26/84-08/29/91	7	9	
CUVA0167	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/75-09/11/79	4	110	
CUVA0168	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/11/83-01/11/83	0	1	
CUVA0170	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	03/28/85-03/28/85	0	1	
CUVA0171	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/28/85-03/28/85	0	1	
CUVA0172	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	12/14/78-08/29/91	12	7	
CUVA0174	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/28/85-04/14/88	3	2	
CUVA0177	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	03/28/85-03/28/85	0	1	
CUVA0178	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/28/85-03/28/85	0	1	
CUVA0179	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/26/84-07/31/91	7	8	
CUVA0181	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	07/26/84-09/26/85	1	5	
CUVA0182	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/16/73-08/29/91	18	5	
CUVA0183	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/28/85-03/28/85	0	1	
CUVA0187	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	07/15/87-09/24/91	4	10	
CUVA0188	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/31/91-07/31/91	0	2	
CUVA0189	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/26/84-08/29/91	7	9	
CUVA0191	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/04/76-07/31/91	14	4	
CUVA0193	No	01027	CADMIUM, TOTAL (UG/L AS CD)	12/24/75-06/18/81	5	14	
CUVA0194	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/07/76-08/29/91	15	7	
CUVA0196	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/26/84-10/02/84	0	4	
CUVA0197	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/26/84-10/02/84	0	4	
CUVA0202	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/10/74-06/15/82	8	22	
CUVA0203	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	20	223	T,A
CUVA0205	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/18/85-04/18/85	0	1	
CUVA0207	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/18/85-04/18/85	0	1	
CUVA0209	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/22/76-10/29/87	11	5	
CUVA0212	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/31/90-08/22/90	0	8	
CUVA0214	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/28/74-09/26/91	17	40	
CUVA0215	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	07/23/84-09/26/84	0	5	
CUVA0217	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/24/91-09/24/91	0	3	
CUVA0218	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/09/91-09/09/91	0	1	
CUVA0219	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/27/90-09/26/90	0	4	
CUVA0221	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/90-09/26/90	0	5	
CUVA0222	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/28/90-09/26/90	0	4	
CUVA0223	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/12/91-09/12/91	0	1	
CUVA0224	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/23/84-09/24/91	7	23	
CUVA0225	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/15/87-10/29/87	0	3	
CUVA0226	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/15/87-09/24/91	4	16	
CUVA0227	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/25/69-09/29/70	1	4	
CUVA0228	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/16/69-09/29/70	1	7	
CUVA0034	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-09/10/79	0	1	
CUVA0043	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/25/87-03/25/87	0	1	
CUVA0049	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-09/10/79	0	1	
CUVA0052	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0055	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0056	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0059	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0088	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0097	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0099	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0100	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0101	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0102	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0104	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0110	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0111	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0119	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0122	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0123	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0124	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0126	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0127	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0131	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0134	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0135	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0149	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0152	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0158	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0160	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0166	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0167	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0174	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/14/88-04/14/88	0	1	
CUVA0175	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0178	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0182	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0185	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/01/85-08/01/85	0	1	
CUVA0186	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/01/85-10/09/91	6	2	
CUVA0191	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0192	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0202	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0211	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0034	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-09/10/79	0	1	
CUVA0043	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/25/87-03/25/87	0	1	
CUVA0049	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-09/10/79	0	1	
CUVA0052	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0055	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0056	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0059	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0088	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0097	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0099	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0100	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0101	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0102	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0104	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0110	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0111	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0119	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0122	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0123	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0124	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0126	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0127	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0131	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0134	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0135	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0149	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0152	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0158	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0160	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0166	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0167	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0174	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/14/88-04/14/88	0	1	
CUVA0175	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0178	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0182	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0185	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/01/85-08/01/85	0	1	
CUVA0186	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/01/85-10/09/91	6	2	
CUVA0191	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0192	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0202	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0211	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0202	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/10/74-09/17/91	17	59	
CUVA0202	No	01031	CHROMIUM, SUSPEND (UG/L AS CR)	01/10/74-05/04/82	8	18	
CUVA0044	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	07/13/73-09/30/76	3	8	
CUVA0053	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	03/27/75-03/27/75	0	1	
CUVA0060	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	11/07/72-11/07/72	0	1	
CUVA0062	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	05/02/74-01/09/75	0	3	
CUVA0066	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	12/12/73-12/12/73	0	1	
CUVA0070	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	11/07/72-11/07/72	0	1	
CUVA0076	Yes	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	11/07/72-11/07/72	0	1	
CUVA0082	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	11/07/72-11/07/72	0	1	
CUVA0089	Yes	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	12/26/74-01/09/75	0	2	
CUVA0094	Yes	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	10/15/70-10/15/70	0	1	
CUVA0137	Yes	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	07/13/73-03/27/75	1	2	
CUVA0182	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	07/16/73-03/27/75	1	2	
CUVA0191	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	08/04/76-10/13/76	0	2	
CUVA0193	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	12/24/75-03/30/77	1	6	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0194	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	03/07/76-10/13/76	0	2	
CUVA0203	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/16/74-01/13/81	6	28	
CUVA0210	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	06/03/75-06/03/75	0	1	
CUVA0213	Yes	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	11/07/72-11/07/72	0	1	
CUVA0214	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	03/28/74-06/04/75	1	5	
CUVA0216	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	11/07/72-11/07/72	0	1	
CUVA0220	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	11/07/72-11/07/72	0	1	
CUVA0002	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/12/86-08/21/86	0	2	
CUVA0003	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/16/86-09/16/86	0	1	
CUVA0004	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/14/86-11/04/86	0	4	
CUVA0005	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/17/86	0	4	
CUVA0006	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/16/86	0	4	
CUVA0007	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/18/91	5	10	
CUVA0008	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/14/86-11/04/86	0	4	
CUVA0009	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/16/86	0	4	
CUVA0011	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/03/76-05/03/76	0	1	
CUVA0012	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/14/86-11/04/86	0	4	
CUVA0013	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/16/86	0	4	
CUVA0014	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/04/76-05/04/76	0	1	
CUVA0015	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/17/86	0	4	
CUVA0016	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/17/86	0	4	
CUVA0017	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/17/86	0	4	
CUVA0019	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/17/86	0	4	
CUVA0020	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/20/75-06/29/77	1	5	
CUVA0021	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/16/86	0	4	
CUVA0023	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/16/86-09/16/86	0	1	
CUVA0024	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/72-04/12/72	0	1	
CUVA0025	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/72-04/12/72	0	1	
CUVA0026	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/72-04/12/72	0	1	
CUVA0027	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/72-04/12/72	0	1	
CUVA0028	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/72-04/12/72	0	1	
CUVA0029	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/72-04/12/72	0	1	
CUVA0030	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/72-04/12/72	0	1	
CUVA0031	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/72-04/12/72	0	1	
CUVA0032	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/72-04/12/72	0	1	
CUVA0033	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/72-04/12/72	0	1	
CUVA0035	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/17/86	0	4	
CUVA0036	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/72-04/12/72	0	1	
CUVA0039	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/17/86	0	4	
CUVA0040	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/18/91	5	10	
CUVA0041	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/86-12/08/86	0	3	
CUVA0044	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/13/73-09/24/84	11	26	
CUVA0045	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/22/75-06/29/77	1	5	
CUVA0046	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/17/86	0	4	
CUVA0051	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/18/91	5	9	
CUVA0052	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/30/84-09/24/91	7	19	
CUVA0053	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/27/75-09/10/87	12	5	
CUVA0057	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/91-09/24/91	0	6	
CUVA0060	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/72-11/07/72	0	1	
CUVA0062	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	12/26/74-09/10/87	12	14	
CUVA0063	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/28/75-06/29/77	1	5	
CUVA0066	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	12/12/73-07/02/75	1	2	
CUVA0069	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/91-09/24/91	0	6	
CUVA0070	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/72-11/07/72	0	1	
CUVA0072	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/90-08/15/90	0	1	
CUVA0073	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/24/91-09/24/91	0	1	
CUVA0074	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/90-09/24/91	1	2	
CUVA0075	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/90-09/24/91	1	2	
CUVA0076	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/72-11/07/72	0	1	
CUVA0077	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/90-09/24/91	1	2	
CUVA0080	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/16/90-09/24/91	1	2	
CUVA0081	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/90-09/24/91	1	2	
CUVA0082	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/72-11/07/72	0	1	
CUVA0083	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/30/84-09/24/91	7	11	
CUVA0085	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/86-09/09/93	7	9	
CUVA0087	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/87-09/09/93	6	7	
CUVA0088	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/28/75-06/29/77	1	5	
CUVA0089	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	12/26/74-09/24/91	16	10	
CUVA0090	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/15/93-01/05/94	0	3	
CUVA0095	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/86-09/30/93	7	9	
CUVA0096	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/02/80-06/02/80	0	1	
CUVA0099	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/84-09/10/87	3	4	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0100	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/02/84-09/13/84	0	4	
CUVA0101	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/19/84-09/19/84	0	1	
CUVA0103	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/85-09/30/93	8	10	
CUVA0105	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/85-09/30/93	8	10	
CUVA0106	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/02/84-09/13/84	0	4	
CUVA0107	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/87-09/09/93	6	7	
CUVA0108	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/02/84-09/13/84	0	4	
CUVA0109	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/85-09/30/93	8	10	
CUVA0112	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/85-09/30/93	8	9	
CUVA0113	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/85-09/30/93	8	10	
CUVA0114	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/85-09/16/92	7	8	
CUVA0118	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/87-09/30/93	6	7	
CUVA0120	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/15/93-01/05/94	0	4	
CUVA0122	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/24/87-09/10/87	0	3	
CUVA0125	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/85-09/09/93	8	10	
CUVA0126	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/25/84-09/05/84	0	5	
CUVA0127	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/25/84-09/05/84	0	4	
CUVA0128	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/91-09/24/91	0	6	
CUVA0130	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/87-09/09/93	6	8	
CUVA0132	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/86-09/09/93	7	9	
CUVA0133	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/24/84-07/25/84	0	2	
CUVA0135	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/26/84-08/29/91	7	11	
CUVA0136	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/21/87-09/21/87	0	1	
CUVA0137	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/13/73-08/08/84	11	3	
CUVA0138	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/86-09/17/93	7	9	
CUVA0141	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/24/87-09/10/87	0	3	
CUVA0142	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/90-04/23/90	0	1	
CUVA0144	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/25/84-09/05/84	0	4	
CUVA0145	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/24/84-09/05/84	0	5	
CUVA0147	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/87-09/17/93	6	8	
CUVA0151	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/86-09/09/93	7	10	
CUVA0153	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/87-01/05/94	6	12	
CUVA0155	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/28/82-09/22/88	5	2	
CUVA0156	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/28/82-09/22/88	5	2	
CUVA0159	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/86-09/17/93	7	9	
CUVA0162	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/84-10/29/87	3	7	
CUVA0163	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/87-09/17/93	6	8	
CUVA0164	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/86-09/17/93	7	9	
CUVA0165	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/30/91-07/31/91	0	2	
CUVA0166	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/26/84-08/29/91	7	8	
CUVA0167	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/75-09/11/79	4	109	
CUVA0168	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/03/82-01/11/83	0	2	
CUVA0169	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/11/83-01/11/83	0	1	
CUVA0170	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/02/84-03/28/85	0	2	
CUVA0171	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/28/85-03/28/85	0	1	
CUVA0172	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	12/14/78-08/29/91	12	9	
CUVA0174	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/28/85-04/14/88	3	2	
CUVA0176	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/26/84-08/30/84	0	3	
CUVA0177	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/28/85-03/28/85	0	1	
CUVA0178	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/28/85-03/28/85	0	1	
CUVA0179	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/26/84-07/31/91	7	8	
CUVA0180	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/31/84-10/31/84	0	1	
CUVA0181	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/26/84-09/26/85	1	5	
CUVA0182	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/27/75-08/29/91	16	4	
CUVA0183	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/31/84-03/28/85	0	2	
CUVA0187	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/15/87-09/24/91	4	10	
CUVA0188	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/31/91-07/31/91	0	2	
CUVA0189	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/26/84-08/29/91	7	9	
CUVA0191	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/04/76-07/31/91	14	5	
CUVA0192	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/13/75-07/28/77	1	5	
CUVA0193	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	12/24/75-06/18/81	5	25	
CUVA0194	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/07/76-08/29/91	15	7	
CUVA0196	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/26/84-10/02/84	0	4	
CUVA0197	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/26/84-10/02/84	0	4	
CUVA0198	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/13/75-07/28/77	1	5	
CUVA0202	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/10/74-06/15/82	8	23	
CUVA0203	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	20	208	T,A
CUVA0205	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/18/85-04/18/85	0	1	
CUVA0207	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/18/85-04/18/85	0	1	
CUVA0209	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/15/87-10/29/87	0	4	
CUVA0210	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/03/75-06/03/75	0	1	
CUVA0212	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/31/90-08/22/90	0	8	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0213	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/72-11/07/72	0	1	
CUVA0214	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	02/14/74-09/26/91	17	43	
CUVA0215	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/23/84-09/26/84	0	5	
CUVA0216	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/72-11/07/72	0	1	
CUVA0217	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/24/91-09/24/91	0	3	
CUVA0218	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/09/91-09/09/91	0	1	
CUVA0219	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/27/90-09/26/90	0	4	
CUVA0220	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/72-11/07/72	0	1	
CUVA0221	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/90-09/26/90	0	5	
CUVA0222	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/28/90-09/26/90	0	4	
CUVA0223	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/12/91-09/12/91	0	1	
CUVA0224	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/23/84-09/24/91	7	23	
CUVA0225	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/15/87-10/29/87	0	3	
CUVA0226	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/15/87-09/24/91	4	17	
CUVA0227	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/25/69-09/29/70	1	4	
CUVA0228	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/16/69-09/29/70	1	7	
CUVA0094	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	10/15/70-10/15/70	0	1	
CUVA0202	No	01035	COBALT, DISSOLVED (UG/L AS CO)	01/10/74-12/15/94	20	70	
CUVA0202	No	01036	COBALT, SUSPENDED (UG/L AS CO)	01/10/74-06/15/82	8	20	
CUVA0011	No	01037	COBALT, TOTAL (UG/L AS CO)	05/03/76-05/03/76	0	1	
CUVA0014	No	01037	COBALT, TOTAL (UG/L AS CO)	05/04/76-05/04/76	0	1	
CUVA0096	No	01037	COBALT, TOTAL (UG/L AS CO)	06/02/80-06/02/80	0	1	
CUVA0202	No	01037	COBALT, TOTAL (UG/L AS CO)	01/10/74-06/15/82	8	22	
CUVA0203	No	01037	COBALT, TOTAL (UG/L AS CO)	09/11/91-09/26/91	0	6	
CUVA0214	No	01037	COBALT, TOTAL (UG/L AS CO)	09/11/91-09/26/91	0	6	
CUVA0034	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/10/79-09/10/79	0	1	
CUVA0049	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/10/79-09/10/79	0	1	
CUVA0088	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0097	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0102	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0104	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0110	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0111	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0119	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0123	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0124	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0131	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0134	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0149	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0152	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0158	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0160	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0167	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0192	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0202	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0024	No	01040	COPPER, DISSOLVED (UG/L AS CU)	04/12/72-04/12/72	0	1	
CUVA0025	No	01040	COPPER, DISSOLVED (UG/L AS CU)	04/12/72-04/12/72	0	1	
CUVA0026	No	01040	COPPER, DISSOLVED (UG/L AS CU)	04/12/72-04/12/72	0	1	
CUVA0027	No	01040	COPPER, DISSOLVED (UG/L AS CU)	04/12/72-04/12/72	0	1	
CUVA0028	No	01040	COPPER, DISSOLVED (UG/L AS CU)	04/12/72-04/12/72	0	1	
CUVA0029	No	01040	COPPER, DISSOLVED (UG/L AS CU)	04/12/72-04/12/72	0	1	
CUVA0030	No	01040	COPPER, DISSOLVED (UG/L AS CU)	04/12/72-04/12/72	0	1	
CUVA0031	No	01040	COPPER, DISSOLVED (UG/L AS CU)	04/12/72-04/12/72	0	1	
CUVA0032	No	01040	COPPER, DISSOLVED (UG/L AS CU)	04/12/72-04/12/72	0	1	
CUVA0033	No	01040	COPPER, DISSOLVED (UG/L AS CU)	04/12/72-04/12/72	0	1	
CUVA0036	No	01040	COPPER, DISSOLVED (UG/L AS CU)	04/12/72-04/12/72	0	1	
CUVA0060	No	01040	COPPER, DISSOLVED (UG/L AS CU)	11/07/72-11/07/72	0	1	
CUVA0070	No	01040	COPPER, DISSOLVED (UG/L AS CU)	11/07/72-11/07/72	0	1	
CUVA0076	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	11/07/72-11/07/72	0	1	
CUVA0082	No	01040	COPPER, DISSOLVED (UG/L AS CU)	11/07/72-11/07/72	0	1	
CUVA0202	No	01040	COPPER, DISSOLVED (UG/L AS CU)	01/10/74-09/17/91	17	59	
CUVA0213	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	11/07/72-11/07/72	0	1	
CUVA0216	No	01040	COPPER, DISSOLVED (UG/L AS CU)	11/07/72-11/07/72	0	1	
CUVA0220	No	01040	COPPER, DISSOLVED (UG/L AS CU)	11/07/72-11/07/72	0	1	
CUVA0202	No	01041	COPPER, SUSPENDED (UG/L AS CU)	01/10/74-06/15/82	8	23	
CUVA0001	No	01042	COPPER, TOTAL (UG/L AS CU)	10/18/78-10/18/78	0	1	
CUVA0002	No	01042	COPPER, TOTAL (UG/L AS CU)	07/22/86-09/18/86	0	5	
CUVA0003	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/16/86	0	5	
CUVA0004	No	01042	COPPER, TOTAL (UG/L AS CU)	04/24/86-11/04/86	0	8	
CUVA0005	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/17/86	0	5	
CUVA0006	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/16/86	0	5	
CUVA0007	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/18/91	5	11	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0008	No	01042	COPPER, TOTAL (UG/L AS CU)	04/24/86-11/04/86	0	8	
CUVA0009	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/16/86	0	5	
CUVA0011	No	01042	COPPER, TOTAL (UG/L AS CU)	05/03/76-05/03/76	0	1	
CUVA0012	No	01042	COPPER, TOTAL (UG/L AS CU)	04/24/86-11/04/86	0	8	
CUVA0013	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/16/86	0	5	
CUVA0014	No	01042	COPPER, TOTAL (UG/L AS CU)	05/04/76-05/04/76	0	1	
CUVA0015	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/17/86	0	5	
CUVA0016	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/17/86	0	5	
CUVA0017	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/17/86	0	5	
CUVA0019	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/17/86	0	5	
CUVA0020	No	01042	COPPER, TOTAL (UG/L AS CU)	08/20/75-06/29/77	1	5	
CUVA0021	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/16/86	0	5	
CUVA0022	No	01042	COPPER, TOTAL (UG/L AS CU)	07/22/86-09/18/86	0	5	
CUVA0023	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/16/86	0	5	
CUVA0035	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/17/86	0	5	
CUVA0037	No	01042	COPPER, TOTAL (UG/L AS CU)	07/22/86-09/18/86	0	5	
CUVA0039	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/17/86	0	5	
CUVA0040	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/18/91	5	11	
CUVA0041	No	01042	COPPER, TOTAL (UG/L AS CU)	08/21/86-12/08/86	0	3	
CUVA0042	No	01042	COPPER, TOTAL (UG/L AS CU)	07/22/86-09/18/86	0	5	
CUVA0043	No	01042	COPPER, TOTAL (UG/L AS CU)	07/22/86-09/18/86	0	5	
CUVA0044	No	01042	COPPER, TOTAL (UG/L AS CU)	07/13/73-09/18/86	13	47	
CUVA0045	No	01042	COPPER, TOTAL (UG/L AS CU)	08/22/75-06/29/77	1	5	
CUVA0046	No	01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/17/86	0	5	
CUVA0048	No	01042	COPPER, TOTAL (UG/L AS CU)	08/17/88-08/17/88	0	1	
CUVA0051	No	01042	COPPER, TOTAL (UG/L AS CU)	07/22/86-09/18/91	5	11	
CUVA0052	No	01042	COPPER, TOTAL (UG/L AS CU)	07/30/84-09/24/91	7	19	
CUVA0053	No	01042	COPPER, TOTAL (UG/L AS CU)	03/27/75-09/10/87	12	6	
CUVA0057	No	01042	COPPER, TOTAL (UG/L AS CU)	07/11/91-09/24/91	0	6	
CUVA0061	No	01042	COPPER, TOTAL (UG/L AS CU)	07/30/84-09/24/84	0	5	
CUVA0062	No	01042	COPPER, TOTAL (UG/L AS CU)	05/02/74-10/24/89	15	25	
CUVA0063	No	01042	COPPER, TOTAL (UG/L AS CU)	07/28/75-06/29/77	1	5	
CUVA0066	No	01042	COPPER, TOTAL (UG/L AS CU)	07/02/75-07/02/75	0	1	
CUVA0069	No	01042	COPPER, TOTAL (UG/L AS CU)	07/11/91-09/24/91	0	6	
CUVA0072	No	01042	COPPER, TOTAL (UG/L AS CU)	08/15/90-08/15/90	0	1	
CUVA0073	No	01042	COPPER, TOTAL (UG/L AS CU)	09/24/91-09/24/91	0	1	
CUVA0074	No	01042	COPPER, TOTAL (UG/L AS CU)	08/15/90-09/24/91	1	3	
CUVA0075	No	01042	COPPER, TOTAL (UG/L AS CU)	08/15/90-09/24/91	1	2	
CUVA0077	No	01042	COPPER, TOTAL (UG/L AS CU)	08/15/90-09/24/91	1	2	
CUVA0080	No	01042	COPPER, TOTAL (UG/L AS CU)	08/16/90-09/24/91	1	2	
CUVA0081	No	01042	COPPER, TOTAL (UG/L AS CU)	08/15/90-09/24/91	1	2	
CUVA0083	No	01042	COPPER, TOTAL (UG/L AS CU)	07/30/84-09/24/91	7	12	
CUVA0085	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/23/86-09/09/93	7	9	
CUVA0087	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/29/87-09/09/93	6	7	
CUVA0088	Yes	01042	COPPER, TOTAL (UG/L AS CU)	07/28/75-06/29/77	1	5	
CUVA0089	Yes	01042	COPPER, TOTAL (UG/L AS CU)	12/26/74-09/24/91	16	23	
CUVA0090	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/15/93-01/05/94	0	3	
CUVA0095	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/23/86-09/30/93	7	9	
CUVA0096	No	01042	COPPER, TOTAL (UG/L AS CU)	06/02/80-06/02/80	0	1	
CUVA0098	Yes	01042	COPPER, TOTAL (UG/L AS CU)	08/15/91-08/15/91	0	1	
CUVA0099	Yes	01042	COPPER, TOTAL (UG/L AS CU)	07/30/84-10/24/89	5	14	
CUVA0100	No	01042	COPPER, TOTAL (UG/L AS CU)	08/02/84-09/13/84	0	4	
CUVA0101	No	01042	COPPER, TOTAL (UG/L AS CU)	09/19/84-09/19/84	0	1	
CUVA0103	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/23/85-09/30/93	8	10	
CUVA0105	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/23/85-09/30/93	8	10	
CUVA0106	No	01042	COPPER, TOTAL (UG/L AS CU)	08/02/84-09/13/84	0	4	
CUVA0107	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/29/87-09/09/93	6	7	
CUVA0108	No	01042	COPPER, TOTAL (UG/L AS CU)	08/02/84-09/13/84	0	4	
CUVA0109	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/23/85-09/30/93	8	10	
CUVA0112	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/30/85-09/30/93	8	9	
CUVA0113	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/30/85-09/30/93	8	10	
CUVA0114	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/30/85-09/16/92	7	8	
CUVA0118	No	01042	COPPER, TOTAL (UG/L AS CU)	04/29/87-09/30/93	6	7	
CUVA0120	No	01042	COPPER, TOTAL (UG/L AS CU)	04/15/93-01/05/94	0	4	
CUVA0122	No	01042	COPPER, TOTAL (UG/L AS CU)	06/24/87-09/10/87	0	3	
CUVA0125	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/30/85-09/09/93	8	10	
CUVA0126	No	01042	COPPER, TOTAL (UG/L AS CU)	07/25/84-07/24/91	6	6	
CUVA0127	No	01042	COPPER, TOTAL (UG/L AS CU)	07/25/84-07/24/91	6	5	
CUVA0128	Yes	01042	COPPER, TOTAL (UG/L AS CU)	07/11/91-09/24/91	0	6	
CUVA0130	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/29/87-09/09/93	6	8	
CUVA0132	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/23/86-09/09/93	7	9	
CUVA0133	Yes	01042	COPPER, TOTAL (UG/L AS CU)	07/24/84-07/24/84	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0135	No	01042	COPPER, TOTAL (UG/L AS CU)	08/01/76-08/29/91	15	13	
CUVA0136	No	01042	COPPER, TOTAL (UG/L AS CU)	09/21/87-07/24/91	3	2	
CUVA0137	Yes	01042	COPPER, TOTAL (UG/L AS CU)	07/13/73-07/24/91	18	9	
CUVA0138	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/30/86-09/17/93	7	9	
CUVA0141	Yes	01042	COPPER, TOTAL (UG/L AS CU)	06/24/87-09/10/87	0	3	
CUVA0142	No	01042	COPPER, TOTAL (UG/L AS CU)	04/23/90-04/23/90	0	1	
CUVA0144	No	01042	COPPER, TOTAL (UG/L AS CU)	08/08/84-09/05/84	0	3	
CUVA0145	No	01042	COPPER, TOTAL (UG/L AS CU)	07/24/84-09/05/84	0	4	
CUVA0147	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/29/87-09/17/93	6	8	
CUVA0151	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/30/86-09/09/93	7	10	
CUVA0153	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/29/87-01/05/94	6	12	
CUVA0155	No	01042	COPPER, TOTAL (UG/L AS CU)	10/28/82-09/22/88	5	2	
CUVA0156	No	01042	COPPER, TOTAL (UG/L AS CU)	10/28/82-09/22/88	5	2	
CUVA0159	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/30/86-09/17/93	7	9	
CUVA0162	Yes	01042	COPPER, TOTAL (UG/L AS CU)	08/15/84-10/29/87	3	7	
CUVA0163	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/29/87-09/17/93	6	8	
CUVA0164	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/30/86-09/17/93	7	9	
CUVA0165	No	01042	COPPER, TOTAL (UG/L AS CU)	07/30/91-07/31/91	0	2	
CUVA0166	Yes	01042	COPPER, TOTAL (UG/L AS CU)	07/26/84-08/29/91	7	9	
CUVA0167	Yes	01042	COPPER, TOTAL (UG/L AS CU)	07/09/75-09/11/79	4	109	
CUVA0168	No	01042	COPPER, TOTAL (UG/L AS CU)	01/11/83-01/11/83	0	1	
CUVA0169	No	01042	COPPER, TOTAL (UG/L AS CU)	01/11/83-01/11/83	0	1	
CUVA0170	Yes	01042	COPPER, TOTAL (UG/L AS CU)	03/28/85-03/28/85	0	1	
CUVA0171	No	01042	COPPER, TOTAL (UG/L AS CU)	03/28/85-03/28/85	0	1	
CUVA0172	Yes	01042	COPPER, TOTAL (UG/L AS CU)	12/14/78-08/29/91	12	11	
CUVA0174	No	01042	COPPER, TOTAL (UG/L AS CU)	03/28/85-04/14/88	3	2	
CUVA0176	Yes	01042	COPPER, TOTAL (UG/L AS CU)	07/26/84-10/02/84	0	4	
CUVA0177	Yes	01042	COPPER, TOTAL (UG/L AS CU)	03/28/85-03/28/85	0	1	
CUVA0178	No	01042	COPPER, TOTAL (UG/L AS CU)	03/28/85-03/28/85	0	1	
CUVA0179	No	01042	COPPER, TOTAL (UG/L AS CU)	07/26/84-07/31/91	7	8	
CUVA0180	No	01042	COPPER, TOTAL (UG/L AS CU)	10/31/84-10/31/84	0	1	
CUVA0181	Yes	01042	COPPER, TOTAL (UG/L AS CU)	07/26/84-09/26/85	1	5	
CUVA0182	No	01042	COPPER, TOTAL (UG/L AS CU)	07/16/73-08/29/91	18	5	
CUVA0183	No	01042	COPPER, TOTAL (UG/L AS CU)	10/31/84-03/28/85	0	2	
CUVA0187	Yes	01042	COPPER, TOTAL (UG/L AS CU)	08/02/84-09/24/91	7	14	
CUVA0188	No	01042	COPPER, TOTAL (UG/L AS CU)	07/31/91-07/31/91	0	2	
CUVA0189	No	01042	COPPER, TOTAL (UG/L AS CU)	07/26/84-08/29/91	7	9	
CUVA0191	No	01042	COPPER, TOTAL (UG/L AS CU)	08/04/76-07/31/91	14	5	
CUVA0192	No	01042	COPPER, TOTAL (UG/L AS CU)	08/13/75-07/28/77	1	5	
CUVA0193	No	01042	COPPER, TOTAL (UG/L AS CU)	12/24/75-06/18/81	5	18	
CUVA0194	No	01042	COPPER, TOTAL (UG/L AS CU)	03/07/76-08/29/91	15	8	
CUVA0196	No	01042	COPPER, TOTAL (UG/L AS CU)	07/26/84-10/02/84	0	4	
CUVA0197	No	01042	COPPER, TOTAL (UG/L AS CU)	07/26/84-10/02/84	0	4	
CUVA0198	Yes	01042	COPPER, TOTAL (UG/L AS CU)	08/13/75-07/28/77	1	5	
CUVA0202	No	01042	COPPER, TOTAL (UG/L AS CU)	01/10/74-06/15/82	8	23	
CUVA0203	No	01042	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	20	262	T,A
CUVA0205	No	01042	COPPER, TOTAL (UG/L AS CU)	04/18/85-04/18/85	0	1	
CUVA0206	No	01042	COPPER, TOTAL (UG/L AS CU)	11/06/75-11/06/75	0	1	
CUVA0207	No	01042	COPPER, TOTAL (UG/L AS CU)	04/18/85-04/18/85	0	1	
CUVA0209	No	01042	COPPER, TOTAL (UG/L AS CU)	07/22/76-10/29/87	11	5	
CUVA0212	No	01042	COPPER, TOTAL (UG/L AS CU)	05/31/90-08/22/90	0	8	
CUVA0214	No	01042	COPPER, TOTAL (UG/L AS CU)	02/14/74-09/26/91	17	50	
CUVA0215	Yes	01042	COPPER, TOTAL (UG/L AS CU)	07/23/84-09/26/84	0	5	
CUVA0217	No	01042	COPPER, TOTAL (UG/L AS CU)	07/24/91-09/24/91	0	3	
CUVA0218	No	01042	COPPER, TOTAL (UG/L AS CU)	09/09/91-09/09/91	0	1	
CUVA0219	No	01042	COPPER, TOTAL (UG/L AS CU)	08/27/90-09/26/90	0	4	
CUVA0221	No	01042	COPPER, TOTAL (UG/L AS CU)	08/21/90-09/26/90	0	5	
CUVA0222	No	01042	COPPER, TOTAL (UG/L AS CU)	08/28/90-09/26/90	0	4	
CUVA0223	No	01042	COPPER, TOTAL (UG/L AS CU)	09/12/91-09/12/91	0	1	
CUVA0224	No	01042	COPPER, TOTAL (UG/L AS CU)	07/23/84-09/24/91	7	23	
CUVA0225	No	01042	COPPER, TOTAL (UG/L AS CU)	09/15/87-10/29/87	0	3	
CUVA0226	No	01042	COPPER, TOTAL (UG/L AS CU)	07/15/87-09/24/91	4	17	
CUVA0227	No	01042	COPPER, TOTAL (UG/L AS CU)	09/25/69-09/29/70	1	4	
CUVA0228	No	01042	COPPER, TOTAL (UG/L AS CU)	09/16/69-09/29/70	1	7	
CUVA0034	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/10/79-09/10/79	0	1	
CUVA0043	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	03/25/87-03/25/87	0	1	
CUVA0049	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/10/79-09/10/79	0	1	
CUVA0052	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0055	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0056	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0059	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0088	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/17/82-08/17/82	0	1	

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Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0097	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0099	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0100	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0101	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0102	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0104	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0110	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0111	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0119	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0122	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0123	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0124	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0126	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0127	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0131	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0134	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0135	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0149	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0152	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0158	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0160	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0166	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0167	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0174	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	04/14/88-04/14/88	0	1	
CUVA0175	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0178	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0182	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0185	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/01/85-08/01/85	0	1	
CUVA0186	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/01/85-10/09/91	6	2	
CUVA0191	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0192	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0202	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0211	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0034	No	01044	IRON, SUSPENDED (UG/L AS FE)	04/24/79-03/09/80	0	2	
CUVA0049	No	01044	IRON, SUSPENDED (UG/L AS FE)	04/23/79-03/08/80	0	2	
CUVA0202	No	01044	IRON, SUSPENDED (UG/L AS FE)	10/18/78-06/15/82	3	12	
CUVA0001	No	01045	IRON, TOTAL (UG/L AS FE)	10/18/78-10/18/78	0	1	
CUVA0002	No	01045	IRON, TOTAL (UG/L AS FE)	07/22/86-09/18/86	0	5	
CUVA0003	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/16/86	0	5	
CUVA0004	No	01045	IRON, TOTAL (UG/L AS FE)	04/24/86-11/04/86	0	8	
CUVA0005	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/17/86	0	5	
CUVA0006	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/16/86	0	5	
CUVA0007	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/18/91	5	6	
CUVA0008	No	01045	IRON, TOTAL (UG/L AS FE)	04/24/86-11/04/86	0	8	
CUVA0009	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/16/86	0	5	
CUVA0011	No	01045	IRON, TOTAL (UG/L AS FE)	05/03/76-05/03/76	0	1	
CUVA0012	No	01045	IRON, TOTAL (UG/L AS FE)	04/24/86-11/04/86	0	8	
CUVA0013	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/16/86	0	5	
CUVA0014	No	01045	IRON, TOTAL (UG/L AS FE)	05/04/76-05/04/76	0	1	
CUVA0015	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/17/86	0	5	
CUVA0016	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/17/86	0	5	
CUVA0017	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/17/86	0	5	
CUVA0019	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/17/86	0	5	
CUVA0021	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/16/86	0	5	
CUVA0022	No	01045	IRON, TOTAL (UG/L AS FE)	07/22/86-09/18/86	0	5	
CUVA0023	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/16/86	0	5	
CUVA0024	No	01045	IRON, TOTAL (UG/L AS FE)	04/12/72-04/12/72	0	1	
CUVA0025	No	01045	IRON, TOTAL (UG/L AS FE)	04/12/72-04/12/72	0	1	
CUVA0026	No	01045	IRON, TOTAL (UG/L AS FE)	04/12/72-04/12/72	0	1	
CUVA0027	No	01045	IRON, TOTAL (UG/L AS FE)	04/12/72-04/12/72	0	1	
CUVA0028	No	01045	IRON, TOTAL (UG/L AS FE)	04/12/72-04/12/72	0	1	
CUVA0029	No	01045	IRON, TOTAL (UG/L AS FE)	04/12/72-04/12/72	0	1	
CUVA0030	No	01045	IRON, TOTAL (UG/L AS FE)	04/12/72-04/12/72	0	1	
CUVA0031	No	01045	IRON, TOTAL (UG/L AS FE)	04/12/72-04/12/72	0	1	
CUVA0032	No	01045	IRON, TOTAL (UG/L AS FE)	04/12/72-04/12/72	0	1	
CUVA0033	No	01045	IRON, TOTAL (UG/L AS FE)	04/12/72-04/12/72	0	1	
CUVA0034	No	01045	IRON, TOTAL (UG/L AS FE)	04/24/79-03/09/80	0	3	
CUVA0035	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/17/86	0	5	
CUVA0036	No	01045	IRON, TOTAL (UG/L AS FE)	04/12/72-04/12/72	0	1	
CUVA0037	No	01045	IRON, TOTAL (UG/L AS FE)	07/22/86-09/18/86	0	5	
CUVA0039	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/17/86	0	5	
CUVA0040	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/86-08/28/91	5	6	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0041	No	01045	IRON, TOTAL (UG/L AS FE)	08/21/86-12/08/86	0	3	
CUVA0042	No	01045	IRON, TOTAL (UG/L AS FE)	07/22/86-09/18/86	0	5	
CUVA0043	No	01045	IRON, TOTAL (UG/L AS FE)	07/22/86-09/18/86	0	5	
CUVA0044	No	01045	IRON, TOTAL (UG/L AS FE)	10/24/73-09/18/86	12	33	
CUVA0046	No	01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/17/86	0	5	
CUVA0048	No	01045	IRON, TOTAL (UG/L AS FE)	08/17/88-08/17/88	0	1	
CUVA0049	No	01045	IRON, TOTAL (UG/L AS FE)	04/23/79-03/08/80	0	3	
CUVA0051	No	01045	IRON, TOTAL (UG/L AS FE)	07/22/86-09/18/86	0	5	
CUVA0052	No	01045	IRON, TOTAL (UG/L AS FE)	07/30/84-09/10/87	3	13	
CUVA0053	No	01045	IRON, TOTAL (UG/L AS FE)	11/03/81-07/02/91	9	30	
CUVA0057	No	01045	IRON, TOTAL (UG/L AS FE)	07/11/91-07/11/91	0	1	
CUVA0060	No	01045	IRON, TOTAL (UG/L AS FE)	11/07/72-11/07/72	0	1	
CUVA0061	No	01045	IRON, TOTAL (UG/L AS FE)	08/14/84-08/14/84	0	1	
CUVA0062	No	01045	IRON, TOTAL (UG/L AS FE)	05/02/74-10/24/89	15	23	
CUVA0070	No	01045	IRON, TOTAL (UG/L AS FE)	11/07/72-11/07/72	0	1	
CUVA0073	No	01045	IRON, TOTAL (UG/L AS FE)	09/24/91-09/24/91	0	1	
CUVA0074	No	01045	IRON, TOTAL (UG/L AS FE)	08/15/91-09/24/91	0	2	
CUVA0075	No	01045	IRON, TOTAL (UG/L AS FE)	09/24/91-09/24/91	0	1	
CUVA0076	Yes	01045	IRON, TOTAL (UG/L AS FE)	11/07/72-11/07/72	0	1	
CUVA0077	No	01045	IRON, TOTAL (UG/L AS FE)	09/24/91-09/24/91	0	1	
CUVA0080	No	01045	IRON, TOTAL (UG/L AS FE)	09/24/91-09/24/91	0	1	
CUVA0081	No	01045	IRON, TOTAL (UG/L AS FE)	09/24/91-09/24/91	0	1	
CUVA0082	No	01045	IRON, TOTAL (UG/L AS FE)	11/07/72-11/07/72	0	1	
CUVA0083	No	01045	IRON, TOTAL (UG/L AS FE)	07/30/84-08/28/91	7	9	
CUVA0085	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/23/86-09/09/93	7	9	
CUVA0087	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/29/87-09/09/93	6	7	
CUVA0089	Yes	01045	IRON, TOTAL (UG/L AS FE)	12/26/74-10/24/89	14	16	
CUVA0090	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/15/93-01/05/94	0	3	
CUVA0095	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/23/86-09/30/93	7	9	
CUVA0096	No	01045	IRON, TOTAL (UG/L AS FE)	06/02/80-06/02/80	0	1	
CUVA0098	Yes	01045	IRON, TOTAL (UG/L AS FE)	08/15/91-08/15/91	0	1	
CUVA0099	Yes	01045	IRON, TOTAL (UG/L AS FE)	07/30/84-10/24/89	5	14	
CUVA0103	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/23/85-09/30/93	8	10	
CUVA0105	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/23/85-09/30/93	8	10	
CUVA0107	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/29/87-09/09/93	6	7	
CUVA0109	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/23/85-09/30/93	8	10	
CUVA0112	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/30/85-09/30/93	8	9	
CUVA0113	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/30/85-09/30/93	8	10	
CUVA0114	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/30/85-09/16/92	7	8	
CUVA0118	No	01045	IRON, TOTAL (UG/L AS FE)	04/29/87-09/30/93	6	7	
CUVA0120	No	01045	IRON, TOTAL (UG/L AS FE)	04/15/93-01/05/94	0	4	
CUVA0122	No	01045	IRON, TOTAL (UG/L AS FE)	06/24/87-09/10/87	0	3	
CUVA0125	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/30/85-09/09/93	8	10	
CUVA0126	No	01045	IRON, TOTAL (UG/L AS FE)	07/25/84-07/24/91	6	3	
CUVA0127	No	01045	IRON, TOTAL (UG/L AS FE)	07/24/91-07/24/91	0	1	
CUVA0130	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/29/87-09/09/93	6	8	
CUVA0132	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/23/86-09/09/93	7	9	
CUVA0133	Yes	01045	IRON, TOTAL (UG/L AS FE)	07/25/84-07/25/84	0	1	
CUVA0135	No	01045	IRON, TOTAL (UG/L AS FE)	11/07/72-08/29/91	18	10	
CUVA0136	No	01045	IRON, TOTAL (UG/L AS FE)	07/24/91-07/24/91	0	1	
CUVA0137	Yes	01045	IRON, TOTAL (UG/L AS FE)	07/25/84-07/24/91	6	3	
CUVA0138	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/30/86-09/17/93	7	9	
CUVA0141	Yes	01045	IRON, TOTAL (UG/L AS FE)	06/24/87-09/10/87	0	3	
CUVA0142	No	01045	IRON, TOTAL (UG/L AS FE)	04/23/90-04/23/90	0	1	
CUVA0144	No	01045	IRON, TOTAL (UG/L AS FE)	07/25/84-07/25/84	0	1	
CUVA0145	No	01045	IRON, TOTAL (UG/L AS FE)	07/24/84-07/25/84	0	2	
CUVA0147	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/29/87-09/17/93	6	8	
CUVA0151	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/30/86-09/09/93	7	10	
CUVA0153	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/29/87-01/05/94	6	12	
CUVA0155	No	01045	IRON, TOTAL (UG/L AS FE)	10/28/82-09/22/88	5	2	
CUVA0156	No	01045	IRON, TOTAL (UG/L AS FE)	10/28/82-09/22/88	5	2	
CUVA0159	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/30/86-09/17/93	7	9	
CUVA0162	Yes	01045	IRON, TOTAL (UG/L AS FE)	08/15/84-10/29/87	3	7	
CUVA0163	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/29/87-09/17/93	6	8	
CUVA0164	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/30/86-09/17/93	7	9	
CUVA0165	No	01045	IRON, TOTAL (UG/L AS FE)	07/30/91-07/31/91	0	2	
CUVA0166	Yes	01045	IRON, TOTAL (UG/L AS FE)	07/26/84-08/29/91	7	7	
CUVA0167	Yes	01045	IRON, TOTAL (UG/L AS FE)	07/09/75-09/11/79	4	109	
CUVA0168	No	01045	IRON, TOTAL (UG/L AS FE)	11/03/82-01/11/83	0	2	
CUVA0169	No	01045	IRON, TOTAL (UG/L AS FE)	01/11/83-01/11/83	0	1	
CUVA0170	Yes	01045	IRON, TOTAL (UG/L AS FE)	03/28/85-03/28/85	0	1	
CUVA0171	No	01045	IRON, TOTAL (UG/L AS FE)	03/28/85-03/28/85	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0172	Yes	01045	IRON, TOTAL (UG/L AS FE)	12/14/78-08/29/91	12	9	
CUVA0174	No	01045	IRON, TOTAL (UG/L AS FE)	03/28/85-04/14/88	3	2	
CUVA0176	Yes	01045	IRON, TOTAL (UG/L AS FE)	07/26/84-10/02/84	0	4	
CUVA0177	Yes	01045	IRON, TOTAL (UG/L AS FE)	03/28/85-03/28/85	0	1	
CUVA0178	No	01045	IRON, TOTAL (UG/L AS FE)	03/28/85-03/28/85	0	1	
CUVA0179	No	01045	IRON, TOTAL (UG/L AS FE)	07/26/84-07/31/91	7	7	
CUVA0180	No	01045	IRON, TOTAL (UG/L AS FE)	10/31/84-10/31/84	0	1	
CUVA0181	Yes	01045	IRON, TOTAL (UG/L AS FE)	07/26/84-09/26/85	1	5	
CUVA0182	No	01045	IRON, TOTAL (UG/L AS FE)	03/27/75-08/29/91	16	4	
CUVA0183	No	01045	IRON, TOTAL (UG/L AS FE)	10/31/84-03/28/85	0	2	
CUVA0187	Yes	01045	IRON, TOTAL (UG/L AS FE)	08/02/84-10/29/87	3	9	
CUVA0189	No	01045	IRON, TOTAL (UG/L AS FE)	07/26/84-08/29/91	7	7	
CUVA0191	No	01045	IRON, TOTAL (UG/L AS FE)	10/13/76-10/13/76	0	1	
CUVA0193	No	01045	IRON, TOTAL (UG/L AS FE)	12/24/75-06/18/81	5	22	
CUVA0194	No	01045	IRON, TOTAL (UG/L AS FE)	10/13/76-08/29/91	14	4	
CUVA0196	No	01045	IRON, TOTAL (UG/L AS FE)	07/26/84-10/02/84	0	4	
CUVA0197	No	01045	IRON, TOTAL (UG/L AS FE)	07/26/84-10/02/84	0	4	
CUVA0202	No	01045	IRON, TOTAL (UG/L AS FE)	01/10/74-06/15/82	8	22	
CUVA0203	No	01045	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	20	217	T,A
CUVA0205	No	01045	IRON, TOTAL (UG/L AS FE)	04/18/85-04/18/85	0	1	
CUVA0207	No	01045	IRON, TOTAL (UG/L AS FE)	04/18/85-04/18/85	0	1	
CUVA0209	No	01045	IRON, TOTAL (UG/L AS FE)	07/22/76-10/29/87	11	5	
CUVA0210	No	01045	IRON, TOTAL (UG/L AS FE)	06/03/75-06/03/75	0	1	
CUVA0213	Yes	01045	IRON, TOTAL (UG/L AS FE)	11/07/72-11/07/72	0	1	
CUVA0214	No	01045	IRON, TOTAL (UG/L AS FE)	02/14/74-09/26/91	17	33	
CUVA0215	Yes	01045	IRON, TOTAL (UG/L AS FE)	07/23/84-09/26/84	0	5	
CUVA0216	No	01045	IRON, TOTAL (UG/L AS FE)	11/07/72-11/07/72	0	1	
CUVA0218	No	01045	IRON, TOTAL (UG/L AS FE)	09/09/91-09/09/91	0	1	
CUVA0220	No	01045	IRON, TOTAL (UG/L AS FE)	11/07/72-11/07/72	0	1	
CUVA0223	No	01045	IRON, TOTAL (UG/L AS FE)	09/12/91-09/12/91	0	1	
CUVA0224	No	01045	IRON, TOTAL (UG/L AS FE)	07/23/84-09/26/84	0	5	
CUVA0225	No	01045	IRON, TOTAL (UG/L AS FE)	09/15/87-10/29/87	0	3	
CUVA0226	No	01045	IRON, TOTAL (UG/L AS FE)	07/15/87-10/29/87	0	5	
CUVA0227	No	01045	IRON, TOTAL (UG/L AS FE)	09/25/69-09/29/70	1	4	
CUVA0228	No	01045	IRON, TOTAL (UG/L AS FE)	09/16/69-09/29/70	1	7	
CUVA0020	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/10/74-06/29/77	2	7	
CUVA0034	No	01046	IRON, DISSOLVED (UG/L AS FE)	04/24/79-03/09/80	0	3	
CUVA0044	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/05/73-09/12/73	0	2	
CUVA0045	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/10/74-06/29/77	2	7	
CUVA0049	No	01046	IRON, DISSOLVED (UG/L AS FE)	04/23/79-03/08/80	0	3	
CUVA0063	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/10/74-06/29/77	2	7	
CUVA0088	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/10/74-06/29/77	2	7	
CUVA0192	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/14/74-07/28/77	2	7	
CUVA0198	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	08/22/74-07/28/77	2	7	
CUVA0202	No	01046	IRON, DISSOLVED (UG/L AS FE)	01/10/74-12/15/94	20	70	
CUVA0203	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/21/73-09/27/73	0	3	
CUVA0024	No	01049	LEAD, DISSOLVED (UG/L AS PB)	04/12/72-04/12/72	0	1	
CUVA0025	No	01049	LEAD, DISSOLVED (UG/L AS PB)	04/12/72-04/12/72	0	1	
CUVA0026	No	01049	LEAD, DISSOLVED (UG/L AS PB)	04/12/72-04/12/72	0	1	
CUVA0027	No	01049	LEAD, DISSOLVED (UG/L AS PB)	04/12/72-04/12/72	0	1	
CUVA0028	No	01049	LEAD, DISSOLVED (UG/L AS PB)	04/12/72-04/12/72	0	1	
CUVA0029	No	01049	LEAD, DISSOLVED (UG/L AS PB)	04/12/72-04/12/72	0	1	
CUVA0030	No	01049	LEAD, DISSOLVED (UG/L AS PB)	04/12/72-04/12/72	0	1	
CUVA0031	No	01049	LEAD, DISSOLVED (UG/L AS PB)	04/12/72-04/12/72	0	1	
CUVA0032	No	01049	LEAD, DISSOLVED (UG/L AS PB)	04/12/72-04/12/72	0	1	
CUVA0033	No	01049	LEAD, DISSOLVED (UG/L AS PB)	04/12/72-04/12/72	0	1	
CUVA0036	No	01049	LEAD, DISSOLVED (UG/L AS PB)	04/12/72-04/12/72	0	1	
CUVA0060	No	01049	LEAD, DISSOLVED (UG/L AS PB)	11/07/72-11/07/72	0	1	
CUVA0070	No	01049	LEAD, DISSOLVED (UG/L AS PB)	11/07/72-11/07/72	0	1	
CUVA0076	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	11/07/72-11/07/72	0	1	
CUVA0082	No	01049	LEAD, DISSOLVED (UG/L AS PB)	11/07/72-11/07/72	0	1	
CUVA0094	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	10/15/70-10/15/70	0	1	
CUVA0202	No	01049	LEAD, DISSOLVED (UG/L AS PB)	01/10/74-09/17/91	17	59	
CUVA0213	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	11/07/72-11/07/72	0	1	
CUVA0216	No	01049	LEAD, DISSOLVED (UG/L AS PB)	11/07/72-11/07/72	0	1	
CUVA0220	No	01049	LEAD, DISSOLVED (UG/L AS PB)	11/07/72-11/07/72	0	1	
CUVA0202	No	01050	LEAD, SUSPENDED (UG/L AS PB)	01/10/74-06/15/82	8	22	
CUVA0001	No	01051	LEAD, TOTAL (UG/L AS PB)	10/18/78-10/18/78	0	1	
CUVA0002	No	01051	LEAD, TOTAL (UG/L AS PB)	07/22/86-09/18/86	0	5	
CUVA0003	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/16/86	0	5	
CUVA0004	No	01051	LEAD, TOTAL (UG/L AS PB)	04/24/86-11/04/86	0	8	
CUVA0005	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/17/86	0	5	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0006	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/16/86	0	5	
CUVA0007	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/18/91	5	11	
CUVA0008	No	01051	LEAD, TOTAL (UG/L AS PB)	04/24/86-11/04/86	0	8	
CUVA0009	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/16/86	0	5	
CUVA0011	No	01051	LEAD, TOTAL (UG/L AS PB)	05/03/76-05/03/76	0	1	
CUVA0012	No	01051	LEAD, TOTAL (UG/L AS PB)	04/24/86-11/04/86	0	8	
CUVA0013	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/16/86	0	5	
CUVA0014	No	01051	LEAD, TOTAL (UG/L AS PB)	05/04/76-05/04/76	0	1	
CUVA0015	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/17/86	0	5	
CUVA0016	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/17/86	0	5	
CUVA0017	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/17/86	0	5	
CUVA0019	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/17/86	0	5	
CUVA0020	No	01051	LEAD, TOTAL (UG/L AS PB)	08/20/75-06/29/77	1	5	
CUVA0021	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/16/86	0	5	
CUVA0022	No	01051	LEAD, TOTAL (UG/L AS PB)	07/22/86-09/18/86	0	5	
CUVA0023	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/16/86	0	5	
CUVA0035	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/17/86	0	5	
CUVA0037	No	01051	LEAD, TOTAL (UG/L AS PB)	07/22/86-09/18/86	0	5	
CUVA0039	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/17/86	0	5	
CUVA0040	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/18/91	5	11	
CUVA0041	No	01051	LEAD, TOTAL (UG/L AS PB)	08/21/86-12/08/86	0	3	
CUVA0042	No	01051	LEAD, TOTAL (UG/L AS PB)	07/22/86-09/18/86	0	5	
CUVA0043	No	01051	LEAD, TOTAL (UG/L AS PB)	07/22/86-09/18/86	0	5	
CUVA0044	No	01051	LEAD, TOTAL (UG/L AS PB)	07/13/73-09/18/86	13	42	
CUVA0045	No	01051	LEAD, TOTAL (UG/L AS PB)	08/22/75-06/29/77	1	5	
CUVA0046	No	01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/17/86	0	5	
CUVA0048	No	01051	LEAD, TOTAL (UG/L AS PB)	08/17/88-08/17/88	0	1	
CUVA0051	No	01051	LEAD, TOTAL (UG/L AS PB)	07/22/86-09/18/91	5	11	
CUVA0052	No	01051	LEAD, TOTAL (UG/L AS PB)	07/30/84-09/24/91	7	19	
CUVA0053	No	01051	LEAD, TOTAL (UG/L AS PB)	11/03/81-07/02/91	9	18	
CUVA0057	No	01051	LEAD, TOTAL (UG/L AS PB)	07/11/91-09/24/91	0	6	
CUVA0061	No	01051	LEAD, TOTAL (UG/L AS PB)	07/30/84-09/24/84	0	5	
CUVA0062	No	01051	LEAD, TOTAL (UG/L AS PB)	12/26/74-09/10/87	12	18	
CUVA0063	No	01051	LEAD, TOTAL (UG/L AS PB)	07/28/75-06/29/77	1	5	
CUVA0066	No	01051	LEAD, TOTAL (UG/L AS PB)	07/02/75-07/02/75	0	1	
CUVA0069	No	01051	LEAD, TOTAL (UG/L AS PB)	07/11/91-09/24/91	0	6	
CUVA0072	No	01051	LEAD, TOTAL (UG/L AS PB)	08/15/90-08/15/90	0	1	
CUVA0073	No	01051	LEAD, TOTAL (UG/L AS PB)	09/24/91-09/24/91	0	1	
CUVA0074	No	01051	LEAD, TOTAL (UG/L AS PB)	08/15/90-09/24/91	1	3	
CUVA0075	No	01051	LEAD, TOTAL (UG/L AS PB)	08/15/90-09/24/91	1	2	
CUVA0077	No	01051	LEAD, TOTAL (UG/L AS PB)	08/15/90-09/24/91	1	2	
CUVA0080	No	01051	LEAD, TOTAL (UG/L AS PB)	08/16/90-09/24/91	1	2	
CUVA0081	No	01051	LEAD, TOTAL (UG/L AS PB)	08/15/90-09/24/91	1	2	
CUVA0083	No	01051	LEAD, TOTAL (UG/L AS PB)	07/30/84-09/24/91	7	12	
CUVA0085	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/23/86-09/09/93	7	9	
CUVA0087	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/29/87-09/09/93	6	7	
CUVA0088	Yes	01051	LEAD, TOTAL (UG/L AS PB)	07/28/75-06/29/77	1	5	
CUVA0089	Yes	01051	LEAD, TOTAL (UG/L AS PB)	12/26/74-09/24/91	16	17	
CUVA0090	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/15/93-01/05/94	0	3	
CUVA0095	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/23/86-09/30/93	7	9	
CUVA0096	No	01051	LEAD, TOTAL (UG/L AS PB)	06/02/80-06/02/80	0	1	
CUVA0098	Yes	01051	LEAD, TOTAL (UG/L AS PB)	08/15/91-08/15/91	0	1	
CUVA0099	Yes	01051	LEAD, TOTAL (UG/L AS PB)	07/30/84-09/10/87	3	8	
CUVA0100	No	01051	LEAD, TOTAL (UG/L AS PB)	08/02/84-09/13/84	0	4	
CUVA0101	No	01051	LEAD, TOTAL (UG/L AS PB)	09/19/84-09/19/84	0	1	
CUVA0103	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/23/85-09/30/93	8	9	
CUVA0105	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/23/85-09/30/93	8	10	
CUVA0106	No	01051	LEAD, TOTAL (UG/L AS PB)	08/02/84-09/13/84	0	4	
CUVA0107	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/29/87-09/09/93	6	7	
CUVA0108	No	01051	LEAD, TOTAL (UG/L AS PB)	08/02/84-09/13/84	0	4	
CUVA0109	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/23/85-09/30/93	8	10	
CUVA0112	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/30/85-09/30/93	8	9	
CUVA0113	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/30/85-09/30/93	8	10	
CUVA0114	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/30/85-09/16/92	7	8	
CUVA0118	No	01051	LEAD, TOTAL (UG/L AS PB)	04/29/87-09/30/93	6	7	
CUVA0120	No	01051	LEAD, TOTAL (UG/L AS PB)	04/15/93-01/05/94	0	4	
CUVA0122	No	01051	LEAD, TOTAL (UG/L AS PB)	06/24/87-09/10/87	0	3	
CUVA0125	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/30/85-09/09/93	8	10	
CUVA0126	No	01051	LEAD, TOTAL (UG/L AS PB)	07/25/84-07/24/91	6	6	
CUVA0127	No	01051	LEAD, TOTAL (UG/L AS PB)	07/25/84-07/24/91	6	5	
CUVA0128	Yes	01051	LEAD, TOTAL (UG/L AS PB)	07/11/91-09/24/91	0	6	
CUVA0130	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/29/87-09/09/93	6	8	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0132	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/23/86-09/09/93	7	9	
CUVA0133	Yes	01051	LEAD, TOTAL (UG/L AS PB)	07/25/84-07/25/84	0	1	
CUVA0135	No	01051	LEAD, TOTAL (UG/L AS PB)	08/01/76-08/29/91	15	13	
CUVA0136	No	01051	LEAD, TOTAL (UG/L AS PB)	09/21/87-07/24/91	3	2	
CUVA0137	Yes	01051	LEAD, TOTAL (UG/L AS PB)	07/13/73-07/24/91	18	8	
CUVA0138	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/30/86-09/17/93	7	9	
CUVA0141	Yes	01051	LEAD, TOTAL (UG/L AS PB)	06/24/87-09/10/87	0	3	
CUVA0142	No	01051	LEAD, TOTAL (UG/L AS PB)	04/23/90-04/23/90	0	1	
CUVA0144	No	01051	LEAD, TOTAL (UG/L AS PB)	07/25/84-09/05/84	0	4	
CUVA0145	No	01051	LEAD, TOTAL (UG/L AS PB)	07/25/84-09/05/84	0	4	
CUVA0147	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/29/87-09/17/93	6	8	
CUVA0151	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/30/86-09/09/93	7	10	
CUVA0153	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/29/87-01/05/94	6	12	
CUVA0155	No	01051	LEAD, TOTAL (UG/L AS PB)	10/28/82-09/22/88	5	2	
CUVA0156	No	01051	LEAD, TOTAL (UG/L AS PB)	10/28/82-09/22/88	5	2	
CUVA0159	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/30/86-09/17/93	7	9	
CUVA0162	Yes	01051	LEAD, TOTAL (UG/L AS PB)	08/02/84-10/29/87	3	8	
CUVA0163	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/29/87-09/17/93	6	8	
CUVA0164	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/30/86-09/17/93	7	9	
CUVA0165	No	01051	LEAD, TOTAL (UG/L AS PB)	07/30/91-07/31/91	0	2	
CUVA0166	Yes	01051	LEAD, TOTAL (UG/L AS PB)	07/26/84-08/29/91	7	9	
CUVA0167	Yes	01051	LEAD, TOTAL (UG/L AS PB)	07/09/75-09/11/79	4	110	
CUVA0168	No	01051	LEAD, TOTAL (UG/L AS PB)	01/11/83-01/11/83	0	1	
CUVA0169	No	01051	LEAD, TOTAL (UG/L AS PB)	01/11/83-01/11/83	0	1	
CUVA0170	Yes	01051	LEAD, TOTAL (UG/L AS PB)	03/28/85-03/28/85	0	1	
CUVA0171	No	01051	LEAD, TOTAL (UG/L AS PB)	03/28/85-03/28/85	0	1	
CUVA0172	Yes	01051	LEAD, TOTAL (UG/L AS PB)	12/14/78-08/29/91	12	11	
CUVA0174	No	01051	LEAD, TOTAL (UG/L AS PB)	03/28/85-04/14/88	3	2	
CUVA0176	Yes	01051	LEAD, TOTAL (UG/L AS PB)	07/26/84-10/02/84	0	4	
CUVA0177	Yes	01051	LEAD, TOTAL (UG/L AS PB)	03/28/85-03/28/85	0	1	
CUVA0178	No	01051	LEAD, TOTAL (UG/L AS PB)	03/28/85-03/28/85	0	1	
CUVA0179	No	01051	LEAD, TOTAL (UG/L AS PB)	07/26/84-07/31/91	7	8	
CUVA0180	No	01051	LEAD, TOTAL (UG/L AS PB)	10/31/84-10/31/84	0	1	
CUVA0181	Yes	01051	LEAD, TOTAL (UG/L AS PB)	07/26/84-09/26/85	1	5	
CUVA0182	No	01051	LEAD, TOTAL (UG/L AS PB)	07/16/73-08/29/91	18	5	
CUVA0183	No	01051	LEAD, TOTAL (UG/L AS PB)	10/31/84-03/28/85	0	2	
CUVA0187	Yes	01051	LEAD, TOTAL (UG/L AS PB)	08/02/84-09/24/91	7	15	
CUVA0188	No	01051	LEAD, TOTAL (UG/L AS PB)	07/31/91-07/31/91	0	2	
CUVA0189	No	01051	LEAD, TOTAL (UG/L AS PB)	07/26/84-08/29/91	7	9	
CUVA0191	No	01051	LEAD, TOTAL (UG/L AS PB)	08/04/76-07/31/91	14	4	
CUVA0192	No	01051	LEAD, TOTAL (UG/L AS PB)	08/13/75-07/28/77	1	5	
CUVA0193	No	01051	LEAD, TOTAL (UG/L AS PB)	12/24/75-06/18/81	5	24	
CUVA0194	No	01051	LEAD, TOTAL (UG/L AS PB)	03/07/76-08/29/91	15	8	
CUVA0196	No	01051	LEAD, TOTAL (UG/L AS PB)	07/26/84-10/02/84	0	4	
CUVA0197	No	01051	LEAD, TOTAL (UG/L AS PB)	07/26/84-10/02/84	0	4	
CUVA0198	Yes	01051	LEAD, TOTAL (UG/L AS PB)	08/13/75-07/28/77	1	5	
CUVA0202	No	01051	LEAD, TOTAL (UG/L AS PB)	01/10/74-06/15/82	8	22	
CUVA0203	No	01051	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	20	241	T,A
CUVA0205	No	01051	LEAD, TOTAL (UG/L AS PB)	04/18/85-04/18/85	0	1	
CUVA0206	No	01051	LEAD, TOTAL (UG/L AS PB)	11/06/75-11/06/75	0	1	
CUVA0207	No	01051	LEAD, TOTAL (UG/L AS PB)	04/18/85-04/18/85	0	1	
CUVA0209	No	01051	LEAD, TOTAL (UG/L AS PB)	07/22/76-10/29/87	11	5	
CUVA0210	No	01051	LEAD, TOTAL (UG/L AS PB)	06/03/75-06/03/75	0	1	
CUVA0212	No	01051	LEAD, TOTAL (UG/L AS PB)	05/31/90-08/22/90	0	8	
CUVA0214	No	01051	LEAD, TOTAL (UG/L AS PB)	03/28/74-09/26/91	17	49	
CUVA0215	Yes	01051	LEAD, TOTAL (UG/L AS PB)	07/23/84-09/26/84	0	5	
CUVA0217	No	01051	LEAD, TOTAL (UG/L AS PB)	07/24/91-09/24/91	0	3	
CUVA0218	No	01051	LEAD, TOTAL (UG/L AS PB)	09/09/91-09/09/91	0	1	
CUVA0219	No	01051	LEAD, TOTAL (UG/L AS PB)	08/27/90-09/26/90	0	4	
CUVA0221	No	01051	LEAD, TOTAL (UG/L AS PB)	08/21/90-09/26/90	0	5	
CUVA0222	No	01051	LEAD, TOTAL (UG/L AS PB)	08/28/90-09/26/90	0	4	
CUVA0223	No	01051	LEAD, TOTAL (UG/L AS PB)	09/12/91-09/12/91	0	1	
CUVA0224	No	01051	LEAD, TOTAL (UG/L AS PB)	07/23/84-09/24/91	7	23	
CUVA0225	No	01051	LEAD, TOTAL (UG/L AS PB)	09/15/87-10/29/87	0	3	
CUVA0226	No	01051	LEAD, TOTAL (UG/L AS PB)	07/15/87-09/24/91	4	17	
CUVA0227	No	01051	LEAD, TOTAL (UG/L AS PB)	09/25/69-09/29/70	1	4	
CUVA0228	No	01051	LEAD, TOTAL (UG/L AS PB)	09/16/69-09/29/70	1	7	
CUVA0034	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/10/79-09/10/79	0	1	
CUVA0043	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	03/25/87-03/25/87	0	1	
CUVA0049	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/10/79-09/10/79	0	1	
CUVA0052	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0055	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/13/85-08/13/85	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0056	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0059	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0088	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0097	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0099	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0100	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0101	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0102	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0104	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0110	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0111	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0119	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0122	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0123	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0124	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0126	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0127	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0131	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0134	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0135	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0149	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0152	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0158	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0160	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0166	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0167	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0174	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	04/14/88-04/14/88	0	1	
CUVA0175	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0178	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0182	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0185	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/01/85-08/01/85	0	1	
CUVA0186	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/01/85-10/09/91	6	2	
CUVA0191	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0192	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0202	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0211	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0034	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/10/79-09/10/79	0	1	
CUVA0049	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/10/79-09/10/79	0	1	
CUVA0052	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0055	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0056	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0059	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0088	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0097	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0099	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0100	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0101	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0102	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0104	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0110	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0111	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0119	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0122	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0123	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0124	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0126	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0127	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0131	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0134	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0135	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0149	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0152	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0158	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0160	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0166	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0167	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0175	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0178	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0182	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0185	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/01/85-08/01/85	0	1	
CUVA0186	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/01/85-10/09/91	6	2	
CUVA0191	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/09/91-10/09/91	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0192	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0202	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0211	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0034	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	04/24/79-03/09/80	0	3	
CUVA0049	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	04/23/79-03/08/80	0	3	
CUVA0202	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	01/10/74-06/15/82	8	22	
CUVA0001	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/18/78-10/18/78	0	1	
CUVA0002	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/86-08/21/86	0	2	
CUVA0004	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/24/86-11/04/86	0	4	
CUVA0008	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/24/86-11/04/86	0	4	
CUVA0011	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/03/76-05/03/76	0	1	
CUVA0012	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/24/86-11/04/86	0	4	
CUVA0014	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/04/76-05/04/76	0	1	
CUVA0034	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/24/79-03/09/80	0	3	
CUVA0044	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/13/73-08/03/77	4	9	
CUVA0049	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/23/79-03/08/80	0	3	
CUVA0052	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/24/87-09/10/87	0	3	
CUVA0053	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/24/87-09/10/87	0	3	
CUVA0062	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/02/74-09/10/87	13	3	
CUVA0063	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/21/64-10/06/65	1	2	
CUVA0072	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/90-08/15/90	0	1	
CUVA0074	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/90-08/15/90	0	1	
CUVA0075	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/90-08/15/90	0	1	
CUVA0077	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/90-08/15/90	0	1	
CUVA0080	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/90-08/16/90	0	1	
CUVA0081	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/90-08/15/90	0	1	
CUVA0083	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/24/87-09/10/87	0	3	
CUVA0089	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	12/26/74-09/10/87	12	4	
CUVA0096	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/02/80-06/02/80	0	1	
CUVA0099	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	06/24/87-09/10/87	0	3	
CUVA0122	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/24/87-09/10/87	0	3	
CUVA0135	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/30/91-07/31/91	0	3	
CUVA0137	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	07/13/73-09/26/73	0	4	
CUVA0141	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	06/24/87-09/10/87	0	3	
CUVA0155	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/22/88-09/22/88	0	1	
CUVA0156	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/22/88-09/22/88	0	1	
CUVA0162	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	07/29/87-10/29/87	0	3	
CUVA0165	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/30/91-07/31/91	0	2	
CUVA0166	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/84-10/02/84	0	4	
CUVA0167	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/75-09/11/79	4	110	
CUVA0172	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	10/02/84-09/26/85	0	2	
CUVA0179	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/26/85-07/31/91	5	3	
CUVA0181	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	09/26/85-09/26/85	0	1	
CUVA0182	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/16/73-07/31/91	18	3	
CUVA0187	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	07/15/87-10/29/87	0	4	
CUVA0193	No	01055	MANGANESE, TOTAL (UG/L AS MN)	12/24/75-09/29/77	1	4	
CUVA0202	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/21/64-06/15/82	17	23	
CUVA0203	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/09/73-09/26/91	18	72	
CUVA0209	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/22/76-10/29/87	11	5	
CUVA0210	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/03/75-06/03/75	0	1	
CUVA0214	No	01055	MANGANESE, TOTAL (UG/L AS MN)	02/14/74-09/26/91	17	10	
CUVA0225	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/23/87-10/29/87	0	2	
CUVA0226	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/15/87-10/29/87	0	5	
CUVA0020	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/10/74-06/29/77	2	7	
CUVA0034	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/24/79-03/09/80	0	3	
CUVA0045	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/10/74-06/29/77	2	7	
CUVA0049	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/23/79-03/08/80	0	3	
CUVA0063	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/10/74-06/29/77	2	7	
CUVA0088	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/10/74-06/29/77	2	7	
CUVA0192	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/14/74-07/28/77	2	7	
CUVA0198	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/22/74-07/28/77	2	7	
CUVA0202	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/10/74-12/15/94	20	70	
CUVA0203	No	01059	THALLIUM, TOTAL (UG/L AS TL)	09/11/91-09/26/91	0	6	
CUVA0214	No	01059	THALLIUM, TOTAL (UG/L AS TL)	09/11/91-09/26/91	0	6	
CUVA0202	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/09/82-12/15/94	12	47	
CUVA0011	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	05/03/76-05/03/76	0	1	
CUVA0014	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	05/04/76-05/04/76	0	1	
CUVA0096	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	06/02/80-06/02/80	0	1	
CUVA0060	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	11/07/72-11/07/72	0	1	
CUVA0070	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	11/07/72-11/07/72	0	1	
CUVA0076	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	11/07/72-11/07/72	0	1	
CUVA0082	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	11/07/72-11/07/72	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0202	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/09/80-12/15/94	14	56	
CUVA0213	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	11/07/72-11/07/72	0	1	
CUVA0216	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	11/07/72-11/07/72	0	1	
CUVA0220	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	11/07/72-11/07/72	0	1	
CUVA0202	No	01066	NICKEL, SUSPENDED (UG/L AS NI)	01/09/80-06/15/82	2	9	
CUVA0002	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/22/86-09/18/86	0	5	
CUVA0003	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/16/86	0	5	
CUVA0004	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/24/86-11/04/86	0	8	
CUVA0005	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/17/86	0	5	
CUVA0006	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/16/86	0	5	
CUVA0007	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/18/91	5	11	
CUVA0008	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/24/86-11/04/86	0	8	
CUVA0009	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/16/86	0	5	
CUVA0011	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/03/76-05/03/76	0	1	
CUVA0012	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/24/86-11/04/86	0	8	
CUVA0013	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/16/86	0	5	
CUVA0014	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/04/76-05/04/76	0	1	
CUVA0015	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/17/86	0	5	
CUVA0016	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/17/86	0	5	
CUVA0017	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/17/86	0	5	
CUVA0019	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/17/86	0	5	
CUVA0021	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/16/86	0	5	
CUVA0022	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/12/86-09/18/86	0	4	
CUVA0023	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/16/86	0	5	
CUVA0035	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/17/86	0	5	
CUVA0037	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/12/86-09/18/86	0	4	
CUVA0039	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/17/86	0	5	
CUVA0040	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/18/91	5	11	
CUVA0041	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/21/86-12/08/86	0	3	
CUVA0042	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/22/86-09/18/86	0	5	
CUVA0043	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/22/86-09/18/86	0	5	
CUVA0044	No	01067	NICKEL, TOTAL (UG/L AS NI)	02/16/78-09/18/86	8	23	
CUVA0046	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/17/86	0	5	
CUVA0051	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/22/86-09/18/91	5	11	
CUVA0052	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/30/84-09/24/91	7	19	
CUVA0053	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/03/81-09/10/87	5	4	
CUVA0057	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/11/91-09/24/91	0	6	
CUVA0061	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/30/84-09/24/84	0	5	
CUVA0062	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/28/78-09/10/87	9	13	
CUVA0069	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/11/91-09/24/91	0	6	
CUVA0072	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/15/90-08/15/90	0	1	
CUVA0074	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/15/90-08/15/90	0	1	
CUVA0075	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/15/90-08/15/90	0	1	
CUVA0077	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/15/90-08/15/90	0	1	
CUVA0080	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/16/90-08/16/90	0	1	
CUVA0081	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/15/90-08/15/90	0	1	
CUVA0083	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/30/84-09/24/91	7	11	
CUVA0085	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/23/86-09/09/93	7	9	
CUVA0087	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/29/87-09/09/93	6	7	
CUVA0089	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	07/30/84-09/24/91	7	14	
CUVA0090	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/15/93-01/05/94	0	3	
CUVA0095	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/23/86-09/30/93	7	9	
CUVA0096	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/02/80-06/02/80	0	1	
CUVA0099	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	07/30/84-09/10/87	3	8	
CUVA0100	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/02/84-09/13/84	0	4	
CUVA0101	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/19/84-09/19/84	0	1	
CUVA0103	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/23/85-09/30/93	8	10	
CUVA0105	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/23/85-09/30/93	8	10	
CUVA0106	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/02/84-09/13/84	0	4	
CUVA0107	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/29/87-09/09/93	6	7	
CUVA0108	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/02/84-09/13/84	0	4	
CUVA0109	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/23/85-09/30/93	8	10	
CUVA0112	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/30/85-09/30/93	8	9	
CUVA0113	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/30/85-09/30/93	8	10	
CUVA0114	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/30/85-09/16/92	7	8	
CUVA0118	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/29/87-09/30/93	6	7	
CUVA0120	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/15/93-01/05/94	0	4	
CUVA0122	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/24/87-09/10/87	0	3	
CUVA0125	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/30/85-09/09/93	8	10	
CUVA0126	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/25/84-09/05/84	0	5	
CUVA0127	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/25/84-09/05/84	0	4	
CUVA0128	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	07/11/91-09/24/91	0	6	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0130	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/29/87-09/09/93	6	8	
CUVA0132	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/23/86-09/09/93	7	9	
CUVA0133	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	07/24/84-07/25/84	0	2	
CUVA0135	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/26/84-08/29/91	7	11	
CUVA0136	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/21/87-09/21/87	0	1	
CUVA0137	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	07/25/84-09/05/84	0	4	
CUVA0138	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/30/86-09/17/93	7	9	
CUVA0141	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	06/24/87-09/10/87	0	3	
CUVA0142	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/23/90-04/23/90	0	1	
CUVA0144	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/25/84-09/05/84	0	4	
CUVA0145	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/24/84-09/05/84	0	5	
CUVA0147	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/29/87-09/17/93	6	8	
CUVA0151	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/30/86-09/09/93	7	10	
CUVA0153	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/29/87-01/05/94	6	12	
CUVA0159	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/30/86-09/17/93	7	9	
CUVA0162	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	08/15/84-10/29/87	3	7	
CUVA0163	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/29/87-09/17/93	6	8	
CUVA0164	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/30/86-09/17/93	7	9	
CUVA0165	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/30/91-07/31/91	0	2	
CUVA0166	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	07/26/84-08/29/91	7	9	
CUVA0167	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	07/09/75-09/11/79	4	110	
CUVA0168	No	01067	NICKEL, TOTAL (UG/L AS NI)	01/11/83-01/11/83	0	1	
CUVA0169	No	01067	NICKEL, TOTAL (UG/L AS NI)	01/11/83-01/11/83	0	1	
CUVA0170	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	03/28/85-03/28/85	0	1	
CUVA0171	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/28/85-03/28/85	0	1	
CUVA0172	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	07/26/84-08/29/91	7	10	
CUVA0174	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/28/85-04/14/88	3	2	
CUVA0176	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	07/26/84-10/02/84	0	4	
CUVA0177	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	03/28/85-03/28/85	0	1	
CUVA0178	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/28/85-03/28/85	0	1	
CUVA0179	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/26/84-07/31/91	7	8	
CUVA0181	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	07/26/84-09/26/85	1	5	
CUVA0182	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/10/91-08/29/91	0	3	
CUVA0183	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/28/85-03/28/85	0	1	
CUVA0187	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	09/26/84-09/24/91	6	11	
CUVA0188	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/31/91-07/31/91	0	2	
CUVA0189	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/26/84-08/29/91	7	9	
CUVA0191	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/21/87-07/31/91	3	3	
CUVA0193	No	01067	NICKEL, TOTAL (UG/L AS NI)	12/15/76-06/18/81	4	8	
CUVA0194	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/10/91-08/29/91	0	5	
CUVA0196	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/26/84-10/02/84	0	4	
CUVA0197	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/26/84-10/02/84	0	4	
CUVA0202	No	01067	NICKEL, TOTAL (UG/L AS NI)	01/09/80-06/15/82	2	9	
CUVA0203	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	20	181	T,A
CUVA0205	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/18/85-04/18/85	0	1	
CUVA0207	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/18/85-04/18/85	0	1	
CUVA0209	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/15/87-10/29/87	0	4	
CUVA0212	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/31/90-08/22/90	0	8	
CUVA0214	No	01067	NICKEL, TOTAL (UG/L AS NI)	02/16/78-09/26/91	13	38	
CUVA0215	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	07/23/84-09/26/84	0	5	
CUVA0217	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/24/91-09/24/91	0	3	
CUVA0218	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/09/91-09/09/91	0	1	
CUVA0219	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/27/90-09/26/90	0	4	
CUVA0221	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/21/90-09/26/90	0	5	
CUVA0222	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/28/90-09/26/90	0	4	
CUVA0223	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/12/91-09/12/91	0	1	
CUVA0224	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/23/84-09/24/91	7	23	
CUVA0225	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/15/87-10/29/87	0	3	
CUVA0226	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/15/87-09/24/91	4	17	
CUVA0227	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/25/69-09/29/70	1	4	
CUVA0228	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/16/69-09/29/70	1	7	
CUVA0043	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/25/87-03/25/87	0	1	
CUVA0052	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0055	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0056	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0059	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0088	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0097	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0099	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0100	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0101	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0102	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0104	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0110	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0111	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0119	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0122	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0123	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0124	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0126	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0127	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0131	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0134	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0135	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0149	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0152	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0158	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0160	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0166	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0167	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0174	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/14/88-04/14/88	0	1	
CUVA0175	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0178	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0185	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/01/85-08/01/85	0	1	
CUVA0186	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/01/85-10/09/91	6	2	
CUVA0192	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0202	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0211	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0202	No	01075	SILVER, DISSOLVED (UG/L AS AG)	10/12/77-12/15/94	17	62	
CUVA0202	No	01076	SILVER, SUSPENDED (UG/L AS AG)	10/12/77-06/15/82	4	12	
CUVA0011	No	01077	SILVER, TOTAL (UG/L AS AG)	05/03/76-05/03/76	0	1	
CUVA0014	No	01077	SILVER, TOTAL (UG/L AS AG)	05/04/76-05/04/76	0	1	
CUVA0044	No	01077	SILVER, TOTAL (UG/L AS AG)	07/13/73-09/30/76	3	5	
CUVA0096	No	01077	SILVER, TOTAL (UG/L AS AG)	06/02/80-06/02/80	0	1	
CUVA0100	No	01077	SILVER, TOTAL (UG/L AS AG)	08/02/84-09/13/84	0	4	
CUVA0106	No	01077	SILVER, TOTAL (UG/L AS AG)	08/02/84-09/13/84	0	4	
CUVA0137	Yes	01077	SILVER, TOTAL (UG/L AS AG)	07/13/73-07/13/73	0	1	
CUVA0182	No	01077	SILVER, TOTAL (UG/L AS AG)	07/16/73-07/16/73	0	1	
CUVA0193	No	01077	SILVER, TOTAL (UG/L AS AG)	12/24/75-09/30/76	0	4	
CUVA0202	No	01077	SILVER, TOTAL (UG/L AS AG)	10/12/77-06/15/82	4	17	
CUVA0203	No	01077	SILVER, TOTAL (UG/L AS AG)	12/24/75-09/26/91	15	10	
CUVA0214	No	01077	SILVER, TOTAL (UG/L AS AG)	09/11/91-09/26/91	0	6	
CUVA0202	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/09/82-12/15/94	12	47	
CUVA0002	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	08/12/86-08/21/86	0	2	
CUVA0004	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	07/30/86-11/04/86	0	5	
CUVA0008	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	07/30/86-11/04/86	0	5	
CUVA0012	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	07/30/86-11/04/86	0	6	
CUVA0044	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	09/26/73-10/24/73	0	2	
CUVA0135	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	07/26/84-09/04/84	0	3	
CUVA0166	Yes	01082	STRONTIUM, TOTAL (UG/L AS SR)	07/26/84-10/02/84	0	4	
CUVA0172	Yes	01082	STRONTIUM, TOTAL (UG/L AS SR)	09/26/85-09/26/85	0	1	
CUVA0179	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	09/26/85-09/26/85	0	1	
CUVA0181	Yes	01082	STRONTIUM, TOTAL (UG/L AS SR)	09/26/85-09/26/85	0	1	
CUVA0203	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	04/09/73-05/29/75	2	19	
CUVA0214	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	03/28/74-03/28/74	0	1	
CUVA0052	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0055	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0056	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0059	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0088	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0097	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0099	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0100	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0101	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0102	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0104	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0110	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0111	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0119	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0122	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0123	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0124	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0126	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0127	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	10/30/85-10/30/85	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0131	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0134	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0149	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0152	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0158	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0160	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0167	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0175	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0178	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0185	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/01/85-08/01/85	0	1	
CUVA0186	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/01/85-08/01/85	0	1	
CUVA0192	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0202	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0211	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0202	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	11/09/82-12/15/94	12	47	
CUVA0203	No	01087	VANADIUM, TOTAL (UG/L AS V)	03/28/79-09/26/91	12	13	
CUVA0214	No	01087	VANADIUM, TOTAL (UG/L AS V)	09/11/91-09/26/91	0	6	
CUVA0024	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	04/12/72-04/12/72	0	1	
CUVA0025	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	04/12/72-04/12/72	0	1	
CUVA0026	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	04/12/72-04/12/72	0	1	
CUVA0027	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	04/12/72-04/12/72	0	1	
CUVA0028	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	04/12/72-04/12/72	0	1	
CUVA0029	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	04/12/72-04/12/72	0	1	
CUVA0030	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	04/12/72-04/12/72	0	1	
CUVA0031	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	04/12/72-04/12/72	0	1	
CUVA0032	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	04/12/72-04/12/72	0	1	
CUVA0033	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	04/12/72-04/12/72	0	1	
CUVA0036	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	04/12/72-04/12/72	0	1	
CUVA0060	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	11/07/72-11/07/72	0	1	
CUVA0070	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	11/07/72-11/07/72	0	1	
CUVA0076	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	11/07/72-11/07/72	0	1	
CUVA0082	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	11/07/72-11/07/72	0	1	
CUVA0094	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/15/70-10/15/70	0	1	
CUVA0202	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	01/10/74-09/17/91	17	59	
CUVA0213	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	11/07/72-11/07/72	0	1	
CUVA0216	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	11/07/72-11/07/72	0	1	
CUVA0220	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	11/07/72-11/07/72	0	1	
CUVA0202	No	01091	ZINC, SUSPENDED (UG/L ZN)	01/10/74-06/15/82	8	22	
CUVA0002	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/22/86-09/18/86	0	5	
CUVA0003	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/16/86	0	5	
CUVA0004	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/24/86-11/04/86	0	8	
CUVA0005	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/17/86	0	5	
CUVA0006	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/16/86	0	5	
CUVA0007	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/18/91	5	11	
CUVA0008	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/24/86-11/04/86	0	8	
CUVA0009	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/16/86	0	5	
CUVA0011	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/03/76-05/03/76	0	1	
CUVA0012	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/24/86-11/04/86	0	8	
CUVA0013	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/16/86	0	5	
CUVA0014	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/04/76-05/04/76	0	1	
CUVA0015	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/17/86	0	5	
CUVA0016	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/17/86	0	5	
CUVA0017	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/17/86	0	5	
CUVA0019	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/17/86	0	5	
CUVA0020	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/20/75-06/29/77	1	5	
CUVA0021	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/16/86	0	5	
CUVA0022	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/22/86-09/18/86	0	5	
CUVA0023	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/16/86	0	5	
CUVA0035	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/17/86	0	5	
CUVA0037	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/22/86-09/18/86	0	5	
CUVA0039	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/17/86	0	5	
CUVA0040	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/18/91	5	11	
CUVA0041	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/21/86-12/08/86	0	3	
CUVA0042	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/22/86-09/18/86	0	5	
CUVA0043	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/22/86-09/18/86	0	5	
CUVA0044	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/13/73-09/18/86	13	40	
CUVA0045	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/22/75-06/29/77	1	5	
CUVA0046	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/17/86	0	5	
CUVA0048	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/17/88-08/17/88	0	1	
CUVA0051	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/22/86-09/18/91	5	11	
CUVA0052	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/30/84-09/24/91	7	19	
CUVA0053	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/27/75-07/02/91	16	32	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0057	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/11/91-09/24/91	0	6	
CUVA0061	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/30/84-09/24/84	0	5	
CUVA0062	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/02/74-10/24/89	15	25	
CUVA0063	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/28/75-06/29/77	1	5	
CUVA0066	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/02/75-07/02/75	0	1	
CUVA0069	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/11/91-09/24/91	0	6	
CUVA0072	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/15/90-08/15/90	0	1	
CUVA0073	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/24/91-09/24/91	0	1	
CUVA0074	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/15/90-09/24/91	1	3	
CUVA0075	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/15/90-09/24/91	1	2	
CUVA0077	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/15/90-09/24/91	1	2	
CUVA0080	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/16/90-09/24/91	1	2	
CUVA0081	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/15/90-09/24/91	1	2	
CUVA0083	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/30/84-09/24/91	7	12	
CUVA0085	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/23/86-09/09/93	7	9	
CUVA0087	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/29/87-09/09/93	6	7	
CUVA0088	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	07/28/75-06/29/77	1	5	
CUVA0089	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	12/26/74-09/24/91	16	23	
CUVA0090	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/15/93-01/05/94	0	3	
CUVA0095	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/23/86-09/30/93	7	9	
CUVA0096	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/02/80-06/02/80	0	1	
CUVA0098	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	08/15/91-08/15/91	0	1	
CUVA0099	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	07/30/84-10/24/89	5	14	
CUVA0100	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/02/84-09/13/84	0	4	
CUVA0101	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/19/84-09/19/84	0	1	
CUVA0103	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/23/85-09/30/93	8	10	
CUVA0105	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/23/85-09/30/93	8	10	
CUVA0106	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/02/84-09/13/84	0	4	
CUVA0107	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/29/87-09/09/93	6	7	
CUVA0108	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/02/84-09/13/84	0	4	
CUVA0109	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/23/85-09/30/93	8	10	
CUVA0112	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/30/85-09/30/93	8	9	
CUVA0113	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/30/85-09/30/93	8	10	
CUVA0114	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/30/85-09/16/92	7	8	
CUVA0118	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/29/87-09/30/93	6	7	
CUVA0120	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/15/93-01/05/94	0	4	
CUVA0122	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/24/87-09/10/87	0	3	
CUVA0125	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/30/85-09/09/93	8	10	
CUVA0126	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/25/84-07/24/91	6	6	
CUVA0127	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/25/84-07/24/91	6	5	
CUVA0128	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	07/11/91-09/24/91	0	6	
CUVA0130	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/29/87-09/09/93	6	8	
CUVA0132	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/23/86-09/09/93	7	9	
CUVA0133	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	07/24/84-07/25/84	0	2	
CUVA0135	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/01/76-08/29/91	15	13	
CUVA0136	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/24/91-07/24/91	0	1	
CUVA0137	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	07/13/73-07/24/91	18	8	
CUVA0138	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/30/86-09/17/93	7	9	
CUVA0141	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	06/24/87-09/10/87	0	3	
CUVA0142	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/23/90-04/23/90	0	1	
CUVA0144	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/25/84-09/05/84	0	4	
CUVA0145	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/24/84-09/05/84	0	5	
CUVA0147	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/29/87-09/17/93	6	8	
CUVA0151	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/30/86-09/09/93	7	10	
CUVA0153	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/29/87-01/05/94	6	12	
CUVA0155	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/28/82-09/22/88	5	2	
CUVA0156	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/28/82-09/22/88	5	2	
CUVA0159	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/30/86-09/17/93	7	9	
CUVA0162	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	08/15/84-10/29/87	3	7	
CUVA0163	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/29/87-09/17/93	6	8	
CUVA0164	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/30/86-09/17/93	7	9	
CUVA0165	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/30/91-07/31/91	0	2	
CUVA0166	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	07/26/84-08/29/91	7	9	
CUVA0167	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	07/09/75-09/11/79	4	108	
CUVA0168	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/11/83-01/11/83	0	1	
CUVA0169	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/11/83-01/11/83	0	1	
CUVA0170	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	03/28/85-03/28/85	0	1	
CUVA0171	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/28/85-03/28/85	0	1	
CUVA0172	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	12/14/78-08/29/91	12	11	
CUVA0174	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/28/85-04/14/88	3	2	
CUVA0176	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	07/26/84-10/02/84	0	4	
CUVA0177	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	03/28/85-03/28/85	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0178	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/28/85-03/28/85	0	1	
CUVA0179	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/26/84-07/31/91	7	8	
CUVA0180	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/31/84-10/31/84	0	1	
CUVA0181	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	07/26/84-09/26/85	1	5	
CUVA0182	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/16/73-08/29/91	18	5	
CUVA0183	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/31/84-03/28/85	0	2	
CUVA0187	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	08/02/84-09/24/91	7	15	
CUVA0188	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/31/91-07/31/91	0	2	
CUVA0189	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/26/84-08/29/91	7	9	
CUVA0191	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/04/76-07/31/91	14	5	
CUVA0192	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/13/75-07/28/77	1	5	
CUVA0193	No	01092	ZINC, TOTAL (UG/L AS ZN)	12/24/75-12/17/80	4	22	
CUVA0194	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/07/76-08/29/91	15	7	
CUVA0196	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/26/84-10/02/84	0	4	
CUVA0197	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/26/84-10/02/84	0	4	
CUVA0198	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	08/13/75-07/28/77	1	5	
CUVA0202	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/10/74-06/15/82	8	22	
CUVA0203	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	20	256	T,A
CUVA0205	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/18/85-04/18/85	0	1	
CUVA0206	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/06/75-11/06/75	0	1	
CUVA0207	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/18/85-04/18/85	0	1	
CUVA0209	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/22/76-10/29/87	11	5	
CUVA0210	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/03/75-06/03/75	0	1	
CUVA0212	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/31/90-08/22/90	0	8	
CUVA0214	No	01092	ZINC, TOTAL (UG/L AS ZN)	02/14/74-09/26/91	17	51	
CUVA0215	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	07/23/84-09/26/84	0	5	
CUVA0217	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/24/91-09/24/91	0	3	
CUVA0218	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/09/91-09/09/91	0	1	
CUVA0219	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/27/90-09/26/90	0	4	
CUVA0221	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/21/90-09/26/90	0	5	
CUVA0222	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/28/90-09/26/90	0	4	
CUVA0223	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/12/91-09/12/91	0	1	
CUVA0224	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/23/84-09/24/91	7	23	
CUVA0225	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/15/87-10/29/87	0	3	
CUVA0226	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/15/87-09/24/91	4	17	
CUVA0227	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/25/69-09/29/70	1	4	
CUVA0228	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/16/69-09/29/70	1	7	
CUVA0034	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/10/79-09/10/79	0	1	
CUVA0043	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/25/87-03/25/87	0	1	
CUVA0049	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/10/79-09/10/79	0	1	
CUVA0052	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0055	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0056	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0059	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0088	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0097	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0099	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0100	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0101	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0102	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0104	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0110	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0111	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0119	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0122	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0123	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0124	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0126	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0127	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0131	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0134	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0135	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0149	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0152	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0158	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0160	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0166	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0167	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0174	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	04/14/88-04/14/88	0	1	
CUVA0175	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0178	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0182	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/09/91-10/09/91	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0185	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/01/85-08/01/85	0	1	
CUVA0186	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/01/85-10/09/91	6	2	
CUVA0191	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0192	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0202	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0211	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0203	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	09/11/91-09/26/91	0	6	
CUVA0214	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	09/11/91-09/26/91	0	6	
CUVA0024	No	01102	TIN, TOTAL (UG/L AS SN)	04/12/72-04/12/72	0	1	
CUVA0025	No	01102	TIN, TOTAL (UG/L AS SN)	04/12/72-04/12/72	0	1	
CUVA0026	No	01102	TIN, TOTAL (UG/L AS SN)	04/12/72-04/12/72	0	1	
CUVA0027	No	01102	TIN, TOTAL (UG/L AS SN)	04/12/72-04/12/72	0	1	
CUVA0028	No	01102	TIN, TOTAL (UG/L AS SN)	04/12/72-04/12/72	0	1	
CUVA0029	No	01102	TIN, TOTAL (UG/L AS SN)	04/12/72-04/12/72	0	1	
CUVA0030	No	01102	TIN, TOTAL (UG/L AS SN)	04/12/72-04/12/72	0	1	
CUVA0031	No	01102	TIN, TOTAL (UG/L AS SN)	04/12/72-04/12/72	0	1	
CUVA0032	No	01102	TIN, TOTAL (UG/L AS SN)	04/12/72-04/12/72	0	1	
CUVA0033	No	01102	TIN, TOTAL (UG/L AS SN)	04/12/72-04/12/72	0	1	
CUVA0036	No	01102	TIN, TOTAL (UG/L AS SN)	04/12/72-04/12/72	0	1	
CUVA0001	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/18/78-10/18/78	0	1	
CUVA0044	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/31/73-01/09/75	1	3	
CUVA0052	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/24/87-09/10/87	0	3	
CUVA0053	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/24/87-09/10/87	0	3	
CUVA0062	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/02/74-09/10/87	13	5	
CUVA0066	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	12/12/73-12/12/73	0	1	
CUVA0083	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/24/87-09/10/87	0	3	
CUVA0089	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	12/26/74-09/10/87	12	5	
CUVA0099	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/24/87-09/10/87	0	3	
CUVA0101	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	09/19/84-09/19/84	0	1	
CUVA0122	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/24/87-09/10/87	0	3	
CUVA0135	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/84-10/02/84	0	4	
CUVA0141	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/24/87-09/10/87	0	3	
CUVA0162	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/15/84-10/29/87	3	7	
CUVA0166	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/84-10/02/84	0	4	
CUVA0170	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/28/85-03/28/85	0	1	
CUVA0171	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/28/85-03/28/85	0	1	
CUVA0172	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	09/26/85-09/26/85	0	1	
CUVA0174	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/28/85-03/28/85	0	1	
CUVA0177	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/28/85-03/28/85	0	1	
CUVA0178	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/28/85-03/28/85	0	1	
CUVA0179	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/84-09/26/85	1	5	
CUVA0181	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/84-09/26/85	1	4	
CUVA0183	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/28/85-03/28/85	0	1	
CUVA0187	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/15/87-10/29/87	0	4	
CUVA0203	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/09/73-09/26/91	18	49	
CUVA0205	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/18/85-04/18/85	0	1	
CUVA0207	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/18/85-04/18/85	0	1	
CUVA0209	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/15/87-10/29/87	0	4	
CUVA0214	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	02/14/74-09/26/91	17	14	
CUVA0215	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/84-09/26/84	0	5	
CUVA0224	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/84-09/26/84	0	5	
CUVA0225	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	09/15/87-10/29/87	0	3	
CUVA0226	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/15/87-10/29/87	0	5	
CUVA0202	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/09/82-12/15/94	12	47	
CUVA0052	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0055	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0056	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0059	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0088	Yes	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0097	Yes	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0099	Yes	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0100	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0101	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0102	Yes	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0104	Yes	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0110	Yes	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0111	Yes	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0119	Yes	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0122	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0123	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0124	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0126	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	10/30/85-10/30/85	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0127	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0131	Yes	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0134	Yes	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0149	Yes	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0152	Yes	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0158	Yes	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0160	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0167	Yes	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0175	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0178	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0185	Yes	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/01/85-08/01/85	0	1	
CUVA0186	Yes	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/01/85-08/01/85	0	1	
CUVA0192	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0202	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0211	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0202	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	11/09/82-12/15/94	12	47	
CUVA0202	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	01/10/74-12/15/94	20	70	
CUVA0202	No	01146	SELENIUM, SUSPENDED (UG/L AS SE)	01/10/74-04/01/81	7	18	
CUVA0001	No	01147	SELENIUM, TOTAL (UG/L AS SE)	10/18/78-10/18/78	0	1	
CUVA0002	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/86-08/21/86	0	1	
CUVA0011	No	01147	SELENIUM, TOTAL (UG/L AS SE)	05/03/76-05/03/76	0	1	
CUVA0014	No	01147	SELENIUM, TOTAL (UG/L AS SE)	05/04/76-05/04/76	0	1	
CUVA0044	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/13/73-02/17/77	3	7	
CUVA0062	No	01147	SELENIUM, TOTAL (UG/L AS SE)	05/02/74-05/02/74	0	1	
CUVA0066	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/02/75-07/02/75	0	1	
CUVA0096	No	01147	SELENIUM, TOTAL (UG/L AS SE)	06/02/80-06/02/80	0	1	
CUVA0135	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/10/91-07/31/91	0	4	
CUVA0137	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	07/13/73-07/13/73	0	1	
CUVA0165	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/30/91-07/31/91	0	2	
CUVA0179	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/30/91-07/31/91	0	2	
CUVA0182	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/16/73-07/31/91	18	3	
CUVA0193	No	01147	SELENIUM, TOTAL (UG/L AS SE)	03/25/76-02/17/77	0	4	
CUVA0202	No	01147	SELENIUM, TOTAL (UG/L AS SE)	01/10/74-06/15/82	8	23	
CUVA0203	No	01147	SELENIUM, TOTAL (UG/L AS SE)	04/09/73-09/26/91	18	38	
CUVA0214	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/15/91-09/26/91	0	8	
CUVA0218	No	01147	SELENIUM, TOTAL (UG/L AS SE)	09/09/91-09/09/91	0	1	
CUVA0034	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/10/79-09/10/79	0	1	
CUVA0049	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/10/79-09/10/79	0	1	
CUVA0055	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0059	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0088	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0097	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0102	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0104	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0110	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0111	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0119	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0123	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0124	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0131	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0134	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0135	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0149	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0152	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0158	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0160	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0166	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0167	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0175	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0182	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0186	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0191	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0192	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0202	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0024	No	01152	TITANIUM, TOTAL (UG/L AS TI)	04/12/72-04/12/72	0	1	
CUVA0025	No	01152	TITANIUM, TOTAL (UG/L AS TI)	04/12/72-04/12/72	0	1	
CUVA0026	No	01152	TITANIUM, TOTAL (UG/L AS TI)	04/12/72-04/12/72	0	1	
CUVA0027	No	01152	TITANIUM, TOTAL (UG/L AS TI)	04/12/72-04/12/72	0	1	
CUVA0028	No	01152	TITANIUM, TOTAL (UG/L AS TI)	04/12/72-04/12/72	0	1	
CUVA0029	No	01152	TITANIUM, TOTAL (UG/L AS TI)	04/12/72-04/12/72	0	1	
CUVA0030	No	01152	TITANIUM, TOTAL (UG/L AS TI)	04/12/72-04/12/72	0	1	
CUVA0031	No	01152	TITANIUM, TOTAL (UG/L AS TI)	04/12/72-04/12/72	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0032	No	01152	TITANIUM, TOTAL (UG/L AS TI)	04/12/72-04/12/72	0	1	
CUVA0033	No	01152	TITANIUM, TOTAL (UG/L AS TI)	04/12/72-04/12/72	0	1	
CUVA0036	No	01152	TITANIUM, TOTAL (UG/L AS TI)	04/12/72-04/12/72	0	1	
CUVA0034	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/10/79-09/10/79	0	1	
CUVA0043	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	03/25/87-03/25/87	0	1	
CUVA0049	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/10/79-09/10/79	0	1	
CUVA0052	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0055	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0056	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0059	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/13/85-08/13/85	0	1	
CUVA0088	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0097	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0099	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0100	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0101	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/29/85-10/29/85	0	1	
CUVA0102	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0104	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0110	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0111	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0119	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0122	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0123	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0124	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0126	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0127	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/30/85-10/30/85	0	1	
CUVA0131	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0134	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0135	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0149	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0152	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0158	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0160	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0166	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0167	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0174	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	04/14/88-04/14/88	0	1	
CUVA0175	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0178	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/15/85-08/15/85	0	1	
CUVA0182	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0185	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/01/85-08/01/85	0	1	
CUVA0186	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/01/85-10/09/91	6	2	
CUVA0191	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/09/91-10/09/91	0	1	
CUVA0192	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0202	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0211	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/12/85-08/12/85	0	1	
CUVA0203	No	01501	ALPHA, TOTAL	03/25/70-09/29/77	7	94	
CUVA0203	No	01503	ALPHA, DISSOLVED	06/02/71-07/22/76	5	67	
CUVA0203	No	01505	ALPHA, SUSPENDED	06/02/71-07/22/76	5	67	
CUVA0203	No	03501	BETA, TOTAL	03/25/70-09/29/77	7	94	
CUVA0062	No	03503	BETA, DISSOLVED	03/27/74-03/27/74	0	1	
CUVA0203	No	03503	BETA, DISSOLVED	06/02/71-07/22/76	5	67	
CUVA0203	No	03505	BETA, SUSPENDED	06/02/71-07/22/76	5	67	
CUVA0050	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/03/64-11/24/64	0	4	
CUVA0051	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	04/22/74-04/22/74	0	1	
CUVA0062	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	12/12/73-06/05/74	0	10	
CUVA0069	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/03/74-11/11/74	0	25	
CUVA0089	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/13/74-11/11/74	0	91	
CUVA0203	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	04/09/73-05/08/74	1	3	
CUVA0115	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/27/94-06/29/94	0	3	
CUVA0121	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	09/20/93-09/23/93	0	4	
CUVA0006	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/22/86-08/21/86	0	3	
CUVA0011	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/03/76-08/19/76	0	3	
CUVA0014	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/76-08/23/76	0	4	
CUVA0015	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/22/86-08/21/86	0	3	
CUVA0016	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/22/86-08/21/86	0	3	
CUVA0044	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/08/73-09/24/84	11	47	
CUVA0047	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/06/91-07/13/92	0	3	
CUVA0050	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/03/64-11/24/64	0	4	
CUVA0051	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/22/74-04/22/74	0	1	
CUVA0052	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/14/84-09/24/84	0	4	
CUVA0053	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/74-09/26/84	9	7	
CUVA0054	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/06/91-09/03/93	1	5	
CUVA0058	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/06/91-07/13/92	0	3	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0061	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/20/84-09/24/84	0	3	
CUVA0062	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/12/73-09/24/84	10	18	
CUVA0063	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/91-09/03/93	1	17	
CUVA0064	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/78-05/04/78	0	1	
CUVA0065	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/91-09/03/93	1	7	
CUVA0066	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/12/73-09/18/84	10	3	
CUVA0067	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/91-09/03/93	1	7	
CUVA0069	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/18/74-01/31/75	0	49	
CUVA0074	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/78-05/04/78	0	1	
CUVA0075	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/78-05/04/78	0	1	
CUVA0077	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/78-05/04/78	0	1	
CUVA0081	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/78-05/04/78	0	1	
CUVA0083	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/14/84-09/24/84	0	4	
CUVA0084	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/12/73-12/12/73	0	1	
CUVA0085	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/26/86-09/20/94	8	43	
CUVA0086	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/91-09/03/93	1	23	
CUVA0087	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/20/94	7	42	
CUVA0089	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/13/74-09/24/84	10	92	
CUVA0090	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/90-10/03/94	4	289	
CUVA0095	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/26/86-09/20/94	8	42	
CUVA0096	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/02/80-08/29/80	0	4	
CUVA0098	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/12/73-09/18/84	10	2	
CUVA0099	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/21/84-09/24/84	0	3	
CUVA0100	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/02/84-09/13/84	0	4	
CUVA0101	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/02/84-09/13/84	0	4	
CUVA0103	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	9	45	
CUVA0105	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	9	44	
CUVA0106	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/02/84-09/13/84	0	4	
CUVA0107	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/09/93	6	36	
CUVA0108	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/02/84-09/13/84	0	4	
CUVA0109	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	9	45	
CUVA0112	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/20/94	9	46	
CUVA0113	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	9	43	
CUVA0114	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	9	43	
CUVA0116	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/05/94-09/20/94	0	3	
CUVA0118	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/30/93	6	36	
CUVA0120	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/90-01/05/94	3	21	
CUVA0121	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/13/92-07/13/92	0	4	
CUVA0122	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/18/84-09/26/84	0	2	
CUVA0125	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	9	46	
CUVA0129	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/03/90-09/22/91	1	221	
CUVA0130	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-10/03/94	7	43	
CUVA0132	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/16/85-07/19/94	9	41	
CUVA0137	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/08/73-08/21/75	2	14	
CUVA0138	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	8	43	
CUVA0140	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/91-09/03/93	1	11	
CUVA0141	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/02/84-09/26/84	0	4	
CUVA0143	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/21/75-08/21/75	0	1	
CUVA0144	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/21/75-08/21/75	0	1	
CUVA0146	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/91-09/03/93	1	20	
CUVA0147	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/19/94	7	41	
CUVA0149	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/93-09/03/93	0	1	
CUVA0150	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/12/73-12/12/73	0	1	
CUVA0151	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-09/19/94	8	40	
CUVA0153	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-10/03/94	7	84	
CUVA0159	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	8	43	
CUVA0162	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/02/84-09/26/84	0	4	
CUVA0163	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/19/94	7	41	
CUVA0164	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	8	41	
CUVA0167	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/75-09/21/76	1	32	
CUVA0172	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/84-08/13/91	7	4	
CUVA0173	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/05/91-09/03/93	1	17	
CUVA0176	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/84-10/16/84	0	2	
CUVA0179	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/84-10/16/84	0	2	
CUVA0181	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/84-10/16/84	0	2	
CUVA0182	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/75-08/13/91	16	3	
CUVA0184	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/84-10/16/84	0	2	
CUVA0187	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/02/84-09/26/84	0	4	
CUVA0189	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/84-10/16/84	0	2	
CUVA0190	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/75-01/15/75	0	2	
CUVA0193	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/29/76-06/18/81	5	30	
CUVA0194	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/16/91-08/13/91	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0199	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/90-09/22/91	1	225	
CUVA0202	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/10/74-09/03/93	19	38	
CUVA0203	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	19	153	A
CUVA0214	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/74-09/12/84	10	26	
CUVA0215	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/23/84-09/26/84	0	5	
CUVA0224	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/23/84-09/26/84	0	5	
CUVA0063	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/13/92-07/13/92	0	9	
CUVA0065	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/13/92-07/13/92	0	1	
CUVA0071	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	0	1	
CUVA0086	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-07/13/92	9	8	
CUVA0088	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	0	1	
CUVA0097	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	0	1	
CUVA0102	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	0	1	
CUVA0104	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	0	1	
CUVA0110	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	0	1	
CUVA0111	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	0	1	
CUVA0115	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	06/27/94-06/28/94	0	2	
CUVA0117	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	0	1	
CUVA0119	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	0	1	
CUVA0121	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-07/13/92	9	2	
CUVA0123	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	0	1	
CUVA0124	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	0	1	
CUVA0131	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	0	1	
CUVA0134	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	0	1	
CUVA0140	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-07/13/92	9	3	
CUVA0146	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-07/14/92	9	8	
CUVA0149	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	0	1	
CUVA0152	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	0	1	
CUVA0154	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	0	1	
CUVA0158	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	0	1	
CUVA0160	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	0	1	
CUVA0161	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	0	1	
CUVA0167	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/05/76-09/14/82	5	79	
CUVA0173	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/13/92-07/14/92	0	4	
CUVA0192	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	0	1	
CUVA0202	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/03/76-12/15/94	18	99	
CUVA0047	No	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	10/06/91-07/13/92	0	3	
CUVA0054	No	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	10/06/91-09/03/93	1	5	
CUVA0058	No	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	10/06/91-07/13/92	0	3	
CUVA0063	No	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	09/04/91-09/03/93	1	17	
CUVA0065	Yes	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	09/04/91-09/03/93	1	7	
CUVA0067	No	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	09/04/91-09/03/93	1	8	
CUVA0086	Yes	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	09/04/91-09/03/93	1	22	
CUVA0121	No	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	07/13/92-09/23/93	1	9	
CUVA0140	Yes	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	09/04/91-09/03/93	1	11	
CUVA0146	Yes	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	09/04/91-09/03/93	1	20	
CUVA0173	Yes	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	09/05/91-09/03/93	1	14	
CUVA0202	No	31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	09/05/91-09/03/93	1	17	
CUVA0085	Yes	31648	E. COLI - MTEC-MF N0/100ML	07/11/91-09/20/94	3	11	
CUVA0087	Yes	31648	E. COLI - MTEC-MF N0/100ML	09/10/91-09/20/94	3	10	
CUVA0090	Yes	31648	E. COLI - MTEC-MF N0/100ML	04/02/90-10/03/94	4	284	
CUVA0095	Yes	31648	E. COLI - MTEC-MF N0/100ML	07/11/91-09/20/94	3	11	
CUVA0103	Yes	31648	E. COLI - MTEC-MF N0/100ML	07/17/91-09/20/94	3	11	
CUVA0105	Yes	31648	E. COLI - MTEC-MF N0/100ML	07/17/91-09/20/94	3	11	
CUVA0107	Yes	31648	E. COLI - MTEC-MF N0/100ML	07/02/91-09/09/93	2	8	
CUVA0109	Yes	31648	E. COLI - MTEC-MF N0/100ML	07/17/91-09/20/94	3	11	
CUVA0112	Yes	31648	E. COLI - MTEC-MF N0/100ML	07/17/91-09/20/94	3	11	
CUVA0113	Yes	31648	E. COLI - MTEC-MF N0/100ML	09/10/91-09/19/94	3	9	
CUVA0114	Yes	31648	E. COLI - MTEC-MF N0/100ML	07/18/91-09/19/94	3	8	
CUVA0116	Yes	31648	E. COLI - MTEC-MF N0/100ML	05/05/94-09/20/94	0	3	
CUVA0118	No	31648	E. COLI - MTEC-MF N0/100ML	04/13/92-09/30/93	1	6	
CUVA0120	No	31648	E. COLI - MTEC-MF N0/100ML	04/02/90-01/05/94	3	21	
CUVA0125	Yes	31648	E. COLI - MTEC-MF N0/100ML	07/18/91-09/19/94	3	11	
CUVA0129	Yes	31648	E. COLI - MTEC-MF N0/100ML	04/03/90-09/22/91	1	219	
CUVA0130	Yes	31648	E. COLI - MTEC-MF N0/100ML	07/01/91-10/03/94	3	13	
CUVA0132	Yes	31648	E. COLI - MTEC-MF N0/100ML	09/18/91-07/19/94	2	9	
CUVA0138	Yes	31648	E. COLI - MTEC-MF N0/100ML	07/10/91-10/03/94	3	13	
CUVA0147	Yes	31648	E. COLI - MTEC-MF N0/100ML	07/01/91-09/19/94	3	11	
CUVA0151	Yes	31648	E. COLI - MTEC-MF N0/100ML	07/10/91-09/19/94	3	11	
CUVA0153	Yes	31648	E. COLI - MTEC-MF N0/100ML	07/01/91-10/03/94	3	53	
CUVA0159	Yes	31648	E. COLI - MTEC-MF N0/100ML	07/10/91-10/03/94	3	13	
CUVA0163	Yes	31648	E. COLI - MTEC-MF N0/100ML	07/01/91-09/19/94	3	11	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0164	Yes	31648	E. COLI - MTEC-MF N0/100ML	07/10/91-10/03/94	3	12	
CUVA0199	Yes	31648	E. COLI - MTEC-MF N0/100ML	04/02/90-09/22/91	1	219	
CUVA0050	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/03/64-11/24/64	0	4	
CUVA0167	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/05/76-09/11/79	2	78	
CUVA0202	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/03/76-12/15/94	18	94	
CUVA0011	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/03/76-08/19/76	0	3	
CUVA0014	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/04/76-08/23/76	0	4	
CUVA0044	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/08/73-06/18/81	7	48	
CUVA0053	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	03/27/75-08/21/75	0	2	
CUVA0062	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	12/26/74-06/05/75	0	4	
CUVA0064	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/04/78-05/04/78	0	1	
CUVA0066	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	12/12/73-07/02/75	1	2	
CUVA0071	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0074	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/04/78-05/04/78	0	1	
CUVA0075	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/04/78-05/04/78	0	1	
CUVA0077	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/04/78-05/04/78	0	1	
CUVA0081	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/04/78-05/04/78	0	1	
CUVA0084	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	12/12/73-12/12/73	0	1	
CUVA0086	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0088	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0089	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	12/26/74-04/10/75	0	2	
CUVA0096	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	06/02/80-08/29/80	0	4	
CUVA0097	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0098	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	12/12/73-12/12/73	0	1	
CUVA0102	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0104	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0110	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0111	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0117	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0119	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0121	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0123	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0124	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0134	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0137	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/08/73-08/21/75	2	14	
CUVA0140	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0143	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/21/75-08/21/75	0	1	
CUVA0144	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/21/75-08/21/75	0	1	
CUVA0146	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0149	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0150	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	12/12/73-12/12/73	0	1	
CUVA0152	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0154	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0158	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0160	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0161	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0167	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/09/75-09/14/82	7	33	
CUVA0182	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	03/27/75-03/27/75	0	1	
CUVA0192	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	0	1	
CUVA0193	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/29/76-06/18/81	5	30	
CUVA0202	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/10/74-09/14/82	8	22	
CUVA0203	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/09/73-03/15/90	16	134	A
CUVA0214	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	03/28/74-06/18/81	7	22	
CUVA0038	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	10/07/87-10/07/87	0	1	
CUVA0157	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	03/04/75-03/04/75	0	1	
CUVA0203	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	10/07/87-10/07/87	0	1	
CUVA0157	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	03/04/75-03/04/75	0	1	
CUVA0203	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	10/07/87-10/07/87	0	1	
CUVA0157	No	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	03/04/75-03/04/75	0	1	
CUVA0203	No	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	32104	BROMOFORM,WHOLE WATER,UG/L	10/07/87-10/07/87	0	1	
CUVA0157	No	32104	BROMOFORM,WHOLE WATER,UG/L	03/04/75-03/04/75	0	1	
CUVA0203	No	32104	BROMOFORM,WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	10/07/87-10/07/87	0	1	
CUVA0203	No	32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	32106	CHLOROFORM,WHOLE WATER,UG/L	10/07/87-10/07/87	0	1	
CUVA0157	No	32106	CHLOROFORM,WHOLE WATER,UG/L	03/04/75-03/04/75	0	1	
CUVA0203	No	32106	CHLOROFORM,WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0202	No	32226	CHLOROPHYLL B, PERIPHYTON, SPECTRO, MG/M2	09/11/74-08/05/75	0	4	
CUVA0202	No	32228	CHLOROPHYLL A, PERIPHYTON, SPECTRO, MG/M2	09/11/74-08/05/75	0	4	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0203	No	32240	TANNIN AND LIGNIN (MG/L)	05/21/73-05/21/73	0	1	
CUVA0001	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	10/18/78-10/18/78	0	1	
CUVA0002	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/22/86-09/18/86	0	5	
CUVA0003	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	0	4	
CUVA0004	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/30/86-07/30/86	0	2	
CUVA0005	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	0	4	
CUVA0006	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	0	4	
CUVA0007	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-09/18/91	5	10	
CUVA0008	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/30/86-07/30/86	0	1	
CUVA0009	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	0	4	
CUVA0012	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/30/86-07/30/86	0	2	
CUVA0013	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	0	4	
CUVA0015	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	0	4	
CUVA0016	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	0	4	
CUVA0017	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	0	4	
CUVA0019	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	0	4	
CUVA0021	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	0	4	
CUVA0023	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	0	4	
CUVA0035	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	0	4	
CUVA0037	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/12/86-08/27/86	0	2	
CUVA0039	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	0	4	
CUVA0040	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-09/18/91	5	9	
CUVA0041	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/86-12/08/86	0	3	
CUVA0042	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/12/86-09/18/86	0	3	
CUVA0044	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/08/73-09/24/84	11	51	
CUVA0046	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	0	4	
CUVA0050	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/03/64-11/24/64	0	3	
CUVA0051	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/22/86-09/18/91	5	11	
CUVA0052	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/30/84-09/24/91	7	12	
CUVA0053	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/75-08/21/75	0	1	
CUVA0057	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/11/91-09/24/91	0	6	
CUVA0060	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/07/72-11/07/72	0	1	
CUVA0062	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	12/26/74-09/10/87	12	10	
CUVA0066	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/02/75-07/02/75	0	1	
CUVA0069	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/84-09/24/91	7	9	
CUVA0070	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/07/72-11/07/72	0	1	
CUVA0076	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/07/72-11/07/72	0	1	
CUVA0082	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/07/72-11/07/72	0	1	
CUVA0083	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/30/84-09/24/91	7	13	
CUVA0089	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	12/26/74-09/24/91	16	13	
CUVA0099	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/30/84-09/24/84	0	5	
CUVA0128	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/11/91-09/24/91	0	6	
CUVA0135	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/07/72-10/02/84	11	7	
CUVA0137	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/08/73-09/05/84	11	15	
CUVA0139	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/08/84-09/05/84	0	3	
CUVA0155	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	10/28/82-10/28/82	0	1	
CUVA0156	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	10/28/82-10/28/82	0	1	
CUVA0162	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/02/84-09/26/84	0	5	
CUVA0166	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/26/84-10/02/84	0	4	
CUVA0167	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/75-09/11/79	4	110	
CUVA0170	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	03/28/85-03/28/85	0	1	
CUVA0171	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	03/28/85-03/28/85	0	1	
CUVA0172	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	12/14/78-12/14/78	0	1	
CUVA0174	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	03/28/85-03/28/85	0	1	
CUVA0176	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/26/84-10/02/84	0	4	
CUVA0177	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	03/28/85-03/28/85	0	1	
CUVA0178	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	03/28/85-03/28/85	0	1	
CUVA0179	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/26/84-10/02/84	0	4	
CUVA0180	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	10/31/84-10/31/84	0	1	
CUVA0181	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/26/84-09/26/85	1	5	
CUVA0182	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/28/73-03/27/75	1	8	
CUVA0183	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	10/31/84-03/28/85	0	2	
CUVA0187	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/02/84-09/24/91	7	11	
CUVA0191	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/04/76-10/13/76	0	2	
CUVA0193	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	12/24/75-06/18/81	5	34	
CUVA0194	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	03/07/76-10/13/76	0	2	
CUVA0203	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	20	207	A
CUVA0208	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	03/01/72-03/02/72	0	2	
CUVA0210	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/03/75-06/03/75	0	1	
CUVA0213	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/07/72-11/07/72	0	1	
CUVA0214	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/28/73-09/12/84	11	34	
CUVA0215	Yes	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/23/84-09/26/84	0	5	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0216	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/07/72-11/07/72	0	1	
CUVA0217	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/24/91-09/24/91	0	3	
CUVA0220	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/07/72-11/07/72	0	1	
CUVA0224	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/23/84-09/24/91	7	11	
CUVA0225	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/23/87-10/29/87	0	2	
CUVA0226	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/15/87-09/24/91	4	10	
CUVA0227	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/25/69-09/25/69	0	1	
CUVA0228	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/16/69-09/22/69	0	4	
CUVA0038	No	34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	10/07/87-10/07/87	0	1	
CUVA0038	No	34020	XYLENES IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	10/07/87-10/07/87	0	1	
CUVA0038	No	34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	10/07/87-10/07/87	0	1	
CUVA0203	No	34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	07/13/88-07/13/88	0	1	
CUVA0203	No	34101	NITROGLYCERIN,WATER SAMPLE BY GAS CHROMATOGRAPHY M	07/13/88-07/13/88	0	1	
CUVA0203	No	34200	ACENAPHTHYLENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34205	ACENAPHTHENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34220	ANTHRACENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34247	BENZO-A-PYRENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	34301	CHLOROBENZENE TOTWUG/L	10/07/87-10/07/87	0	1	
CUVA0203	No	34301	CHLOROBENZENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0157	No	34306	CHLORODIBROMOMETHANE TOTWUG/L	03/04/75-03/04/75	0	1	
CUVA0203	No	34320	CHRYSENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34336	DIETHYL PHTHALATE TOTWUG/L	11/16/78-07/13/88	9	19	
CUVA0203	No	34341	DIMETHYL PHTHALATE TOTWUG/L	11/16/78-07/13/88	9	19	
CUVA0038	No	34371	ETHYLBENZENE TOTWUG/L	10/07/87-10/07/87	0	1	
CUVA0203	No	34371	ETHYLBENZENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34376	FLUORANTHENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34381	FLUORENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34396	HEXACHLOROETHANE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34408	ISOPHORONE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	34423	METHYLENE CHLORIDE TOTWUG/L	10/07/87-10/07/87	0	1	
CUVA0203	No	34423	METHYLENE CHLORIDE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34433	N-NITROSODIPHENYLAMINE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34447	NITROBENZENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34452	PARACHLOROMETA CRESOL TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34461	PHENANTHRENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34469	PYRENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	34475	TETRACHLOROETHYLENE TOTWUG/L	10/07/87-10/07/87	0	1	
CUVA0203	No	34475	TETRACHLOROETHYLENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	34496	1,1-DICHLOROETHANE TOTWUG/L	10/07/87-10/07/87	0	1	
CUVA0203	No	34496	1,1-DICHLOROETHANE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	10/07/87-10/07/87	0	1	
CUVA0203	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	10/07/87-10/07/87	0	1	
CUVA0203	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	10/07/87-10/07/87	0	1	
CUVA0203	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	10/07/87-10/07/87	0	1	
CUVA0203	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	10/07/87-10/07/87	0	1	
CUVA0203	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	10/07/87-10/07/87	0	1	
CUVA0203	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	10/07/87-10/07/87	0	1	
CUVA0203	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	34566	1,3-DICHLOROBENZENE TOTWUG/L	10/07/87-10/07/87	0	1	
CUVA0203	No	34566	1,3-DICHLOROBENZENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	10/07/87-10/07/87	0	1	
CUVA0203	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	10/07/87-10/07/87	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0203	No	34581	2-CHLORONAPHTHALENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34586	2-CHLOROPHENOL TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34591	2-NITROPHENOL TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34596	DI-N-OCTYL PHTHALATE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34601	2,4-DICHLOROPHENOL TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34606	2,4-DIMETHYLPHENOL TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34611	2,4-DINITROTOLUENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34616	2,4-DINITROPHENOL TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34626	2,6-DINITROTOLUENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34646	4-NITROPHENOL TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	34696	NAPHTHALENE TOTWUG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	10/07/87-10/07/87	0	1	
CUVA0038	No	34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	10/07/87-10/07/87	0	1	
CUVA0014	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	05/04/76-05/04/76	0	1	
CUVA0044	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/08/73-06/18/81	7	45	
CUVA0053	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/21/75-08/21/75	0	1	
CUVA0062	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	01/23/74-06/05/75	1	15	
CUVA0064	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	05/04/78-05/04/78	0	1	
CUVA0066	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	12/12/73-12/12/73	0	1	
CUVA0069	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	09/18/74-01/31/75	0	17	
CUVA0074	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	05/04/78-05/04/78	0	1	
CUVA0077	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	05/04/78-05/04/78	0	1	
CUVA0081	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	05/04/78-05/04/78	0	1	
CUVA0089	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	01/23/74-04/10/75	1	37	
CUVA0096	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/02/80-06/02/80	0	1	
CUVA0135	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/01/76-08/04/76	0	2	
CUVA0137	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/08/73-08/21/75	2	11	
CUVA0143	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/21/75-08/21/75	0	1	
CUVA0144	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/21/75-08/21/75	0	1	
CUVA0172	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	12/14/78-12/14/78	0	1	
CUVA0191	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/04/76-10/13/76	0	2	
CUVA0193	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	12/24/75-06/18/81	5	29	
CUVA0194	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	03/07/76-10/13/76	0	2	
CUVA0203	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	04/09/73-11/09/81	8	99	A
CUVA0206	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	11/06/75-11/06/75	0	1	
CUVA0214	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	02/14/74-06/18/81	7	23	
CUVA0204	No	38477	LINURON WATER, TOTUG/L	04/11/83-08/31/87	4	91	
CUVA0204	No	38537	PROPOXUR WATER, TOTUG/L	05/05/86-08/31/87	1	20	
CUVA0203	No	38760	DBCP WATER, TOTUG/L	07/13/88-07/13/88	0	1	
CUVA0204	No	39023	PHORATE, FLAME IONIZATION, WATER SAMPLE (UG/L)	12/07/81-08/02/82	0	15	
CUVA0202	No	39025	SIMAZINE,COULSON CONDUCTIVITY,WATER SAMPLE(UG/L)	08/18/76-08/09/78	1	7	
CUVA0203	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	07/13/88-07/13/88	0	1	
CUVA0204	No	39033	ATRAZINE IN WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	5	112	
CUVA0202	No	39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	03/02/82-05/04/82	0	2	
CUVA0202	No	39046	SIMAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	11/03/76-05/11/77	0	2	
CUVA0204	No	39053	ALDICARB IN WHOLE WATER (UG/L)	05/05/86-08/31/87	1	20	
CUVA0204	No	39055	SIMAZINE IN WHOLE WATER (UG/L)	12/07/81-08/31/87	5	111	
CUVA0202	No	39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	12/21/88-12/15/94	5	24	
CUVA0203	No	39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	10/07/87-10/07/87	0	1	
CUVA0203	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	07/13/88-07/13/88	0	1	
CUVA0202	No	39250	NAPTHALENES, POLYCHLORINATED (UG/L)	03/02/82-05/04/82	0	2	
CUVA0202	No	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/28/81-05/04/82	0	2	
CUVA0193	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	0	1	
CUVA0202	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	6	15	
CUVA0203	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	7	60	
CUVA0214	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	2	
CUVA0202	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/11/77-05/04/82	4	4	
CUVA0193	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/29/77-09/29/77	0	1	
CUVA0202	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/02/75-05/04/82	6	15	
CUVA0203	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	05/07/73-06/18/80	7	49	
CUVA0214	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/04/75-09/29/77	2	2	
CUVA0202	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	05/11/77-05/04/82	4	4	
CUVA0193	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/29/77-09/29/77	0	1	
CUVA0202	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/02/75-05/04/82	6	15	
CUVA0203	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	04/09/73-06/18/80	7	60	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0214	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/04/75-09/29/77	2	2	
CUVA0202	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	05/11/77-05/04/82	4	4	
CUVA0204	No	39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	12/07/81-08/31/87	5	109	
CUVA0193	No	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	0	1	
CUVA0202	No	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	6	15	
CUVA0203	No	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	7	60	
CUVA0214	No	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	2	
CUVA0202	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/11/77-05/04/82	4	4	
CUVA0193	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	0	1	
CUVA0202	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	6	15	
CUVA0203	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	7	60	
CUVA0214	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	2	
CUVA0202	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/11/77-05/04/82	4	4	
CUVA0193	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	0	1	
CUVA0202	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	6	15	
CUVA0203	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	7	60	
CUVA0214	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	2	
CUVA0202	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/11/77-05/04/82	4	4	
CUVA0193	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	0	1	
CUVA0202	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	6	15	
CUVA0203	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	7	60	
CUVA0214	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	2	
CUVA0202	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/11/77-05/04/82	4	4	
CUVA0202	No	39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	03/02/82-05/04/82	0	2	
CUVA0202	No	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/28/81-05/04/82	0	2	
CUVA0193	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	0	1	
CUVA0202	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	6	15	
CUVA0203	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	7	60	
CUVA0214	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	2	
CUVA0202	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/11/77-05/04/82	4	4	
CUVA0202	No	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	6	13	
CUVA0202	No	39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/11/77-05/08/79	1	2	
CUVA0202	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	6	15	
CUVA0203	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/18/80-06/18/80	0	1	
CUVA0202	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/11/77-05/04/82	4	4	
CUVA0193	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	0	1	
CUVA0202	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	6	15	
CUVA0203	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	7	61	
CUVA0214	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	2	
CUVA0202	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	05/11/77-05/04/82	4	4	
CUVA0193	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	0	1	
CUVA0202	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	6	15	
CUVA0203	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	7	60	
CUVA0214	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	2	
CUVA0202	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	05/11/77-05/04/82	4	4	
CUVA0193	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	0	1	
CUVA0202	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	6	15	
CUVA0203	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	7	60	
CUVA0214	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	2	
CUVA0202	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	05/11/77-05/04/82	4	4	
CUVA0202	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	02/12/80-02/12/80	0	1	
CUVA0202	No	39499	PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	05/11/77-05/11/77	0	1	
CUVA0202	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	02/12/80-02/12/80	0	1	
CUVA0202	No	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	11/30/77-02/12/80	2	2	
CUVA0202	No	39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	05/08/79-05/08/79	0	1	
CUVA0202	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	02/12/80-02/12/80	0	1	
CUVA0044	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	12/15/76-09/29/77	0	2	
CUVA0193	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	0	1	
CUVA0202	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	02/16/78-05/04/82	4	7	
CUVA0203	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	05/08/75-08/05/81	6	23	
CUVA0214	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	0	1	
CUVA0202	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/28/81-05/04/82	0	2	
CUVA0193	No	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	0	1	
CUVA0202	No	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	6	13	
CUVA0203	No	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	7	59	
CUVA0214	No	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	2	
CUVA0202	No	39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/11/77-05/08/79	1	2	
CUVA0193	No	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	0	1	
CUVA0202	No	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	6	13	
CUVA0203	No	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	7	59	
CUVA0214	No	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	2	
CUVA0202	No	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/11/77-05/08/79	1	2	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0202	No	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	6	13	
CUVA0203	No	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	06/18/80-06/18/80	0	1	
CUVA0204	No	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	12/07/81-08/31/87	5	41	
CUVA0202	No	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/11/77-05/08/79	1	2	
CUVA0193	No	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	0	1	
CUVA0202	No	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	6	13	
CUVA0203	No	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	7	60	
CUVA0214	No	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	2	
CUVA0202	No	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	05/11/77-05/08/79	1	2	
CUVA0202	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	08/18/76-08/09/78	1	7	
CUVA0202	No	39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	11/03/76-05/11/77	0	2	
CUVA0203	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	07/13/88-07/13/88	0	1	
CUVA0203	No	39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	07/13/88-07/13/88	0	1	
CUVA0202	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	08/18/76-05/04/82	5	10	
CUVA0202	No	39731	2,4-D IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/03/76-05/11/77	0	2	
CUVA0202	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	08/18/76-05/04/82	5	10	
CUVA0202	No	39741	2,4,5-T IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/03/76-05/11/77	0	2	
CUVA0202	No	39755	MIREX, TOTAL (UG/L)	03/02/82-05/04/82	0	2	
CUVA0203	No	39755	MIREX, TOTAL (UG/L)	06/18/80-06/18/80	0	1	
CUVA0202	No	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	10/28/81-05/04/82	0	2	
CUVA0202	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	08/18/76-05/04/82	5	10	
CUVA0202	No	39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/03/76-05/11/77	0	2	
CUVA0193	No	39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	0	1	
CUVA0203	No	39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	7	60	
CUVA0214	No	39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	2	
CUVA0202	No	39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	6	13	
CUVA0202	No	39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/11/77-05/08/79	1	2	
CUVA0202	No	39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	6	13	
CUVA0202	No	39791	METHYL TRITHION IN BOT DEPOS (UG/KG DRY SOLIDS)	05/11/77-05/08/79	1	2	
CUVA0076	Yes	50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	11/07/72-11/07/72	0	1	
CUVA0078	No	50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	06/22/72-06/22/72	0	1	
CUVA0079	No	50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	06/22/72-06/22/72	0	1	
CUVA0216	No	50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	11/07/72-11/07/72	0	1	
CUVA0190	No	50051	FLOW, RATE, INSTANTANEOUS MGD	01/14/75-01/15/75	0	12	
CUVA0083	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/24/87-09/24/91	4	4	
CUVA0089	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/22/87-07/22/87	0	1	
CUVA0099	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/22/87-07/22/87	0	1	
CUVA0141	Yes	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/22/87-07/22/87	0	1	
CUVA0190	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	01/14/75-01/15/75	0	12	
CUVA0011	No	60050	ALGAE, TOTAL (CELLS/ML)	05/03/76-05/03/76	0	1	
CUVA0014	No	60050	ALGAE, TOTAL (CELLS/ML)	05/04/76-05/04/76	0	1	
CUVA0096	No	60050	ALGAE, TOTAL (CELLS/ML)	06/02/80-08/29/80	0	4	
CUVA0202	No	60050	ALGAE, TOTAL (CELLS/ML)	04/03/74-08/12/81	7	34	
CUVA0002	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/22/86-09/18/86	0	5	
CUVA0003	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/16/86	0	5	
CUVA0004	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/24/86-11/04/86	0	8	
CUVA0005	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/17/86	0	5	
CUVA0006	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/16/86	0	5	
CUVA0007	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/18/91	5	9	
CUVA0008	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/24/86-11/04/86	0	8	
CUVA0009	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/16/86	0	5	
CUVA0010	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/08/65-10/24/72	7	7	
CUVA0011	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/03/76-05/03/76	0	1	
CUVA0012	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/24/86-11/04/86	0	8	
CUVA0013	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/16/86	0	5	
CUVA0014	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/04/76-05/04/76	0	1	
CUVA0015	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/17/86	0	5	
CUVA0016	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/17/86	0	5	
CUVA0017	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/17/86	0	5	
CUVA0018	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/08/65-09/15/72	7	7	
CUVA0019	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/17/86	0	5	
CUVA0020	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/08/65-10/24/72	7	7	
CUVA0021	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/16/86	0	5	
CUVA0022	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/22/86-09/18/86	0	5	
CUVA0023	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/16/86	0	5	
CUVA0024	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/72-04/12/72	0	1	
CUVA0025	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/72-04/12/72	0	1	
CUVA0026	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/72-04/12/72	0	1	
CUVA0027	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/72-04/12/72	0	1	
CUVA0028	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/72-04/12/72	0	1	
CUVA0029	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/72-04/12/72	0	1	
CUVA0030	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/72-04/12/72	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0031	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/72-04/12/72	0	1	
CUVA0032	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/72-04/12/72	0	1	
CUVA0033	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/72-04/12/72	0	1	
CUVA0035	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/17/86	0	5	
CUVA0036	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/72-04/12/72	0	1	
CUVA0037	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/22/86-09/18/86	0	5	
CUVA0039	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/17/86	0	5	
CUVA0040	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/18/91	5	11	
CUVA0041	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/21/86-12/08/86	0	3	
CUVA0042	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/22/86-09/18/86	0	5	
CUVA0043	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/22/86-09/18/86	0	4	
CUVA0044	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/20/79-09/18/86	6	17	
CUVA0046	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/17/86	0	5	
CUVA0048	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/17/88-08/17/88	0	1	
CUVA0051	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/22/86-09/18/91	5	11	
CUVA0052	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/30/84-09/24/91	7	18	
CUVA0053	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/24/87-07/02/91	4	29	
CUVA0057	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/11/91-09/24/91	0	6	
CUVA0060	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/07/72-11/07/72	0	1	
CUVA0062	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/30/84-09/10/87	3	12	
CUVA0063	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-07/19/73	8	73	
CUVA0069	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/21/84-09/24/91	7	9	
CUVA0070	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/07/72-11/07/72	0	1	
CUVA0072	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/15/90-08/15/90	0	1	
CUVA0073	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/24/91-09/24/91	0	1	
CUVA0074	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/15/90-09/24/91	1	3	
CUVA0075	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/15/90-09/24/91	1	2	
CUVA0076	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/07/72-11/07/72	0	1	
CUVA0077	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/15/90-09/24/91	1	2	
CUVA0080	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/16/90-09/24/91	1	2	
CUVA0081	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/15/90-09/24/91	1	2	
CUVA0082	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/07/72-11/07/72	0	1	
CUVA0083	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/30/84-09/24/91	7	15	
CUVA0089	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/30/84-09/24/91	7	14	
CUVA0091	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/14/84-08/14/84	0	1	
CUVA0096	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/02/80-06/02/80	0	1	
CUVA0098	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/15/91-08/15/91	0	1	
CUVA0099	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/30/84-09/10/87	3	8	
CUVA0100	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/84-09/19/84	0	5	
CUVA0101	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/84-09/13/84	0	4	
CUVA0106	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/84-09/13/84	0	4	
CUVA0108	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/84-09/13/84	0	4	
CUVA0122	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/24/87-09/10/87	0	3	
CUVA0126	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/08/84-07/24/91	6	4	
CUVA0127	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/08/84-07/24/91	6	4	
CUVA0128	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/11/91-09/24/91	0	6	
CUVA0133	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/25/84-09/05/84	0	4	
CUVA0135	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/26/84-08/29/91	7	9	
CUVA0136	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/91-07/24/91	0	1	
CUVA0137	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/25/84-07/24/91	6	6	
CUVA0139	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/08/84-09/05/84	0	3	
CUVA0141	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/84-09/10/87	3	8	
CUVA0142	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/23/90-04/23/90	0	1	
CUVA0144	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/25/84-09/05/84	0	4	
CUVA0145	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/08/84-09/05/84	0	3	
CUVA0148	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/03/87-11/03/87	0	1	
CUVA0155	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/28/82-09/22/88	5	2	
CUVA0156	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/28/82-09/22/88	5	2	
CUVA0162	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/84-10/29/87	3	8	
CUVA0165	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/30/91-07/31/91	0	2	
CUVA0166	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/26/84-08/29/91	7	9	
CUVA0167	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/75-09/11/79	4	110	
CUVA0168	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/03/82-01/11/83	0	2	
CUVA0169	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/11/83-01/11/83	0	1	
CUVA0170	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/28/85-03/28/85	0	1	
CUVA0171	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/28/85-03/28/85	0	1	
CUVA0172	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/26/84-08/29/91	7	10	
CUVA0174	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/28/85-04/14/88	3	2	
CUVA0177	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/28/85-03/28/85	0	1	
CUVA0178	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/28/85-03/28/85	0	1	
CUVA0179	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/26/85-07/31/91	5	3	
CUVA0180	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/31/84-10/31/84	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0181	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/26/84-09/26/85	1	5	
CUVA0182	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/10/91-08/29/91	0	3	
CUVA0183	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/31/84-03/28/85	0	2	
CUVA0184	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/26/84-10/02/84	0	4	
CUVA0187	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/84-09/24/91	7	15	
CUVA0188	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/31/91-07/31/91	0	2	
CUVA0189	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/26/84-08/29/91	7	9	
CUVA0191	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/30/91-07/31/91	0	2	
CUVA0192	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/07/65-09/18/72	7	8	
CUVA0193	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/20/80-06/18/81	1	5	
CUVA0194	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/10/91-08/29/91	0	5	
CUVA0196	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/26/84-10/02/84	0	4	
CUVA0198	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/07/65-10/20/72	7	8	
CUVA0202	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	30	222	T,S
CUVA0203	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/21/80-12/07/93	13	162	A
CUVA0205	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/18/85-04/18/85	0	1	
CUVA0207	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/18/85-04/18/85	0	1	
CUVA0209	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/15/87-10/29/87	0	4	
CUVA0212	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/31/90-08/22/90	0	8	
CUVA0213	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/07/72-11/07/72	0	1	
CUVA0214	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/20/80-09/12/91	11	25	
CUVA0215	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/84-09/26/84	0	5	
CUVA0216	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/07/72-11/07/72	0	1	
CUVA0217	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/91-09/24/91	0	3	
CUVA0218	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/09/91-09/09/91	0	1	
CUVA0219	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/27/90-09/26/90	0	4	
CUVA0220	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/07/72-11/07/72	0	1	
CUVA0221	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/21/90-09/26/90	0	5	
CUVA0222	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/28/90-09/26/90	0	4	
CUVA0223	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/12/91-09/12/91	0	1	
CUVA0224	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/84-09/24/91	7	23	
CUVA0225	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/15/87-10/29/87	0	3	
CUVA0226	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/15/87-09/24/91	4	17	
CUVA0020	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/10/74-06/29/77	2	7	
CUVA0045	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/10/74-06/29/77	2	7	
CUVA0063	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/10/74-06/29/77	2	7	
CUVA0088	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/10/74-06/29/77	2	7	
CUVA0096	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/02/80-06/02/80	0	1	
CUVA0192	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/14/74-07/28/77	2	7	
CUVA0198	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/22/74-07/28/77	2	7	
CUVA0202	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/10/74-11/19/85	11	51	
CUVA0010	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	09/30/68-10/24/72	4	5	
CUVA0018	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	09/16/68-09/15/72	3	5	
CUVA0020	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	09/16/68-06/29/77	8	12	
CUVA0045	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	09/10/74-06/29/77	2	7	
CUVA0063	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	11/24/69-06/29/77	7	76	
CUVA0088	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	09/10/74-06/29/77	2	7	
CUVA0167	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	07/09/75-09/11/79	4	104	
CUVA0192	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	09/07/65-07/28/77	11	14	
CUVA0198	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	09/07/65-07/28/77	11	14	
CUVA0202	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	04/03/68-08/17/82	14	174	
CUVA0010	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/30/68-10/24/72	4	5	
CUVA0011	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/03/76-05/03/76	0	1	
CUVA0014	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/04/76-05/04/76	0	1	
CUVA0018	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/16/68-09/15/72	3	5	
CUVA0020	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/16/68-06/29/77	8	12	
CUVA0045	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/10/74-06/29/77	2	7	
CUVA0063	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/24/69-06/29/77	7	77	
CUVA0088	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/10/74-06/29/77	2	7	
CUVA0096	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/02/80-06/02/80	0	1	
CUVA0167	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/09/75-09/11/79	4	109	
CUVA0192	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/07/65-07/28/77	11	14	
CUVA0198	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/07/65-07/28/77	11	14	
CUVA0202	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/03/68-02/15/83	14	176	
CUVA0203	No	70311	PH, CACO3 STABILITY (STANDARD UNITS)	06/18/80-06/18/80	0	1	
CUVA0202	No	70326	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .002MM	04/04/57-12/28/68	11	15	
CUVA0202	No	70327	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .004MM	04/04/57-12/28/68	11	15	
CUVA0202	No	70328	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .008MM	04/04/57-12/28/68	11	15	
CUVA0202	No	70329	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .016MM	04/04/57-12/28/68	11	15	
CUVA0202	No	70330	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .031MM	04/04/57-12/28/68	11	15	
CUVA0063	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	03/13/72-09/14/79	7	19	
CUVA0192	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	03/14/72-09/14/79	7	24	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0202	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/22/57-09/03/86	29	76	S
CUVA0063	No	70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	03/13/72-09/14/79	7	19	
CUVA0192	No	70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	03/14/72-09/14/79	7	24	
CUVA0202	No	70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	01/22/57-07/02/83	26	68	S
CUVA0063	No	70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	03/13/72-09/14/79	7	19	
CUVA0192	No	70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	03/14/72-09/14/79	7	24	
CUVA0202	No	70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	01/22/57-07/02/83	26	62	S
CUVA0063	No	70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	03/13/72-09/14/79	7	13	
CUVA0192	No	70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	03/14/72-09/14/79	7	21	
CUVA0202	No	70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	01/22/57-03/28/83	26	41	S
CUVA0063	No	70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	03/15/73-09/14/79	6	8	
CUVA0192	No	70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	06/23/72-09/14/79	7	10	
CUVA0202	No	70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	04/24/61-12/16/82	21	17	
CUVA0192	No	70336	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 2.00MM	09/14/79-09/14/79	0	1	
CUVA0063	No	70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	03/13/72-09/14/79	7	19	
CUVA0192	No	70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	03/14/72-09/14/79	7	25	
CUVA0202	No	70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	01/22/57-07/02/83	26	73	S
CUVA0063	No	70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	03/13/72-09/14/79	7	19	
CUVA0192	No	70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	03/14/72-09/14/79	7	25	
CUVA0202	No	70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	01/22/57-07/02/83	26	73	S
CUVA0063	No	70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	03/13/72-09/14/79	7	19	
CUVA0192	No	70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	03/14/72-09/14/79	7	25	
CUVA0202	No	70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	01/22/57-07/02/83	26	73	S
CUVA0063	No	70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	03/13/72-09/14/79	7	19	
CUVA0192	No	70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	03/14/72-09/14/79	7	25	
CUVA0202	No	70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	01/22/57-07/02/83	26	73	S
CUVA0063	No	70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	03/13/72-09/14/79	7	19	
CUVA0192	No	70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	03/14/72-09/14/79	7	25	
CUVA0202	No	70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	01/22/57-07/02/83	26	72	S
CUVA0202	No	70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	06/05/62-07/03/62	0	2	
CUVA0202	No	70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	06/05/62-07/03/62	0	2	
CUVA0024	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/12/72-04/12/72	0	1	
CUVA0025	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/12/72-04/12/72	0	1	
CUVA0026	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/12/72-04/12/72	0	1	
CUVA0027	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/12/72-04/12/72	0	1	
CUVA0028	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/12/72-04/12/72	0	1	
CUVA0029	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/12/72-04/12/72	0	1	
CUVA0030	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/12/72-04/12/72	0	1	
CUVA0031	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/12/72-04/12/72	0	1	
CUVA0032	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/12/72-04/12/72	0	1	
CUVA0033	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/12/72-04/12/72	0	1	
CUVA0036	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/12/72-04/12/72	0	1	
CUVA0011	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/03/76-08/19/76	0	3	
CUVA0014	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/04/76-08/23/76	0	4	
CUVA0078	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/22/72-06/22/72	0	1	
CUVA0079	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/22/72-06/22/72	0	1	
CUVA0096	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/02/80-08/29/80	0	3	
CUVA0202	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12/11/90-12/08/92	1	11	
CUVA0202	No	70950	BIOMASS-CHLOROPHYLL RATIO, PERIPHYTON (UNITS)	11/03/76-09/09/80	3	4	
CUVA0202	No	70955	CHLOROPHYLL-A,PERIDHYTON UG/L,CHROMO-SPECTRO	11/03/76-11/03/76	0	1	
CUVA0202	No	70956	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-SPECTRO	11/03/76-11/03/76	0	1	
CUVA0202	No	70957	CHLOROPHYLL-A,PERIPHYTON UG/L,CHROMO-FLUORO	08/09/78-09/09/80	2	5	
CUVA0202	No	70958	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-FLUORO	08/09/78-09/09/80	2	5	
CUVA0096	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	06/02/80-08/29/80	0	3	
CUVA0167	Yes	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/17/79-09/11/79	0	12	
CUVA0202	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	05/08/79-01/06/81	1	14	
CUVA0202	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/03/79-11/19/85	6	26	
CUVA0010	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/02/69-06/19/73	3	13	
CUVA0018	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/14/69-06/19/73	3	13	
CUVA0020	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/14/69-06/19/73	3	12	
CUVA0063	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/21/64-07/19/73	8	72	
CUVA0192	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/13/69-03/05/73	3	12	
CUVA0198	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/03/69-06/15/73	3	12	
CUVA0202	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/21/64-07/28/73	8	127	
CUVA0011	No	71875	HYDROGEN SULFIDE (MG/L)	05/03/76-08/19/76	0	3	
CUVA0014	No	71875	HYDROGEN SULFIDE (MG/L)	05/04/76-08/23/76	0	4	
CUVA0096	No	71875	HYDROGEN SULFIDE (MG/L)	06/02/80-08/29/80	0	4	
CUVA0063	No	71885	IRON (UG/L AS FE)	09/21/64-10/06/65	1	2	
CUVA0202	No	71885	IRON (UG/L AS FE)	09/21/64-09/21/64	0	1	
CUVA0010	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	09/08/70-10/24/72	2	3	
CUVA0018	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	09/08/70-09/15/72	2	3	
CUVA0020	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	09/08/70-10/24/72	2	3	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0063	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/06/65-10/06/65	0	1	
CUVA0093	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/02/80-08/29/80	0	2	
CUVA0096	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/02/80-08/29/80	0	4	
CUVA0167	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/17/79-09/11/79	0	12	
CUVA0192	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	09/24/70-09/18/72	1	3	
CUVA0198	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	09/25/70-10/20/72	2	3	
CUVA0202	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	09/03/70-11/19/85	15	36	
CUVA0011	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	05/03/76-08/19/76	0	3	
CUVA0014	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	05/04/76-08/23/76	0	4	
CUVA0093	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/02/80-08/29/80	0	2	
CUVA0096	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/02/80-08/29/80	0	3	
CUVA0167	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	07/09/75-09/11/79	4	110	
CUVA0202	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	01/10/74-08/12/81	7	57	
CUVA0063	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	08/04/71-08/04/71	0	1	
CUVA0094	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/15/70-10/15/70	0	1	
CUVA0202	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	01/10/74-09/17/91	17	59	
CUVA0202	No	71895	MERCURY, SUSPENDED (UG/L AS HG)	01/10/74-06/15/82	8	19	
CUVA0001	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/18/78-10/18/78	0	1	
CUVA0011	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/03/76-05/03/76	0	1	
CUVA0014	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/04/76-05/04/76	0	1	
CUVA0020	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/20/75-06/29/77	1	5	
CUVA0044	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/13/73-09/17/84	11	23	
CUVA0045	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/22/75-06/29/77	1	5	
CUVA0052	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/30/84-09/17/84	0	4	
CUVA0062	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/10/75-09/17/84	9	6	
CUVA0063	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/15/70-06/29/77	6	14	
CUVA0083	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/30/84-09/17/84	0	4	
CUVA0088	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	07/28/75-06/29/77	1	5	
CUVA0089	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	04/10/75-04/10/75	0	1	
CUVA0094	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	10/15/70-10/15/70	0	1	
CUVA0096	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/02/80-06/02/80	0	1	
CUVA0100	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/14/84-09/13/84	0	3	
CUVA0106	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/14/84-09/13/84	0	3	
CUVA0108	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/14/84-09/13/84	0	3	
CUVA0126	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/16/84-09/05/84	0	2	
CUVA0127	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/08/84-09/05/84	0	3	
CUVA0135	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/01/76-08/04/76	0	2	
CUVA0137	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	08/08/84-09/05/84	0	3	
CUVA0144	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/08/84-09/05/84	0	3	
CUVA0145	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/08/84-08/16/84	0	2	
CUVA0162	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	08/15/84-09/18/84	0	3	
CUVA0166	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	07/26/84-08/08/84	0	2	
CUVA0172	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	12/14/78-12/14/78	0	1	
CUVA0179	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/26/84-08/08/84	0	2	
CUVA0181	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	07/26/84-08/08/84	0	2	
CUVA0191	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/04/76-08/04/76	0	1	
CUVA0192	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/13/75-07/28/77	1	5	
CUVA0193	No	71900	MERCURY, TOTAL (UG/L AS HG)	12/24/75-12/17/80	4	16	
CUVA0194	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/07/76-08/04/76	0	2	
CUVA0198	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	08/13/75-07/28/77	1	5	
CUVA0202	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/15/70-06/15/82	11	30	
CUVA0203	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/09/73-09/26/91	18	62	
CUVA0209	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/22/76-07/22/76	0	1	
CUVA0214	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/28/74-09/26/91	17	26	
CUVA0215	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	07/23/84-09/18/84	0	4	
CUVA0224	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/23/84-09/18/84	0	4	
CUVA0034	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/10/79-09/10/79	0	1	
CUVA0049	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/10/79-09/10/79	0	1	
CUVA0088	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0097	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0102	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0104	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0110	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0111	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0119	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0123	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0124	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0131	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0134	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0149	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0152	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/17/82-08/17/82	0	1	
CUVA0158	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/18/82-08/18/82	0	1	

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Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0160	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0167	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0192	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0202	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/18/82-08/18/82	0	1	
CUVA0228	No	74020	FLOW, PUMP OUT MGD	09/16/69-09/28/70	1	9	
CUVA0203	No	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	77128	STYRENE WHOLE WATER,UG/L	10/07/87-10/07/87	0	1	
CUVA0203	No	77128	STYRENE WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	77133	1,4-DIMETHYLBENZENE(P-XYLENE) WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	77134	1,3-DIMETHYLBENZENE(M-XYLENE) WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	77135	O-XYLENE WHOLE WATER,UG/L	10/07/87-10/07/87	0	1	
CUVA0203	No	77135	O-XYLENE WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	77168	1,1-DICHLOROPROPENE WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	77170	2,2-DICHLOROPROPANE WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	77173	1,3-DICHLOROPROPANE WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	77223	ISOPROPYLBENZENE WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	77224	N-PROPYLBENZENE WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	77275	1-METHYL-2-CHLOROBENZENE (O-CHLOR*WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	77277	1-METHYL-4-CHLOROBENZENE (P-CHLOR*WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	77297	CHLOROBROMOMETHANE WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	77342	N-BUTYLBENZENE WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	77350	SEC-BUTYLBENZENE WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	77353	TERT-BUTYLBENZENE WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	77356	1-METHYL-4-ISOPROPYLBENZENE WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	77443	1,2,3-TRICHLOROPROPANE WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	77562	1,1,1,2-TETRACHLOROETHANE WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	77596	METHYLENE BROMIDE WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0203	No	77613	1,2,3-TRICHLOROBENZENE WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0038	No	77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	10/07/87-10/07/87	0	1	
CUVA0203	No	77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	07/13/88-07/13/88	0	1	
CUVA0202	No	77825	ALACHLOR WHOLE WATER,UG/L	11/02/87-09/15/90	2	60	
CUVA0204	No	77825	ALACHLOR WHOLE WATER,UG/L	12/07/81-08/31/87	5	106	
CUVA0204	No	77969	CHLOROPYRIFOS IN WATER UG/L	12/07/81-08/09/82	0	16	
CUVA0007	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/11/91-09/18/91	0	6	
CUVA0040	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/11/91-09/18/91	0	6	
CUVA0051	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/11/91-09/18/91	0	6	
CUVA0052	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/11/91-09/24/91	0	6	
CUVA0057	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/11/91-09/24/91	0	6	
CUVA0069	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/21/84-09/24/91	7	9	
CUVA0071	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	5	
CUVA0072	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/15/90-08/15/90	0	1	
CUVA0073	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/24/91-09/24/91	0	1	
CUVA0074	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/15/90-09/24/91	1	2	
CUVA0075	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/15/90-09/24/91	1	2	
CUVA0077	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/15/90-09/24/91	1	2	
CUVA0080	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/16/90-09/24/91	1	2	
CUVA0081	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/15/90-09/24/91	1	2	
CUVA0083	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/21/84-09/24/91	7	7	
CUVA0086	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	3	
CUVA0088	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	5	
CUVA0089	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/11/91-09/24/91	0	6	
CUVA0091	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/19/84-09/19/84	0	1	
CUVA0097	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	2	
CUVA0100	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/14/84-09/19/84	0	4	
CUVA0101	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/19/84-09/19/84	0	1	
CUVA0102	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	3	
CUVA0104	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	3	
CUVA0108	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/02/84-09/13/84	0	4	
CUVA0110	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	3	
CUVA0111	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	3	
CUVA0117	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	3	
CUVA0119	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	3	
CUVA0121	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	5	
CUVA0123	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	3	
CUVA0124	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	3	
CUVA0126	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/25/84-09/05/84	0	5	
CUVA0127	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/25/84-07/25/84	0	1	
CUVA0128	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/11/91-09/24/91	0	6	
CUVA0131	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	3	
CUVA0133	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/24/84-07/24/84	0	1	

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Station/Parameter Period of Record Tabulation
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Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0134	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	3	
CUVA0135	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/08/89-08/09/89	0	2	
CUVA0137	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/25/84-09/05/84	0	4	
CUVA0139	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/08/84-09/05/84	0	3	
CUVA0140	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/14/82	0	1	
CUVA0145	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/24/84-09/05/84	0	5	
CUVA0146	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	4	
CUVA0149	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	5	
CUVA0152	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	3	
CUVA0154	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	3	
CUVA0158	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	3	
CUVA0160	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	3	
CUVA0161	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	5	
CUVA0162	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/02/84-09/26/84	0	5	
CUVA0165	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/31/91-07/31/91	0	1	
CUVA0167	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	3	
CUVA0179	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/30/91-07/31/91	0	2	
CUVA0187	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/02/84-09/24/91	7	11	
CUVA0189	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/30/91-08/01/91	0	2	
CUVA0192	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	3	
CUVA0202	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	0	5	
CUVA0203	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	05/31/90-05/20/93	2	19	
CUVA0212	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	05/31/90-08/22/90	0	8	
CUVA0214	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	05/31/90-09/25/90	0	12	
CUVA0215	Yes	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/23/84-09/26/84	0	5	
CUVA0217	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/24/91-09/24/91	0	3	
CUVA0219	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/27/90-09/26/90	0	4	
CUVA0221	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/21/90-09/26/90	0	5	
CUVA0222	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/28/90-09/26/90	0	4	
CUVA0224	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/23/84-09/24/91	7	23	
CUVA0226	No	80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	05/31/90-09/24/91	1	12	
CUVA0072	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/15/90-08/15/90	0	1	
CUVA0073	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	09/24/91-09/24/91	0	1	
CUVA0074	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/15/90-09/24/91	1	2	
CUVA0075	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/15/90-09/24/91	1	2	
CUVA0077	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/15/90-09/24/91	1	2	
CUVA0080	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/16/90-09/24/91	1	2	
CUVA0081	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/15/90-09/24/91	1	2	
CUVA0091	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	09/19/84-09/19/84	0	1	
CUVA0100	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/14/84-09/19/84	0	4	
CUVA0101	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	09/19/84-09/19/84	0	1	
CUVA0108	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/02/84-09/13/84	0	4	
CUVA0126	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/25/84-09/05/84	0	5	
CUVA0127	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/25/84-07/25/84	0	1	
CUVA0133	Yes	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/24/84-07/24/84	0	1	
CUVA0135	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/08/89-07/31/91	1	4	
CUVA0137	Yes	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/25/84-09/05/84	0	4	
CUVA0139	Yes	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/08/84-09/05/84	0	3	
CUVA0145	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/24/84-09/05/84	0	5	
CUVA0162	Yes	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/02/84-09/26/84	0	5	
CUVA0165	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/30/91-07/31/91	0	2	
CUVA0179	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/31/91-07/31/91	0	1	
CUVA0187	Yes	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/02/84-09/26/84	0	5	
CUVA0189	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/30/91-08/01/91	0	2	
CUVA0191	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/30/91-07/31/91	0	2	
CUVA0194	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/30/91-07/31/91	0	2	
CUVA0203	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	05/31/90-09/25/90	0	12	
CUVA0212	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	05/31/90-08/22/90	0	8	
CUVA0214	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	05/31/90-09/25/90	0	12	
CUVA0215	Yes	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/23/84-09/26/84	0	5	
CUVA0219	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/27/90-09/26/90	0	4	
CUVA0221	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/21/90-09/26/90	0	5	
CUVA0222	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/28/90-09/26/90	0	4	
CUVA0224	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/23/84-09/25/90	6	17	
CUVA0226	No	80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	05/31/90-09/25/90	0	6	
CUVA0034	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/09/80-03/09/80	0	1	
CUVA0049	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/08/80-03/08/80	0	1	
CUVA0063	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/13/72-09/14/79	7	21	
CUVA0192	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/14/72-09/14/79	7	26	
CUVA0202	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	37	177	T,S
CUVA0034	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	03/09/80-03/09/80	0	1	
CUVA0049	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	03/08/80-03/08/80	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0063	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	03/13/72-09/14/79	7	21	
CUVA0192	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	03/14/72-09/14/79	7	26	
CUVA0202	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	25	129	T,S
CUVA0063	No	80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	06/28/72-09/10/74	2	8	
CUVA0192	No	80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	06/28/72-06/28/72	0	2	
CUVA0202	No	80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	08/11/70-08/11/70	0	1	
CUVA0063	No	80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	06/28/72-09/10/74	2	8	
CUVA0192	No	80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	06/28/72-06/28/72	0	2	
CUVA0202	No	80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	08/11/70-08/11/70	0	1	
CUVA0063	No	80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	06/28/72-09/10/74	2	8	
CUVA0192	No	80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	06/28/72-06/28/72	0	2	
CUVA0202	No	80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	08/11/70-08/11/70	0	1	
CUVA0063	No	80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	06/28/72-09/10/74	2	8	
CUVA0192	No	80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	06/28/72-06/28/72	0	2	
CUVA0202	No	80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	08/11/70-08/11/70	0	1	
CUVA0063	No	80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	06/28/72-09/10/74	2	8	
CUVA0192	No	80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	06/28/72-07/02/74	2	3	
CUVA0202	No	80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	08/11/70-08/11/70	0	1	
CUVA0063	No	80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	06/28/72-09/10/74	2	8	
CUVA0192	No	80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	06/28/72-07/02/74	2	3	
CUVA0202	No	80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	08/11/70-08/11/70	0	1	
CUVA0063	No	80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	06/28/72-09/10/74	2	8	
CUVA0192	No	80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	06/28/72-07/02/74	2	3	
CUVA0202	No	80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	08/11/70-08/11/70	0	1	
CUVA0063	No	80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	06/28/72-09/10/74	2	8	
CUVA0192	No	80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	06/28/72-07/02/74	2	3	
CUVA0202	No	80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	08/11/70-08/11/70	0	1	
CUVA0063	No	80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	06/28/72-09/10/74	2	8	
CUVA0192	No	80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	06/28/72-09/25/74	2	5	
CUVA0202	No	80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	08/11/70-08/11/70	0	1	
CUVA0063	No	80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	06/28/72-09/10/74	2	6	
CUVA0192	No	80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	06/28/72-09/25/74	2	5	
CUVA0202	No	80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	08/11/70-08/11/70	0	1	
CUVA0063	No	80174	BED MATERIAL SIEVE DIAMETER,% FINER THAN 64.0MM	09/10/74-09/10/74	0	2	
CUVA0192	No	80174	BED MATERIAL SIEVE DIAMETER,% FINER THAN 64.0MM	06/28/72-09/25/74	2	4	
CUVA0157	No	81280	NONPURGEABLE ORGANIC CARBON MG/L	03/05/75-03/05/75	0	1	
CUVA0204	No	81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	5	36	
CUVA0204	No	81294	DYFONATE(CU/H15OPS2) WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	5	104	
CUVA0203	No	81343	TRICHLOROPENTENE WHOLE WATER SAMPLE UG/L	01/10/79-01/10/79	0	1	
CUVA0203	No	81346	DIETHYLHEXYLPHTHALATE ISOMRWHOLE WATER SAMPLE UG/L	11/16/78-02/17/81	2	6	
CUVA0204	No	81405	CARBOFURAN (EURADAN) WHOLE WATER SAMPLE UG/L	04/11/83-08/31/87	4	91	
CUVA0204	No	81408	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	12/07/81-08/31/87	5	107	
CUVA0204	No	81410	BUTYLATE (SUTAN),WHOLE WATER SAMPLE,UG/L	12/07/81-07/19/82	0	15	
CUVA0203	No	81523	DIBUTYL NONANEDIOATE WHL WATER SMPL UG/L	11/16/78-02/17/81	2	14	
CUVA0203	No	81555	BROMOBENZENE WHL WATER SMPL UG/L	07/13/88-07/13/88	0	1	
CUVA0204	No	81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	5	104	
CUVA0204	No	81758	ETHOPROP IN THE WHOLE WATER SAMPLE UG/L	12/07/81-08/02/82	0	17	
CUVA0202	No	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	10/28/81-05/04/82	0	2	
CUVA0204	No	81894	EPTC (EPTAM) IN WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	5	39	
CUVA0202	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	02/10/81-08/12/81	0	5	
CUVA0085	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/26/86-09/20/94	8	44	
CUVA0087	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/20/94	7	42	
CUVA0090	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/03/90-10/03/94	4	266	
CUVA0095	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/26/86-09/20/94	8	44	
CUVA0103	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/01/84-09/20/94	9	44	
CUVA0105	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/01/84-09/20/94	9	45	
CUVA0107	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/09/93	6	37	
CUVA0109	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/01/84-09/20/94	9	46	
CUVA0112	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/06/84-09/20/94	9	44	
CUVA0113	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/06/84-09/19/94	9	43	
CUVA0114	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/06/84-09/19/94	9	42	
CUVA0116	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/05/94-09/20/94	0	2	
CUVA0118	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/30/93	6	36	
CUVA0120	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/93-01/05/94	0	20	
CUVA0125	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/06/84-09/19/94	9	45	
CUVA0129	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/03/90-09/22/91	1	218	
CUVA0130	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/18/87-10/03/94	7	44	
CUVA0132	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/16/85-07/19/94	9	43	
CUVA0138	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/02/86-10/03/94	8	47	
CUVA0147	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/19/94	7	42	
CUVA0151	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/16/85-09/19/94	9	44	
CUVA0153	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-10/03/94	7	70	

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

Station/Parameter Period of Record Tabulation
From 01/22/57 To 12/15/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
CUVA0159	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/02/86-10/03/94	8	47	
CUVA0163	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/19/94	7	42	
CUVA0164	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/02/86-10/03/94	8	47	
CUVA0199	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/03/90-09/22/91	1	220	
CUVA0204	No	82088	TERBUFOS (COUNTER) TOTAL WHOLE WATER,UG/L	12/07/81-08/31/87	5	108	
CUVA0071	No	82133	DEOXYGENATION CONST,CARB.,K1 TO BASE E,20C,PER DAY	09/14/82-09/15/82	0	5	
CUVA0086	Yes	82133	DEOXYGENATION CONST,CARB.,K1 TO BASE E,20C,PER DAY	09/14/82-09/15/82	0	3	
CUVA0088	Yes	82133	DEOXYGENATION CONST,CARB.,K1 TO BASE E,20C,PER DAY	09/14/82-09/15/82	0	5	
CUVA0121	No	82133	DEOXYGENATION CONST,CARB.,K1 TO BASE E,20C,PER DAY	09/14/82-09/15/82	0	5	
CUVA0146	Yes	82133	DEOXYGENATION CONST,CARB.,K1 TO BASE E,20C,PER DAY	09/14/82-09/15/82	0	4	
CUVA0149	Yes	82133	DEOXYGENATION CONST,CARB.,K1 TO BASE E,20C,PER DAY	09/14/82-09/15/82	0	5	
CUVA0161	Yes	82133	DEOXYGENATION CONST,CARB.,K1 TO BASE E,20C,PER DAY	09/14/82-09/15/82	0	5	
CUVA0202	No	82133	DEOXYGENATION CONST,CARB.,K1 TO BASE E,20C,PER DAY	09/14/82-09/15/82	0	5	
CUVA0202	No	82183	2,4-DP (DICHLORPROP) TOTAL UG/L	03/02/82-05/04/82	0	2	
CUVA0204	No	82410	PENOXALIN IN WHOLE WATER(PROWL) TOTAL UG/L	12/07/81-08/31/87	5	106	
CUVA0085	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	03/26/86-07/20/94	8	43	
CUVA0087	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/20/94	7	42	
CUVA0090	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/02/90-10/03/94	4	213	
CUVA0095	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	03/26/86-09/20/94	8	44	
CUVA0103	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/01/84-09/20/94	9	46	
CUVA0105	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/01/84-09/20/94	9	46	
CUVA0107	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/09/93	6	37	
CUVA0109	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/01/84-09/20/94	9	46	
CUVA0112	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/84-09/20/94	9	46	
CUVA0113	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/84-09/19/94	9	45	
CUVA0114	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/84-09/19/94	9	43	
CUVA0116	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/05/94-09/20/94	0	3	
CUVA0118	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/30/93	6	36	
CUVA0120	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/02/90-04/02/90	0	1	
CUVA0125	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/84-09/19/94	9	45	
CUVA0129	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/03/90-09/22/91	1	165	
CUVA0130	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-10/03/94	7	45	
CUVA0132	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/16/85-07/19/94	9	43	
CUVA0138	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/02/86-10/03/94	8	47	
CUVA0147	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/19/94	7	42	
CUVA0151	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/16/85-09/09/93	8	41	
CUVA0153	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-10/03/94	7	50	
CUVA0159	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/02/86-10/03/94	8	47	
CUVA0163	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/19/94	7	42	
CUVA0164	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/02/86-10/03/94	8	47	
CUVA0199	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/02/90-09/22/91	1	172	

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

Station-By-Station Results

Station Inventory for Station: CUVA0001

NPS Station ID: CUVA0001
LAT/LON: 41.045559/ -81.544170
Agency: 21OHIO
Date Created: 08/09/80
Location: SUMMIT LAKE IN AKRON - KENMORE RD.
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): R06P13
RMI-Indexes: 1021500 007720 17470 3500 2210 0100
Within Park Boundary: No
RMI-Miles: 0953.80 0809.19 111.13 110.69 000.10 006.79
HUC: 05040001
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: MUSKINGUMRIVER
ECO Region:
RF1 Index: 05040001
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001003002.95
RF3 Mile Point: 2.96
Distance from RF3: 0.01
On/Off RF3:
Description:
PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS LOCATION-SUMMIT COUNTY SUMMIT LAKE (OHIO CANAL) AT KENMORE RD IN AKRON
RMI=809.19/111.13/110.69/0.10/6.79 COLLECTION-OHIO EPA NORTHEAST DISTRICT OFFICE
WATER USE DESIGNATION AS OF 12/24/79-WWH

Parameter Inventory for Station: CUVA0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/18/78-10/18/78	1	15.3	15.3	15.3	15.3	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/18/78-10/18/78	1	730.	730.	730.	730.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/18/78-10/18/78	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	10/18/78-10/18/78	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/18/78-10/18/78	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/18/78-10/18/78	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/18/78-10/18/78	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/18/78-10/18/78	1	550.	550.	550.	550.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/18/78-10/18/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/18/78-10/18/78	1	0.46	0.46	0.46	0.46	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/18/78-10/18/78	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/18/78-10/18/78	1	0.96	0.96	0.96	0.96	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/18/78-10/18/78	1	0.28	0.28	0.28	0.28	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/18/78-10/18/78	1	0.21	0.21	0.21	0.21	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	10/18/78-10/18/78	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/18/78-10/18/78	1	236.	236.	236.	236.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/18/78-10/18/78	1	157.	157.	157.	157.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/18/78-10/18/78	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	10/18/78-10/18/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/18/78-10/18/78	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/18/78-10/18/78	1	730.	730.	730.	730.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/18/78-10/18/78	1	52.	52.	52.	52.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/18/78-10/18/78	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/18/78-10/18/78	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	10/18/78-10/18/78	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	10/18/78-10/18/78	1	17.	17.	17.	17.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/18/78-10/18/78	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0001

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	1	1.00	1	1	1.00									
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									
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	1	1.00	1	1	1.00									
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									
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: CUVA0002

NPS Station ID: CUVA0002 | LAT/LON: 41.048059/ -81.543893 | Agency: 21OHIO | Date Created: 11/08/86
Location: OHIO CANAL AT AKRON - KENMORE BLVD. (RM 3.60) | FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): F01A03
RMI-Indexes: 0603002 000940 00060 | Within Park Boundary: No
RMI-Miles: 0042.27 0002.04 003.60
HUC: 04110002 | Depth of Water: 0 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER | ECO Region:
RF1 Index: 04110002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 04110002000200.00 | RF3 Mile Point: 1.55 | Distance from RF3: 0.09 | On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED AT THE KENMORE BLVD. BRIDGE, ON THE SOUTHERN TIP OF SUMMIT LAKE.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/86-09/18/86	5	26.5	25.2	28.	18.	17.325	4.162	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/22/86-09/18/86	4	990.	936.75	1417.	350.	217595.583	466.471	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/22/86-09/18/86	5	1040.	993.6	1370.	368.	141054.8	375.573	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/86-09/18/86	5	3.5	3.86	6.3	2.8	2.033	1.426	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/22/86-09/18/86	4	24.	22.5	32.	10.	89.667	9.469	**	**	**	**
00400	PH (STANDARD UNITS)	07/22/86-09/18/86	5	7.4	7.42	7.7	7.1	0.077	0.277	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/22/86-09/18/86	5	7.4	7.352	7.7	7.1	0.083	0.288	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/86-09/18/86	5	0.04	0.044	0.079	0.02	0.001	0.026	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/22/86-07/22/86	1	656.	656.	656.	656.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/12/86-09/18/86	4	9.	17.5	44.	8.	312.333	17.673	**	**	**	**
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	08/12/86-08/12/86	1	1.18	1.18	1.18	1.18	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/86-09/18/86	5	0.6	0.556	0.66	0.32	0.018	0.135	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/18/86	5	0.02	0.022	0.04	0.01	0.	0.011	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/86-09/18/86	5	1.2	1.2	1.3	1.1	0.01	0.1	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/22/86-09/18/86	5	0.14	0.144	0.32	0.05	0.012	0.111	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/22/86-09/18/86	5	0.05	0.087	0.22	0.025	0.006	0.078	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/86-09/18/86	5	289.	255.	323.	94.	8451.5	91.932	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/22/86-09/18/86	5	84.	76.2	95.9	29.2	718.675	26.808	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/22/86-09/18/86	5	18.	15.7	20.4	5.	38.71	6.222	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/22/86-09/18/86	5	103.	107.8	185.	39.	2712.7	52.084	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/12/86-08/21/86	2	4.15	4.15	4.2	4.1	0.005	0.071	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/22/86-09/18/86	5	192.	187.	295.	67.	6648.5	81.538	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/12/86-08/21/86	2	6.5	6.5	7.	6.	0.5	0.707	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/21/86-08/21/86	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/22/86-09/18/86	5 ##	0.1	0.14	0.3	0.1	0.008	0.089	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/12/86-08/21/86	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/22/86-09/18/86	5	4.	5.	12.	2.	17.	4.123	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/22/86-09/18/86	5	1490.	1860.	3850.	1190.	1255900.	1120.669	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/22/86-09/18/86	5	5.	9.8	32.	2.	156.2	12.498	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/86-08/21/86	2	145.	145.	220.	70.	11250.	106.066	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/22/86-09/18/86	5 ##	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: CUVA0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01082	STRONTIUM, TOTAL (UG/L AS SR)	08/12/86-08/21/86	2	395.	395.	400.	390.	50.	7.071	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/22/86-09/18/86	5	25.	36.	100.	5.	1405.	37.483	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/86-08/21/86	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/22/86-09/18/86	5 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/22/86-09/18/86	5	610.	603.6	868.	250.	50526.8	224.782	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0002

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	4	0.80	5	4	0.80									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	5	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	5	0	0.00									
		Drinking Water	250.	5	1	0.20	5	1	0.20									
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	1	0.20	5	1	0.20									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	5	0	0.00	5	0	0.00									
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: CUVA0003

NPS Station ID: CUVA0003 LAT/LON: 41.050837/ -81.391948 Agency: 21OHIO Date Created: 11/08/86
Location: WINGFOOT LAKE OUTLET AT MOGADORE RD. (RM 0.53) FIPS State/County: 39133 OHIO/PORTAGE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S95
RMI-Indexes: 0603002 000940 00300 Within Park Boundary: No
RMI-Miles: 0042.27 0011.00 000.53
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002003 RF1 Mile Point: 0.600 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002000500.00 RF3 Mile Point: 0.27 Distance from RF3: 0.01 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - PORTAGE CO.; LOCATED AT THE MOGADORE RD. BRIDGE, UPSTREAM FROM SHELL OIL CO.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/16/86	5	12.	11.4	15.	6.	15.3	3.912	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/16/86	5	462.	451.8	464.	435.	222.2	14.906	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/16/86	5	9.4	9.96	12.2	8.8	1.783	1.335	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/16/86	5 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/09/86-09/16/86	5	8.	8.	8.1	7.9	0.005	0.071	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/09/86-09/16/86	5	8.	7.995	8.1	7.9	0.005	0.071	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/86-09/16/86	5	0.01	0.01	0.013	0.008	0.	0.002	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/16/86	5	5.	5.2	10.	2.5	9.575	3.094	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/16/86	5 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/16/86	4 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/86-09/16/86	4	0.2	0.225	0.3	0.2	0.002	0.05	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/16/86	5	0.54	0.562	0.62	0.54	0.001	0.035	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/16/86	5 ##	0.025	0.04	0.1	0.025	0.001	0.034	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/16/86	5	313.	314.2	329.	299.	121.2	11.009	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/16/86	5	91.	90.14	92.9	85.1	8.753	2.959	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/16/86	5	21.2	21.68	23.5	20.4	1.657	1.287	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-07/22/86	2 ##	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/16/86	5 ##	0.1	0.14	0.2	0.1	0.003	0.055	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/16/86-09/16/86	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/16/86	5	1.	2.58	5.	0.9	4.882	2.21	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/16/86	5	290.	334.	650.	190.	33480.	182.975	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/16/86	5 ##	1.	4.2	12.	1.	23.7	4.868	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/16/86	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/16/86	5	10.	12.	20.	5.	32.5	5.701	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	4 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/16/86	5	452.	450.6	475.	428.	422.8	20.562	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0003

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	0	0.00	5	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	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: CUVA0004

NPS Station ID: CUVA0004 LAT/LON: 41.052781/ -81.545281 Agency: 21OHIO Date Created: 11/15/86
Location: SUMMIT LAKE AT AKRON - MIDDLE OF SOUTH BASIN FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): F01A14
RMI-Indexes: 0603002 000940 00060 Within Park Boundary: No
RMI-Miles: 0042.27 0002.04 003.30
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 05040001012400.00 RF3 Mile Point: 1.99 Distance from RF3: 0.05 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED IN THE CENTER OF THE SOUTHERN PORTION OF THE LAKE, SOUTHWEST OF THE BOAT DOCKS.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/24/86-11/04/86	8	12.25	16.625	26.	10.	50.911	7.135	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/24/86-11/04/86	8	732.	812.375	1090.	560.	51034.839	225.909	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/24/86-11/04/86	8	1015.	1040.125	1190.	961.	5405.839	73.524	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/24/86-11/04/86	8	4.9	4.988	9.8	0.1	10.456	3.234	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	04/24/86-11/04/86	4	9.95	33.075	110.	2.4	2675.783	51.728	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	08/14/86-08/14/86	2 ##	935.	935.	1860.	10.	1711250.	1308.148	**	**	**	**
00400	PH (STANDARD UNITS)	04/24/86-11/04/86	8	7.5	7.425	7.6	6.9	0.056	0.238	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/24/86-11/04/86	8	7.5	7.354	7.6	6.9	0.062	0.25	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/24/86-11/04/86	8	0.032	0.044	0.126	0.025	0.001	0.034	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/04/86-11/04/86	1	141.	141.	141.	141.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/14/86-08/14/86	2	1242.5	1242.5	2480.	5.	3062812.5	1750.089	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/24/86-11/04/86	8	0.17	0.769	4.63	0.025	2.484	1.576	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/24/86-11/04/86	8 ##	0.015	0.08	0.32	0.01	0.016	0.125	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/24/86-11/04/86	8	0.85	23.35	180.	0.7	4006.483	63.297	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/24/86-11/04/86	8 ##	0.105	0.201	0.5	0.05	0.036	0.191	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/24/86-11/04/86	8	0.065	1.596	11.7	0.025	16.729	4.09	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/24/86-11/04/86	8	273.5	341.	757.	261.	28791.714	169.681	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/24/86-11/04/86	8	80.45	102.338	237.	75.2	3026.594	55.014	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/24/86-11/04/86	8	19.05	20.95	40.1	16.4	61.626	7.85	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	04/24/86-11/04/86	7	99.	95.714	113.	69.	234.571	15.316	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/24/86-11/04/86	8	178.5	178.75	220.	140.	739.643	27.196	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/24/86-11/04/86	6	79.	85.333	137.	62.	691.467	26.296	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/14/86-11/04/86	4	19.5	53.75	172.	4.	6408.25	80.052	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/24/86-11/04/86	8 ##	0.1	1.238	8.	0.1	7.566	2.751	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/14/86-11/04/86	4 ##	152.5	152.5	290.	15.	25208.333	158.771	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/24/86-11/04/86	8	5.	42.875	278.	1.	9190.982	95.87	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/24/86-11/04/86	8	320.	21075.	146000.	250.	2598837657.143	50978.796	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/24/86-11/04/86	8 ##	1.5	153.	1080.	1.	142519.429	377.517	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/24/86-11/04/86	4	395.	522.5	1150.	150.	192091.667	438.283	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/24/86-11/04/86	8 ##	20.	35.	140.	20.	1800.	42.426	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	07/30/86-11/04/86	5	420.	460.	710.	360.	20650.	143.701	**	**	**	**

** - Less than 9 observations ## - 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: CUVA0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092	ZINC, TOTAL (UG/L AS ZN)	04/24/86-11/04/86	8	17.5	405.75	2790.	5.	943644.5	971.414	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/30/86-07/30/86	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/24/86-11/04/86	8	599.	604.5	694.	540.	2566.571	50.661	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0004

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/31---------- Obs	Exceed	Prop.	----------11/01-3/14---------- Obs	Exceed	Prop.	----------3/15-6/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	8	4	0.50	4	2	0.50	2	1	0.50	2	1	0.50			
00400	PH	Other-Hi Lim.	9.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	250.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	4	0	0.00	2	0	0.00	2	0	0.00						
		Drinking Water	50.	4	1	0.25	2	1	0.50	2	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8	1	0.13	4	1	0.25	2	0	0.00	2	0	0.00			
		Drinking Water	5.	8	1	0.13	4	1	0.25	2	0	0.00	2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	2	0.50	2	2	1.00	2	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	8	2	0.25	4	1	0.25	2	1	0.50	2	0	0.00			
		Drinking Water	1300.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	8	2	0.25	4	1	0.25	2	1	0.50	2	0	0.00			
		Drinking Water	15.	8	2	0.25	4	1	0.25	2	1	0.50	2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	100.	8	1	0.13	4	1	0.25	2	0	0.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	8	2	0.25	4	1	0.25	2	1	0.50	2	0	0.00			
		Drinking Water	5000.	8	0	0.00	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: CUVA0005

NPS Station ID: CUVA0005 LAT/LON: 41.053892/ -81.463059 Agency: 21OHIO Date Created: 11/08/86
Location: SPRINGFIELD LAKE OUTLET AT MASSILLON RD (RM 0.5) FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S93
RMI-Indexes: 0603002 000940 00200 Within Park Boundary: No
RMI-Miles: 0042.27 0007.09 000.50
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 10.00 On/Off RF1:
RF3 Index: 04110002042400.00 RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED AT THE MASSILLON RD. BRIDGE, UPSTREAM FROM THE U.S.G.S. GAGE.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/17/86	5	20.	17.4	22.	11.	29.8	5.459	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/17/86	4	847.	751.5	990.	322.	90483.667	300.805	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/17/86	5	6.8	6.36	8.5	3.5	3.853	1.963	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/17/86	5	20.	20.4	39.	10.	142.3	11.929	**	**	**	**
00400	PH (STANDARD UNITS)	07/09/86-08/21/86	4	7.95	7.95	8.	7.9	0.003	0.058	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/09/86-08/21/86	4	7.947	7.947	8.	7.9	0.003	0.058	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/86-08/21/86	4	0.011	0.011	0.013	0.01	0.	0.001	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/17/86-09/17/86	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/17/86-09/17/86	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/17/86-09/17/86	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/17/86	5 ##	2.5	4.2	11.	2.5	14.45	3.801	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/17/86	5	0.06	0.072	0.14	0.025	0.003	0.052	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/17/86	4 ##	0.02	0.028	0.06	0.01	0.001	0.024	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/17/86	5	0.5	0.44	0.5	0.3	0.008	0.089	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/17/86	5	1.04	1.086	1.6	0.46	0.187	0.432	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/17/86	5 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/17/86	5	291.	259.4	330.	119.	7426.3	86.176	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/17/86	5	75.1	69.56	83.	36.1	375.178	19.37	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/17/86	5	25.1	20.84	30.2	7.	93.863	9.688	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/17/86	5 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/17/86	5 ##	0.1	0.14	0.3	0.1	0.008	0.089	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/17/86	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/17/86	5	3.	3.2	5.	1.	3.2	1.789	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/17/86	5	120.	140.	250.	100.	3850.	62.048	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/17/86	5 ##	1.	2.6	6.	1.	5.3	2.302	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/17/86	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/17/86	5	20.	34.	120.	5.	2367.5	48.657	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	4 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/17/86	5	666.	570.4	764.	246.	48200.8	219.547	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: CUVA0005

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	1	0.20	5	1	0.20									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	5	0	0.00									
		Drinking Water	50.	5	0	0.00	5	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	0	0.00	5	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	1	0.20	5	1	0.20									
		Drinking Water	5000.	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: CUVA0006

NPS Station ID: CUVA0006 LAT/LON: 41.054726/ -81.398616 Agency: 21OHIO Date Created: 11/08/86
Location: WINGFOOT LAKE OUTLET AT MOUTH - UNNAMED RD. FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S94
RMI-Indexes: 0603002 000940 00300 Within Park Boundary: No
RMI-Miles: 0042.27 0011.00 000.05
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002002 RF1 Mile Point: 8.270 Distance from RF1: 13.70 On/Off RF1: OFF
RF3 Index: 04110002042400.39 RF3 Mile Point: 0.48 Distance from RF3: 0.01 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED AT AN UNNAMED ROAD BRIDGE JUST UPSTREAM FROM THE CONFLUENCE WITH THE LITTLE CUYAHOGA RIVER.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0006

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/16/86	5	15.	13.1	16.5	7.	14.3	3.782	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/16/86	5	447.	451.8	484.	407.	975.7	31.236	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/16/86	5	9.3	9.48	12.2	8.2	2.617	1.618	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/16/86	5 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/09/86-09/16/86	5	8.	8.	8.2	7.8	0.025	0.158	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/09/86-09/16/86	5	8.	7.977	8.2	7.8	0.026	0.16	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/86-09/16/86	5	0.01	0.011	0.016	0.006	0.	0.004	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/16/86	5 ##	2.5	4.9	11.	2.5	13.925	3.732	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/16/86	5 ##	0.025	0.047	0.1	0.025	0.001	0.033	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/16/86	4 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/16/86	5	0.3	0.24	0.3	0.1	0.008	0.089	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/16/86	5	0.64	0.622	0.65	0.58	0.001	0.034	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/16/86	5 ##	0.025	0.028	0.04	0.025	0.	0.007	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/16/86	5	310.	310.4	322.	298.	80.3	8.961	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/16/86	5	89.1	89.64	94.4	85.8	9.723	3.118	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/16/86	5	20.7	21.02	22.4	20.4	0.627	0.792	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-08/21/86	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/16/86	5 ##	0.1	0.14	0.3	0.1	0.008	0.089	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/16/86	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/16/86	5	1.	2.5	5.	0.6	5.23	2.287	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/16/86	5	300.	334.	710.	120.	50380.	224.455	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/16/86	5	2.	2.2	4.	1.	1.2	1.095	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/16/86	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/16/86	5	15.	12.	15.	5.	20.	4.472	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/22/86-08/21/86	3	260.	223.333	300.	110.	10033.333	100.167	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/22/86-08/21/86	3	2.415	2.311	2.477	2.041	0.056	0.236	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			204.721								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	4 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/16/86	5	448.	443.6	462.	424.	258.8	16.087	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0006

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	4	0	0.00	4	0	0.00									
		Drinking Water	50.	4	0	0.00	4	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	0	0.00	5	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	5	0	0.00	5	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	2	0.67	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: CUVA0007

NPS Station ID: CUVA0007 LAT/LON: 41.054726/ -81.400282 Agency: 21OHIO Date Created: 11/08/86
Location: L. CUYAHOGA R. NR MOGADORE - GILCHRIST RD. FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S87
RMI-Indexes: 0603002 000940 Within Park Boundary: No
RMI-Miles: 0042.27 0010.95
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002002 RF1 Mile Point: 8.270 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002000206.55 RF3 Mile Point: 7.04 Distance from RF3: 0.00 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED AT THE GILCHRIST RD. BRIDGE, JUST NORTH OF MOGADORE; DOWNSTREAM FROM THE CONFLUENCE OF WINGFOOT LAKE OUTLET
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/18/91	11	18.	18.045	24.	9.	18.673	4.321	9.8	16.5	22.	23.7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/18/91	11	462.	455.364	550.	354.	4544.455	67.413	357.	380.	500.	546.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/18/91	11	7.2	7.055	9.8	4.2	2.757	1.66	4.22	6.3	8.	9.52
00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/18/91	11	13.	15.091	28.	5.	76.691	8.757	5.	5.	23.	27.4
00400	PH (STANDARD UNITS)	07/09/86-09/18/91	11	8.	7.927	8.3	7.4	0.07	0.265	7.44	7.7	8.1	8.28
00400	CONVERTED PH (STANDARD UNITS)	07/09/86-09/18/91	11	8.	7.846	8.3	7.4	0.077	0.278	7.44	7.7	8.1	8.28
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/86-09/18/91	11	0.01	0.014	0.04	0.005	0.	0.01	0.005	0.008	0.02	0.037
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/18/91	10	7.5	9.35	25.	2.5	54.503	7.383	2.5	2.5	14.	24.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/18/91	11 ##	0.025	0.062	0.19	0.025	0.003	0.054	0.025	0.025	0.11	0.174
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/18/91	10 ##	0.01	0.015	0.03	0.01	0.	0.007	0.01	0.01	0.02	0.029
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/18/91	11	0.4	0.482	0.9	0.3	0.044	0.209	0.3	0.3	0.6	0.88
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/18/91	11	0.41	0.381	0.59	0.2	0.013	0.115	0.206	0.31	0.46	0.566
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/18/91	11	0.06	0.088	0.38	0.025	0.011	0.105	0.025	0.025	0.09	0.336
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/11/91-09/18/91	6 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/18/91	11	228.	232.727	285.	167.	1341.818	36.631	168.8	226.	266.	281.8
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/18/91	11	65.	65.6	83.	44.3	140.374	11.848	44.72	64.	75.5	81.76
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/18/91	11	16.	16.745	19.	13.7	3.129	1.769	13.9	16.	18.7	18.96
00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/91-09/18/91	6	41.5	42.	47.	39.	7.2	2.683	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/18/91	11	2.	2.364	4.	1.	1.255	1.12	1.	1.	3.	4.
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/18/91	11 ##	0.1	0.164	0.8	0.1	0.045	0.211	0.1	0.1	0.1	0.66
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/18/91	10 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/18/91	11 ##	5.	3.836	5.	0.6	3.975	1.994	0.64	0.8	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/18/91	6	255.	270.	380.	180.	5440.	73.756	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/18/91	11 ##	1.	1.545	4.	1.	0.873	0.934	1.	1.	2.	3.6
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/18/91	11 ##	20.	20.	20.	20.	0.	0.	20.	20.	20.	20.
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/18/91	11 ##	5.	8.636	20.	5.	30.455	5.519	5.	5.	15.	19.
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-09/18/91	10 ##	7.5	7.6	11.	5.	7.6	2.757	5.	5.	10.	10.9
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/18/91	9	372.	359.778	458.	222.	5586.444	74.743	222.	307.	417.	458.
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/11/91-09/18/91	6 ##	0.8	0.883	1.5	0.5	0.194	0.44	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0007

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	11	0	0.00	11	0	0.00									
00400	PH	Other-Hi Lim.	9.	11	0	0.00	11	0	0.00									
		Other-Lo Lim.	6.5	11	0	0.00	11	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	10	0	0.00	10	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	11	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	6	0	0.00	6	0	0.00									
		Drinking Water	0.2	6	0	0.00	6	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	6	0	0.00	6	0	0.00									
		Drinking Water	250.	6	0	0.00	6	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	11	0	0.00	11	0	0.00									
		Drinking Water	50.	11	0	0.00	11	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	11	0	0.00	11	0	0.00									
		Drinking Water	5.	11	0	0.00	11	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	10	0	0.00	10	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	11	0	0.00	11	0	0.00									
		Drinking Water	1300.	11	0	0.00	11	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	11	0	0.00	11	0	0.00									
		Drinking Water	15.	11	0	0.00	11	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	11	0	0.00	11	0	0.00									
		Drinking Water	100.	11	0	0.00	11	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	11	0	0.00	11	0	0.00									
		Drinking Water	5000.	11	0	0.00	11	0	0.00									

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

Station Inventory for Station: CUVA0008

NPS Station ID: CUVA0008 LAT/LON: 41.054726/ -81.545559 Agency: 21OHIO Date Created: 11/15/86
Location: SUMMIT LAKE AT AKRON - MIDDLE OF CENTRAL BASIN FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): F01A13
RMI-Indexes: 0603002 000940 00060 Within Park Boundary: No
RMI-Miles: 0042.27 0002.04 003.10
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 05040001012400.00 RF3 Mile Point: 1.82 Distance from RF3: 0.11 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED IN THE CENTER OF THE CENTRAL PORTION OF THE LAKE, WEST OF IRA AVE.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/24/86-08/14/86	6	11.75	15.667	26.	10.	53.367	7.305	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/24/86-08/14/86	6	801.	809.167	1090.	560.	45058.967	212.271	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/24/86-11/04/86	8	995.5	1099.5	1640.	929.	57785.714	240.387	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/24/86-08/14/86	6	4.5	4.517	10.5	0.1	18.07	4.251	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	04/24/86-11/04/86	4	16.15	29.275	83.	1.8	1422.209	37.712	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	08/14/86-08/14/86	2	95.	95.	170.	20.	11250.	106.066	**	**	**	**
00400	PH (STANDARD UNITS)	04/24/86-08/14/86	6	7.55	7.633	7.9	7.5	0.031	0.175	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/24/86-08/14/86	6	7.547	7.607	7.9	7.5	0.032	0.178	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/24/86-08/14/86	6	0.028	0.025	0.032	0.013	0.	0.009	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/04/86-11/04/86	1	155.	155.	155.	155.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/14/86-08/14/86	2 ##	161.75	161.75	321.	2.5	50721.125	225.214	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/24/86-11/04/86	7	0.5	1.368	4.8	0.025	3.12	1.766	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/24/86-11/04/86	8 ##	0.01	0.071	0.26	0.01	0.012	0.111	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/24/86-11/04/86	8	1.05	2.275	8.9	0.7	7.776	2.789	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/24/86-11/04/86	8 ##	0.085	0.205	0.5	0.05	0.039	0.198	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/24/86-11/04/86	8	0.08	0.6	2.24	0.025	1.013	1.006	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/24/86-11/04/86	8	270.5	308.5	499.	244.	7255.429	85.179	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/24/86-11/04/86	8	79.4	94.525	172.	67.	1163.671	34.113	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/24/86-11/04/86	8	17.6	17.65	19.4	16.1	1.3	1.14	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	04/24/86-11/04/86	8	86.	111.	220.	82.	2269.714	47.642	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/24/86-11/04/86	8	158.	192.875	379.	139.	6520.696	80.751	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/24/86-11/04/86	6	71.	78.333	119.	59.	516.267	22.722	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/14/86-11/04/86	4	18.	34.	95.	5.	1804.	42.474	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/24/86-11/04/86	8 ##	0.1	0.45	2.	0.1	0.491	0.701	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/14/86-11/04/86	4 ##	22.5	40.	100.	15.	1650.	40.62	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/24/86-11/04/86	8	5.	26.625	160.	1.	3033.125	55.074	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/24/86-11/04/86	8	310.	11003.75	64800.	180.	524095312.5	22893.128	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/24/86-11/04/86	8 ##	1.	62.375	322.	1.	14543.696	120.597	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/24/86-11/04/86	4	1090.	1945.	5280.	320.	5339566.667	2310.75	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/24/86-11/04/86	8 ##	20.	26.25	70.	20.	312.5	17.678	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	07/30/86-11/04/86	5	380.	452.	760.	310.	31770.	178.241	**	**	**	**

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

Parameter Inventory for Station: CUVA0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092	ZINC, TOTAL (UG/L AS ZN)	04/24/86-11/04/86	8	15.	192.5	1060.	10.	140092.857	374.29	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/30/86-07/30/86	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/24/86-11/04/86	8	572.	628.5	932.	540.	18434.	135.772	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0008

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/31---------- Obs	Exceed	Prop.	----------11/01-3/14---------- Obs	Exceed	Prop.	----------3/15-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	6	3	0.50	4	2	0.50				2	1	0.50			
00400	PH	Other-Hi Lim.	9.	6	0	0.00	4	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	6	0	0.00	4	0	0.00				2	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	250.	8	1	0.13	4	0	0.00	2	1	0.50	2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	4	0	0.00	2	0	0.00	2	0	0.00						
		Drinking Water	50.	4	1	0.25	2	0	0.00	2	1	0.50						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	5.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	1	0.25	2	0	0.00	2	1	0.50						
01042	COPPER, TOTAL	Fresh Acute	18.	8	2	0.25	4	1	0.25	2	1	0.50	2	0	0.00			
		Drinking Water	1300.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	8	2	0.25	4	1	0.25	2	1	0.50	2	0	0.00			
		Drinking Water	15.	8	2	0.25	4	1	0.25	2	1	0.50	2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	100.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	8	2	0.25	4	1	0.25	2	1	0.50	2	0	0.00			
		Drinking Water	5000.	8	0	0.00	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: CUVA0009

NPS Station ID: CUVA0009 LAT/LON: 41.055838/ -81.423059 Agency: 21OHIO Date Created: 11/08/86
Location: L. CUYAHOGA R. AT AKRON - UPST NORTON CO. FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S86
RMI-Indexes: 0603002 000940 Within Park Boundary: No
RMI-Miles: 0042.27 0009.67
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002002 RF1 Mile Point: 7.120 Distance from RF1: 9.40 On/Off RF1: OFF
RF3 Index: 04110002000205.20 RF3 Mile Point: 5.26 Distance from RF3: 0.03 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED JUST UPSTREAM FROM THE NORTON CO. COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST DISTRICT OFFICE, (216) 425-9171. SAMPLES ANALYZED BY THE OHIO EPA

Parameter Inventory for Station: CUVA0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/16/86	4	18.5	17.625	23.5	10.	44.896	6.7	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/09/86-09/16/86	4	5.	11.25	32.	3.	192.917	13.889	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/16/86	5	462.	432.2	484.	360.	3692.2	60.763	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/16/86	4	7.85	8.45	12.6	5.5	10.283	3.207	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/16/86	5 ##	10.	15.4	24.	10.	54.8	7.403	**	**	**	**
00400	PH (STANDARD UNITS)	07/09/86-09/16/86	5	8.	7.94	8.1	7.6	0.043	0.207	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/09/86-09/16/86	5	8.	7.896	8.1	7.6	0.045	0.213	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/86-09/16/86	5	0.01	0.013	0.025	0.008	0.	0.007	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/16/86	5	10.	8.5	12.	2.5	13.25	3.64	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/16/86	5 ##	0.025	0.077	0.25	0.025	0.01	0.098	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/16/86	4 ##	0.01	0.013	0.02	0.01	0.	0.005	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/16/86	5	0.7	0.7	1.1	0.4	0.095	0.308	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/16/86	5	0.38	0.362	0.45	0.24	0.008	0.091	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/22/86-09/16/86	4 ##	0.025	0.031	0.05	0.025	0.	0.013	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/16/86	5	258.	228.2	273.	168.	2856.2	53.443	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/16/86	5	74.3	63.76	78.	44.7	302.983	17.406	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/16/86	5	17.6	16.74	18.9	13.6	6.023	2.454	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/16/86	5	4.	3.	5.	1.	3.5	1.871	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/16/86	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/16/86	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/16/86	5	1.	2.6	5.	1.	4.8	2.191	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/16/86	5	380.	392.	660.	210.	31470.	177.398	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/16/86	5	3.	3.2	6.	1.	5.2	2.28	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/16/86	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/16/86	5	10.	11.	20.	5.	42.5	6.519	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	4 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/16/86	5	412.	373.6	444.	280.	6868.8	82.878	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0009

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	4	0	0.00	4	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	5	0	0.00									
		Drinking Water	50.	5	0	0.00	5	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	0	0.00	5	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	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: CUVA0010

NPS Station ID: CUVA0010
LAT/LON: 41.055838/ -81.464448
Agency: 112WRD
Date Created: / /
Location: SPRINGFIELD LAKE OUTLET AT AKRON OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 04205000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002002
RF1 Mile Point: 4.490
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 04110002000205.20
RF3 Mile Point: 5.21
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/08/65-05/14/74	30	14.5	12.717	26.	0.	78.718	8.872	0.05	2.875	21.	24.8
00060	FLOW, STREAM, MEAN DAILY CFS	09/08/65-09/16/71	25	2.	8.036	65.	0.2	213.72	14.619	0.3	0.9	8.	28.
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/08/71-05/14/74	15	8.	8.693	20.	0.4	29.611	5.442	1.96	4.	12.	18.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/08/65-12/19/73	38	531.	540.5	958.	282.	13019.986	114.105	434.4	479.75	589.	704.5
00400	PH (STANDARD UNITS)	09/08/65-05/14/74	20	7.75	7.79	8.5	7.1	0.109	0.331	7.41	7.6	8.05	8.29
00400	CONVERTED PH (STANDARD UNITS)	09/08/65-05/14/74	20	7.747	7.677	8.5	7.1	0.123	0.35	7.41	7.6	8.05	8.29
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/08/65-05/14/74	20	0.018	0.021	0.079	0.003	0.	0.017	0.005	0.009	0.025	0.039
00405	CARBON DIOXIDE (MG/L AS CO2)	10/24/72-05/14/74	3	4.7	4.033	6.7	0.7	9.333	3.055	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/30/68-05/14/74	7	120.	112.571	145.	54.	897.952	29.966	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/08/65-05/14/74	9	136.	134.778	177.	66.	1015.694	31.87	66.	122.5	157.	177.
00445	CARBONATE ION (MG/L AS CO3)	09/08/65-05/14/74	9	0.	0.222	2.	0.	0.444	0.667	0.	0.	0.	2.
00500	RESIDUE, TOTAL (MG/L)	08/17/73-08/17/73	1	365.	365.	365.	365.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/17/73-05/14/74	4 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/20/72-06/19/73	7	0.77	0.724	1.1	0.4	0.072	0.268	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/17/73-05/14/74	4	0.585	0.603	0.68	0.56	0.003	0.053	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/17/73-05/14/74	4	0.585	0.603	0.68	0.56	0.003	0.053	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/24/72-08/17/73	2	0.06	0.06	0.06	0.059	0.	0.001	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/08/65-05/14/74	18	190.	184.778	240.	110.	1144.065	33.824	110.	173.	200.	231.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/08/65-05/14/74	8	74.5	75.	95.	56.	187.143	13.68	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/28/74-05/14/74	2	54.5	54.5	55.	54.	0.5	0.707	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/28/74-05/14/74	2	11.	11.	11.	11.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/08/65-05/14/74	30	58.5	62.2	162.	20.	758.786	27.546	38.	46.75	66.	90.9
00945	SULFATE, TOTAL (MG/L AS SO4)	09/30/68-05/14/74	18	64.5	63.	93.	40.	139.647	11.817	45.4	55.75	67.5	77.7
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/08/70-10/24/72	3	0.2	0.167	0.2	0.1	0.003	0.058	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/17/73-08/17/73	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/08/65-10/24/72	7	292.	301.	378.	208.	3975.667	63.053	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	09/30/68-10/24/72	5	2.5	2.116	4.61	0.17	3.558	1.886	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/30/68-10/24/72	5	0.4	0.402	0.51	0.28	0.008	0.089	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/02/69-06/19/73	13	2.6	3.054	5.8	1.2	1.804	1.343	1.36	2.2	4.	5.4
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	09/08/70-10/24/72	3	0.16	0.113	0.18	0.	0.01	0.099	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0010

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	20	0	0.00	9	0	0.00	6	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	20	0	0.00	9	0	0.00	6	0	0.00	5	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	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.	7	0	0.00	1	0	0.00	4	0	0.00	2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	30	0	0.00	11	0	0.00	12	0	0.00	7	0	0.00			
		Drinking Water	250.	30	0	0.00	11	0	0.00	12	0	0.00	7	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	18	0	0.00	7	0	0.00	6	0	0.00	5	0	0.00			
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	3	0	0.00									
00951	FLOURIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	13	0	0.00	5	0	0.00	5	0	0.00	3	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060	FLOW, STREAM, MEAN DAILY CFS	09/08/65-09/16/71	12	1.	1.925	8.	0.2	5.055	2.248	0.23	0.375	2.75	6.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/08/65-12/19/73	16	514.	513.688	614.	282.	6862.896	82.843	405.2	463.25	586.5	604.2

** - 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: 11/01 to 3/14 - Station CUVA0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060	FLOW, STREAM, MEAN DAILY CFS	09/08/65-09/16/71	9	8.	17.533	65.	0.8	468.86	21.653	0.8	1.5	29.5	65.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/08/65-12/19/73	15	541.	576.2	958.	305.	23524.457	153.377	374.	507.	704.	825.4

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060	FLOW, STREAM, MEAN DAILY CFS	09/08/65-09/16/71	4	5.5	5.	8.	1.	8.667	2.944	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/08/65-12/19/73	7	532.	525.286	613.	436.	2868.905	53.562	**	**	**	**

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

Station Inventory for Station: CUVA0011

NPS Station ID: CUVA0011
LAT/LON: 41.056392/ -81.546392
Agency: 112WRD
Date Created: 07/30/76
Location: SUMMIT LK NR MIDPOINT AT AKRON OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 410323081324700
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001003000.00
RF3 Mile Point: 0.50
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/03/76-08/19/76	18	14.	17.517	26.	10.1	30.076	5.484	10.1	13.95	22.85	24.65
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/03/76-08/19/76	3	5.	5.	6.	4.	1.	1.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/03/76-08/19/76	2	29.5	29.5	34.	25.	40.5	6.364	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/03/76-08/19/76	3	20.	21.667	25.	20.	8.333	2.887	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/03/76-08/19/76	18	915.	948.222	1250.	850.	16603.948	128.856	854.5	865.	932.5	1250.
00300	OXYGEN, DISSOLVED MG/L	05/03/76-08/19/76	18	9.1	7.35	17.8	0.	29.565	5.437	0.	1.55	10.5	14.92
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	05/03/76-08/19/76	18	93.5	80.5	220.	0.	4135.912	64.311	0.	14.	105.	188.5
00310	BOD, 5 DAY, 20 DEG C MG/L	05/03/76-08/19/76	3	4.2	4.733	6.2	3.8	1.653	1.286	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	05/03/76-08/19/76	3	22.	22.667	26.	20.	9.333	3.055	**	**	**	**
00400	PH (STANDARD UNITS)	05/03/76-08/19/76	18	8.2	7.95	8.8	7.1	0.351	0.592	7.1	7.3	8.4	8.62
00400	CONVERTED PH (STANDARD UNITS)	05/03/76-08/19/76	18	8.155	7.608	8.8	7.1	0.475	0.689	7.1	7.3	8.4	8.62
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/03/76-08/19/76	18	0.007	0.025	0.079	0.002	0.001	0.028	0.002	0.004	0.05	0.079
00405	CARBON DIOXIDE (MG/L AS CO2)	05/03/76-08/19/76	3	0.9	4.733	13.	0.3	51.343	7.165	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/03/76-08/19/76	3	119.	121.	130.	114.	67.	8.185	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	05/03/76-08/19/76	3	143.	138.667	158.	115.	476.333	21.825	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	05/03/76-08/19/76	3	1.	4.333	12.	0.	44.333	6.658	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/03/76-05/03/76	1	668.	668.	668.	668.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/03/76-05/03/76	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	05/03/76-08/19/76	3	1.2	1.533	2.4	1.	0.573	0.757	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/03/76-08/19/76	3	1.	0.993	1.1	0.88	0.012	0.11	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/03/76-08/19/76	3	0.1	0.43	1.1	0.09	0.337	0.58	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/03/76-08/19/76	3	0.01	0.023	0.05	0.01	0.001	0.023	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/03/76-08/19/76	3	0.02	0.1	0.28	0.	0.024	0.156	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/03/76-08/19/76	3	1.2	1.427	2.1	0.98	0.352	0.593	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/03/76-08/19/76	3	0.03	0.123	0.33	0.01	0.032	0.179	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/03/76-08/19/76	3	0.09	0.087	0.1	0.07	0.	0.015	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/03/76-08/19/76	3	6.3	6.367	6.8	6.	0.163	0.404	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/03/76-05/03/76	1	210.	210.	210.	210.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/03/76-05/03/76	1	64.	64.	64.	64.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/03/76-05/03/76	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/03/76-05/03/76	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	05/03/76-05/03/76	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	05/03/76-05/03/76	1	57.	57.	57.	57.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/03/76-05/03/76	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/03/76-05/03/76	1	220.	220.	220.	220.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/03/76-05/03/76	1	84.	84.	84.	84.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/03/76-05/03/76	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/03/76-08/19/76	3	3.	2.3	3.1	0.8	1.69	1.3	**	**	**	**

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Parameter Inventory for Station: CUVA0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01007	BARIUM, TOTAL (UG/L AS BA)	05/03/76-05/03/76	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	05/03/76-05/03/76	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/03/76-05/03/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/03/76-05/03/76	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	05/03/76-05/03/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/03/76-05/03/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/03/76-05/03/76	1	380.	380.	380.	380.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/03/76-05/03/76	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/03/76-05/03/76	1	310.	310.	310.	310.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	05/03/76-05/03/76	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/03/76-05/03/76	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	05/03/76-05/03/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/03/76-05/03/76	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	05/03/76-05/03/76	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/03/76-08/19/76	3	48.	97.333	240.	4.	15749.333	125.496	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/03/76-08/19/76	3	1.681	1.555	2.38	0.602	0.803	0.896	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			35.851								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/03/76-08/19/76	3	12.	28.333	72.	1.	1460.333	38.214	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/03/76-08/19/76	3	1.079	0.979	1.857	0.	0.87	0.933	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			9.524								
60050	ALGAE, TOTAL (CELLS/ML)	05/03/76-05/03/76	1	440000.	440000.	440000.	440000.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/03/76-05/03/76	1	670.	670.	670.	670.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/03/76-05/03/76	1	0.91	0.91	0.91	0.91	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/03/76-08/19/76	3	0.01	0.013	0.02	0.01	0.	0.006	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	05/03/76-08/19/76	3	0.	0.	0.	0.	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	05/03/76-08/19/76	3	5.4	6.967	11.	4.5	12.403	3.522	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/03/76-05/03/76	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: CUVA0011

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	3	0	0.00	1	0	0.00				2	0	0.00			
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	18	6	0.33	8	3	0.38				10	3	0.30			
00400	PH	Other-Hi Lim.	9.	18	0	0.00	8	0	0.00				10	0	0.00			
		Other-Lo Lim.	6.5	18	0	0.00	8	0	0.00				10	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	1	0	0.00				2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	1	0	0.00				2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 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.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: CUVA0011

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	1	0.33	1	1	1.00				2	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: CUVA0012

NPS Station ID: CUVA0012 | LAT/LON: 41.057504/ -81.545837 | Agency: 21OHIO | Date Created: 11/15/86
Location: SUMMIT LAKE AT AKRON - MIDDLE OF NORTH BASIN | FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): F01A12
RMI-Indexes: 0603002 000940 00060 | Within Park Boundary: No
RMI-Miles: 0042.27 0002.04 002.90
HUC: 04110002 | Depth of Water: 0 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER | ECO Region:
RF1 Index: 04110002 | RF1 Mile Point: 0.000 | Distance from RF1: 11.40 | On/Off RF1:
RF3 Index: 04110002043100.00 | RF3 Mile Point: 0.93 | Distance from RF3: 0.02 | On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED IN THE CENTER OF THE NORTH PORTION OF THE LAKE, EAST OF CLEARVIEW PARK.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/24/86-11/04/86	8	12.	14.813	26.	10.	42.353	6.508	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/24/86-08/14/86	6	774.	810.167	1090.	590.	39856.567	199.641	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/24/86-11/04/86	8	1025.	1019.25	1220.	883.	9928.214	99.64	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/24/86-11/04/86	8	4.15	4.45	10.5	0.1	17.551	4.189	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	04/24/86-11/04/86	4	8.8	29.9	100.	2.	2207.78	46.987	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	08/14/86-08/14/86	2 ##	2605.	2605.	5200.	10.	13468050.	3669.884	**	**	**	**
00400	PH (STANDARD UNITS)	04/24/86-11/04/86	8	7.7	7.713	8.1	7.4	0.044	0.21	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/24/86-11/04/86	8	7.7	7.672	8.1	7.4	0.046	0.215	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/24/86-11/04/86	8	0.02	0.021	0.04	0.008	0.	0.009	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/30/86-11/04/86	2	174.5	174.5	203.	146.	1624.5	40.305	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/14/86-08/14/86	2 ##	2246.25	2246.25	4490.	2.5	10068828.125	3173.142	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/24/86-11/04/86	8	0.305	1.318	7.55	0.025	6.63	2.575	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/24/86-11/04/86	8 ##	0.01	0.076	0.31	0.01	0.015	0.122	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/24/86-11/04/86	8	1.05	34.75	270.	0.8	9035.8	95.057	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/24/86-11/04/86	8	0.175	0.221	0.47	0.05	0.031	0.177	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/24/86-11/04/86	8	0.05	2.758	21.4	0.025	56.75	7.533	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/24/86-11/04/86	8	275.5	303.75	483.	262.	5441.071	73.764	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/24/86-11/04/86	8	81.15	91.888	158.	76.9	739.518	27.194	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/24/86-11/04/86	8	17.6	18.038	21.5	16.	3.117	1.765	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	04/24/86-11/04/86	8	96.	99.875	134.	80.	340.125	18.442	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/24/86-11/04/86	8	176.5	176.875	231.	140.	1008.982	31.764	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/24/86-11/04/86	7	74.	86.286	161.	61.	1178.905	34.335	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/14/86-11/04/86	4	9.5	28.	89.	4.	1674.	40.915	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/24/86-11/04/86	8 ##	0.15	0.4	2.	0.1	0.426	0.652	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/14/86-11/04/86	4 ##	15.	28.75	70.	15.	756.25	27.5	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/24/86-11/04/86	8 ##	5.	32.5	195.	1.	4492.	67.022	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/24/86-11/04/86	8	300.	6716.25	44200.	170.	235618341.071	15349.865	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/24/86-11/04/86	8 ##	1.	48.375	335.	1.	13660.839	116.88	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/24/86-11/04/86	4	627.5	818.75	1690.	330.	402972.917	634.801	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/24/86-11/04/86	8 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	07/30/86-11/04/86	6	380.	395.	490.	300.	4830.	69.498	**	**	**	**

** - Less than 9 observations ## - 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: CUVA0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092	ZINC, TOTAL (UG/L AS ZN)	04/24/86-11/04/86	8	17.5	142.5	680.	15.	54378.571	233.192	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/30/86-07/30/86	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/24/86-11/04/86	8	605.	601.75	716.	530.	3859.929	62.128	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0012

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	8	4	0.50	4	2	0.50	2	1	0.50	2	1	0.50			
00400	PH	Other-Hi Lim.	9.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	250.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	7	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	4	0	0.00	2	0	0.00	2	0	0.00						
		Drinking Water	50.	4	1	0.25	2	1	0.50	2	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	5.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	2	0	0.00	2	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	8	2	0.25	4	1	0.25	2	1	0.50	2	0	0.00			
		Drinking Water	1300.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	8	1	0.13	4	1	0.25	2	0	0.00	2	0	0.00			
		Drinking Water	15.	8	2	0.25	4	1	0.25	2	1	0.50	2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	100.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	8	3	0.38	4	1	0.25	2	2	1.00	2	0	0.00			
		Drinking Water	5000.	8	0	0.00	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: CUVA0013

NPS Station ID: CUVA0013 | LAT/LON: 41.058060/ -81.432227 | Agency: 21OHIO | Date Created: 11/08/86
Location: L. CUYAHOGA R. NR MOGADORE - DST UNIV. MATERIALS | FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): F01S88
RMI-Indexes: 0603002 000940 | Within Park Boundary: No
RMI-Miles: 0042.27 0011.20
HUC: 04110002 | Depth of Water: 0 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER | ECO Region:
RF1 Index: 04110002002 | RF1 Mile Point: 6.830 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 04110002000206.55 | RF3 Mile Point: 10.05 | Distance from RF3: 0.01 | On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED JUST UPSTREAM FROM THE CONFLUENCE OF WINGFOOT LAKE OUTLET; DOWNSTREAM FROM UNIVERSAL MATERIALS.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/16/86	5	20.5	19.3	24.	13.	25.95	5.094	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/16/86	5	352.	345.	396.	284.	1972.	44.407	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/16/86	5	1.9	2.32	3.5	1.5	0.712	0.844	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/16/86	4 ##	16.5	17.	25.	10.	66.	8.124	**	**	**	**
00400	PH (STANDARD UNITS)	07/09/86-09/16/86	5	7.7	7.66	7.7	7.6	0.003	0.055	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/09/86-09/16/86	5	7.7	7.657	7.7	7.6	0.003	0.055	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/86-09/16/86	5	0.02	0.022	0.025	0.02	0.	0.003	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/16/86	5 ##	2.5	4.1	7.	2.5	4.925	2.219	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/16/86	5	0.1	0.155	0.36	0.025	0.02	0.142	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/16/86	4 ##	0.015	0.015	0.02	0.01	0.	0.006	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/16/86	5	0.9	0.88	1.1	0.6	0.037	0.192	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/16/86	5	0.1	0.134	0.36	0.05	0.017	0.129	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/16/86	4 ##	0.038	0.05	0.1	0.025	0.001	0.035	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/16/86	5	171.	160.6	182.	135.	500.3	22.367	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/16/86	5	44.7	41.88	48.6	33.9	46.322	6.806	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/16/86	5	14.5	13.6	14.7	12.	1.77	1.33	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/16/86	5	4.	4.	5.	2.	1.5	1.225	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/16/86	5 ##	0.1	0.12	0.2	0.1	0.002	0.045	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/16/86	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/16/86	5 ##	0.6	2.29	5.	0.25	6.14	2.478	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/16/86	5	200.	222.	360.	150.	6420.	80.125	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/16/86	5 ##	1.	2.6	5.	1.	4.8	2.191	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/16/86	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/16/86	5	10.	8.	10.	5.	7.5	2.739	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	4 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/16/86	5	310.	286.8	332.	228.	2489.2	49.892	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0013

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	5	1.00	5	5	1.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	5	0	0.00									
		Drinking Water	50.	5	0	0.00	5	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	0	0.00	5	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	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: CUVA0014

NPS Station ID: CUVA0014
LAT/LON: 41.058615/ -81.377503
Agency: 112WRD
Date Created: 07/30/76
Location: MOGADORE RE AB DAM NR MOGADORE OH
FIPS State/County: 39133 OHIO/PORTAGE
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 410331081223900
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 22.20
On/Off RF1:
RF3 Index: 04110002045803.02
RF3 Mile Point: 4.22
Distance from RF3: 0.28
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/04/76-08/23/76	14	15.5	17.421	26.6	11.6	36.828	6.069	11.8	12.	23.425	26.5
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/04/76-08/23/76	4	1.5	1.75	3.	1.	0.917	0.957	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/04/76-08/23/76	2	156.5	156.5	252.	61.	18240.5	135.057	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/04/76-08/23/76	4	5.	26.25	90.	5.	1806.25	42.5	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/04/76-08/23/76	14	318.	299.286	320.	265.	560.22	23.669	266.5	268.	318.	319.
00300	OXYGEN, DISSOLVED MG/L	05/04/76-08/23/76	14	8.75	7.029	12.1	0.	17.193	4.146	0.	3.3	9.175	11.25
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	05/04/76-08/23/76	14	84.5	75.571	151.	0.	2326.11	48.23	0.	39.75	96.75	141.5
00310	BOD, 5 DAY, 20 DEG C MG/L	05/04/76-08/23/76	4	0.8	1.05	2.	0.6	0.41	0.64	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	05/04/76-08/23/76	4	14.	14.5	23.	7.	45.667	6.758	**	**	**	**
00400	PH (STANDARD UNITS)	05/04/76-08/23/76	14	7.8	7.907	9.	7.1	0.375	0.612	7.1	7.65	8.2	8.95
00400	CONVERTED PH (STANDARD UNITS)	05/04/76-08/23/76	14	7.8	7.606	9.	7.1	0.472	0.687	7.1	7.65	8.2	8.95
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/04/76-08/23/76	14	0.016	0.025	0.079	0.001	0.001	0.028	0.001	0.008	0.028	0.079
00405	CARBON DIOXIDE (MG/L AS CO2)	05/04/76-08/23/76	4	2.3	4.675	14.	0.1	39.723	6.303	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/04/76-08/23/76	4	75.	73.75	89.	56.	183.583	13.549	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	05/04/76-08/23/76	4	92.	86.	108.	52.	570.667	23.889	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	05/04/76-08/23/76	4	0.	2.	8.	0.	16.	4.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/04/76-05/04/76	1	223.	223.	223.	223.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/04/76-05/04/76	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	05/04/76-08/23/76	4	0.63	0.62	0.76	0.46	0.015	0.123	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	05/04/76-08/23/76	4	0.545	0.518	0.56	0.42	0.004	0.066	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/04/76-08/23/76	4	0.055	0.083	0.19	0.03	0.005	0.073	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/04/76-08/23/76	4	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/04/76-08/23/76	4	0.01	0.01	0.02	0.	0.	0.012	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/04/76-08/23/76	4	0.6	0.6	0.75	0.45	0.015	0.122	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/04/76-08/23/76	4	0.02	0.02	0.03	0.01	0.	0.012	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/04/76-08/23/76	4	0.03	0.065	0.17	0.03	0.005	0.07	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/04/76-08/23/76	4	5.7	5.825	8.1	3.8	4.809	2.193	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/04/76-05/04/76	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/04/76-05/04/76	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/04/76-05/04/76	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/04/76-05/04/76	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	05/04/76-05/04/76	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	05/04/76-05/04/76	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/04/76-05/04/76	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/04/76-05/04/76	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/04/76-05/04/76	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/04/76-05/04/76	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/04/76-08/23/76	4	2.9	3.325	6.2	1.3	5.949	2.439	**	**	**	**

** - Less than 9 observations ## - 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: CUVA0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01002	ARSENIC, TOTAL (UG/L AS AS)	05/04/76-05/04/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	05/04/76-05/04/76	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	05/04/76-05/04/76	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/04/76-05/04/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/04/76-05/04/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	05/04/76-05/04/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/04/76-05/04/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/04/76-05/04/76	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/04/76-05/04/76	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/04/76-05/04/76	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	05/04/76-05/04/76	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/04/76-05/04/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	05/04/76-05/04/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/04/76-05/04/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	05/04/76-05/04/76	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/76-08/23/76	4 ##	1.	3.75	12.	1.	30.25	5.5	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/76-08/23/76	4 ##	0.	0.27	1.079	0.	0.291	0.54	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.861								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/04/76-08/23/76	4 ##	1.	13.25	50.	1.	600.25	24.5	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/04/76-08/23/76	4 ##	0.	0.425	1.699	0.	0.722	0.849	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			2.659								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	05/04/76-05/04/76	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
60050	ALGAE, TOTAL (CELLS/ML)	05/04/76-05/04/76	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/04/76-05/04/76	1	218.	218.	218.	218.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/04/76-05/04/76	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/04/76-08/23/76	4	0.01	0.033	0.1	0.01	0.002	0.045	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	05/04/76-08/23/76	4	0.	0.3	1.2	0.	0.36	0.6	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	05/04/76-08/23/76	4	2.8	2.75	3.4	2.	0.33	0.574	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/04/76-05/04/76	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0014

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	4	0	0.00	2	0	0.00				2	0	0.00			
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	14	3	0.21	7	3	0.43				7	0	0.00			
00400	PH	Other-Hi Lim.	9.	14	1	0.07	7	1	0.14				7	0	0.00			
		Other-Lo Lim.	6.5	14	0	0.00	7	0	0.00				7	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	2	0	0.00				2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	4	0	0.00	2	0	0.00				2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	0	0.00	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.	1	0	0.00							1	0	0.00			
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			

& - 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: CUVA0014

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
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			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	0	0.00	2	0	0.00				2	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: CUVA0015

NPS Station ID: CUVA0015 LAT/LON: 41.059170/ -81.471948 Agency: 21OHIO Date Created: 11/08/86
Location: L. CUYAHOGA R. AT AKRON- SEIBERLING ST (RM 6.67) FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S83
RMI-Indexes: 0603002 000940 Within Park Boundary: No
RMI-Miles: 0042.27 0006.41
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002000203.08 RF3 Mile Point: 4.00 Distance from RF3: 0.01 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED AT THE SEIBERLING ST. BRIDGE, DOWNSTREAM FROM SEVERAL DISCHARGERS. DOWNSTREAM FROM SPRINGFIELD LAKE OUTLET.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/17/86	5	23.	20.	24.	15.	21.	4.583	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/17/86	5	660.	576.6	715.	407.	20054.3	141.613	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/17/86	5	8.1	8.32	9.8	7.3	0.907	0.952	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/17/86	5	21.	21.6	34.	10.	138.3	11.76	**	**	**	**
00400	PH (STANDARD UNITS)	07/09/86-08/21/86	4	8.05	8.	8.3	7.6	0.087	0.294	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/09/86-08/21/86	4	8.047	7.92	8.3	7.6	0.095	0.308	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/86-08/21/86	4	0.009	0.012	0.025	0.005	0.	0.009	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/17/86-09/17/86	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/17/86-09/17/86	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/17/86-09/17/86	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/17/86	5	5.	9.6	20.	2.5	75.175	8.67	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/17/86	5	0.05	0.052	0.11	0.025	0.001	0.035	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/17/86	4 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/17/86	5	0.4	0.56	1.3	0.3	0.178	0.422	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/17/86	5	0.24	0.268	0.47	0.16	0.014	0.118	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/17/86	5	0.05	0.058	0.11	0.025	0.001	0.037	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/17/86	5	299.	252.4	311.	167.	5164.8	71.867	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/17/86	5	86.9	71.84	90.5	45.6	516.923	22.736	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/17/86	5	19.9	17.72	20.7	13.	13.502	3.675	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/17/86	5	2.	2.2	4.	1.	1.7	1.304	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/17/86	5 ##	0.1	0.2	0.6	0.1	0.05	0.224	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/17/86	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/17/86	5	4.	4.8	10.	2.	9.7	3.114	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/17/86	5	330.	614.	1110.	300.	167130.	408.815	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/17/86	5	4.	5.8	14.	2.	23.2	4.817	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/17/86	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/17/86	5	20.	24.	40.	20.	80.	8.944	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/22/86-08/21/86	3	280.	260.	460.	40.	44400.	210.713	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/22/86-08/21/86	3	2.447	2.237	2.663	1.602	0.314	0.561	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			172.713								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	4 ##	10.	12.5	20.	10.	25.	5.	**	**	**	**

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

Parameter Inventory for Station: CUVA0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/17/86	5	470.	438.8	592.	304.	13849.2	117.683	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0015

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	5	0	0.00									
		Drinking Water	50.	5	0	0.00	5	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	0	0.00	5	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	5	0	0.00	5	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	2	0.67	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: CUVA0016

NPS Station ID: CUVA0016 LAT/LON: 41.059448/ -81.463615 Agency: 21OHIO Date Created: 11/08/86
Location: SPRINGFIELD LAKE OUTLET AT AKRON - AT MOUTH FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S92
RMI-Indexes: 0603002 000940 00200 Within Park Boundary: No
RMI-Miles: 0042.27 0007.09 000.01
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 10.70 On/Off RF1:
RF3 Index: 04110002043600.00 RF3 Mile Point: 1.16 Distance from RF3: 0.04 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED AT THE MOUTH, JUST WEST OF MASSILLON RD. IN AKRON.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/17/86	5	23.	22.	25.	18.	11.	3.317	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/17/86	5	869.	835.8	935.	677.	11175.2	105.713	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/17/86	5	7.3	7.12	8.1	5.8	0.707	0.841	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/17/86	5 ##	10.	16.	40.	10.	180.	13.416	**	**	**	**
00400	PH (STANDARD UNITS)	07/09/86-08/21/86	4	8.1	7.975	8.3	7.4	0.156	0.395	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/09/86-08/21/86	4	8.1	7.819	8.3	7.4	0.188	0.434	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/86-08/21/86	4	0.008	0.015	0.04	0.005	0.	0.016	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/17/86-09/17/86	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/17/86-09/17/86	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/17/86-09/17/86	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/17/86	5	5.	4.8	9.	2.5	7.075	2.66	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/17/86	5	0.07	0.059	0.07	0.025	0.	0.019	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/17/86	4 ##	0.01	0.013	0.02	0.01	0.	0.005	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/17/86	5	0.4	0.54	0.9	0.3	0.063	0.251	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/17/86	5	0.21	0.286	0.61	0.16	0.034	0.184	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/17/86	5	0.04	0.04	0.06	0.025	0.	0.015	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/17/86	5	349.	317.	450.	142.	14331.5	119.714	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/17/86	5	104.	82.34	135.	15.	2640.378	51.385	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/17/86	4	22.5	20.375	27.3	9.2	60.949	7.807	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/17/86	5 ##	1.	1.2	2.	1.	0.2	0.447	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/17/86	5	0.2	0.3	0.7	0.1	0.065	0.255	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/17/86	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/17/86	5	7.	7.6	15.	4.	18.8	4.336	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/17/86	5	540.	616.	770.	520.	13330.	115.456	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/17/86	5	4.	8.6	18.	4.	42.8	6.542	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/17/86	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/17/86	5	40.	46.	60.	40.	80.	8.944	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/22/86-08/21/86	3	310.	356.667	460.	300.	8033.333	89.629	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/22/86-08/21/86	3	2.491	2.544	2.663	2.477	0.011	0.103	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			349.741								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	4 ##	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: CUVA0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/17/86	5	596.	579.6	770.	446.	16506.8	128.479	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0016

				Total	Exceed	Prop.	----------7/01-10/31----------			----------11/01-3/14----------			----------3/15-6/30----------			----------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	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	5	0	0.00									
		Drinking Water	50.	5	0	0.00	5	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	1	0.20	5	1	0.20									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	5	0	0.00	5	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	3	1.00	3	3	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: CUVA0017

NPS Station ID: CUVA0017 LAT/LON: 41.060281/ -81.462782 Agency: 21OHIO Date Created: 11/08/86
Location: L. CUYAHOGA R. AT AKRON - MASSILLON RD (RM 7.15) FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S84
RMI-Indexes: 0603002 000940 Within Park Boundary: No
RMI-Miles: 0042.27 0007.15
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 10.90 On/Off RF1:
RF3 Index: 04110002000203.08 RF3 Mile Point: 5.73 Distance from RF3: 0.11 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED AT THE MASSILLON RD. BRIDGE, JUST UPSTREAM FROM THE CONFLUENCE OF SPRINGFIELD LAKE OUTLET.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0017

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/17/86	5	21.	18.6	24.	13.	27.3	5.225	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/17/86	5	446.	439.6	517.	360.	4747.3	68.901	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/17/86	5	8.	8.04	10.	6.7	1.513	1.23	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/17/86	5 ##	10.	18.4	33.	10.	134.3	11.589	**	**	**	**
00400	PH (STANDARD UNITS)	07/09/86-08/21/86	4	8.15	8.05	8.2	7.7	0.057	0.238	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/09/86-08/21/86	4	8.147	7.994	8.2	7.7	0.061	0.247	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/86-08/21/86	4	0.007	0.01	0.02	0.006	0.	0.007	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/17/86-09/17/86	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/17/86-09/17/86	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/17/86-09/17/86	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/17/86	5	7.	11.6	23.	2.5	111.675	10.568	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/17/86	5	0.05	0.072	0.18	0.025	0.004	0.064	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/17/86	4 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/17/86	5	0.4	0.64	1.2	0.2	0.223	0.472	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/17/86	5	0.31	0.296	0.38	0.18	0.006	0.076	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/17/86	5 ##	0.025	0.049	0.1	0.025	0.001	0.035	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/17/86	5	262.	225.8	268.	163.	2941.2	54.233	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/17/86	5	74.3	62.64	75.6	43.8	277.673	16.664	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/17/86	5	18.6	16.86	19.9	13.	9.778	3.127	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/17/86	5 ##	1.	2.	4.	1.	2.	1.414	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/17/86	5 ##	0.1	0.16	0.4	0.1	0.018	0.134	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/17/86	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/17/86	5	2.	3.2	5.	2.	2.7	1.643	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/17/86	5	520.	718.	1340.	330.	170770.	413.243	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/17/86	5	2.	4.	8.	1.	10.5	3.24	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/17/86	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/17/86	5	15.	16.	25.	5.	55.	7.416	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	4 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/17/86	5	418.	375.4	470.	280.	7329.8	85.614	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0017

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	5	0	0.00									
		Drinking Water	50.	5	0	0.00	5	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	0	0.00	5	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	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: CUVA0018

NPS Station ID: CUVA0018
LAT/LON: 41.060281/ -81.463337
Agency: 112WRD
Date Created: / /
Location: L CUYAHOGA R AT MASSILLON RD AKRON OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 04204500
RMI-Indexes: 0603002 000940
Within Park Boundary: No
RMI-Miles: 0044.20 0007.10
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002002
RF1 Mile Point: 4.490
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 04110002043000.30
RF3 Mile Point: 0.29
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/08/65-04/02/74	27	14.	13.089	23.5	1.	65.711	8.106	1.	4.	21.1	23.
00060	FLOW, STREAM, MEAN DAILY CFS	09/08/65-09/17/71	23	17.	26.043	108.	3.	713.771	26.716	6.4	11.	28.	79.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/08/71-04/02/74	15	35.	43.	188.	8.	1787.714	42.281	11.6	23.	50.	105.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/08/65-12/19/73	36	456.	461.222	602.	332.	3826.749	61.861	389.5	420.5	494.25	562.5
00400	PH (STANDARD UNITS)	09/08/65-04/02/74	20	7.55	7.685	8.5	7.2	0.156	0.395	7.3	7.4	8.05	8.38
00400	CONVERTED PH (STANDARD UNITS)	09/08/65-04/02/74	20	7.547	7.554	8.5	7.2	0.174	0.417	7.3	7.4	8.05	8.38
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/08/65-04/02/74	20	0.028	0.028	0.063	0.003	0.	0.018	0.004	0.009	0.04	0.05
00405	CARBON DIOXIDE (MG/L AS CO2)	09/15/72-04/02/74	4	4.45	4.15	6.7	1.	8.07	2.841	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/16/68-04/02/74	8	113.	112.875	149.	68.	815.839	28.563	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/08/65-04/02/74	10	155.	150.8	232.	83.	1936.844	44.01	84.9	117.75	180.5	227.
00445	CARBONATE ION (MG/L AS CO3)	09/08/65-04/02/74	10	0.	0.3	3.	0.	0.9	0.949	0.	0.	0.	2.7
00500	RESIDUE, TOTAL (MG/L)	08/17/73-08/17/73	1	277.	277.	277.	277.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/17/73-04/02/74	4 ##	0.005	0.006	0.01	0.005	0.	0.003	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/20/72-06/19/73	7	0.86	0.866	1.1	0.7	0.022	0.149	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/17/73-04/02/74	4	0.715	0.727	0.94	0.54	0.034	0.185	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/17/73-04/02/74	4	0.72	0.73	0.94	0.54	0.035	0.187	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/15/72-08/17/73	2	0.135	0.135	0.18	0.09	0.004	0.064	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/08/65-04/02/74	18	190.	192.167	243.	150.	834.853	28.894	150.	170.	212.5	240.3
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/08/65-04/02/74	9	68.	74.556	110.	53.	335.528	18.317	53.	60.5	88.	110.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/28/74-04/02/74	2	51.5	51.5	61.	42.	180.5	13.435	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/28/74-04/02/74	2	12.	12.	13.	11.	2.	1.414	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/08/65-04/02/74	31	30.	34.968	96.	19.	311.966	17.663	22.2	26.	35.	64.8
00945	SULFATE, TOTAL (MG/L AS SO4)	09/16/68-04/02/74	18	62.	62.889	79.	46.	94.34	9.713	46.9	56.75	72.	74.5
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/08/70-09/15/72	3	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/17/73-08/17/73	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/08/65-09/15/72	7	280.	289.286	341.	242.	1148.905	33.895	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	09/16/68-09/15/72	5	8.02	11.348	23.5	6.21	51.891	7.204	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/16/68-09/15/72	5	0.38	0.382	0.44	0.33	0.002	0.04	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/14/69-06/19/73	13	3.1	3.246	4.6	2.2	0.611	0.782	2.2	2.6	3.95	4.48
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	09/08/70-09/15/72	3	0.54	0.5	0.65	0.31	0.03	0.173	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0018

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	20	0	0.00	10	0	0.00	6	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	20	0	0.00	10	0	0.00	6	0	0.00	4	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	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.	7	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	31	0	0.00	12	0	0.00	12	0	0.00	7	0	0.00			
		Drinking Water	250.	31	0	0.00	12	0	0.00	12	0	0.00	7	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	18	0	0.00	8	0	0.00	6	0	0.00	4	0	0.00			
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	3	0	0.00									
00951	FLOURIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	13	0	0.00	6	0	0.00	5	0	0.00	2	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060	FLOW, STREAM, MEAN DAILY CFS	09/08/65-09/17/71	10	10.5	12.3	34.	3.	72.9	8.538	3.3	6.75	14.25	32.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/08/65-12/19/73	14	449.	448.5	573.	332.	4548.269	67.441	341.	401.	497.	554.

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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060	FLOW, STREAM, MEAN DAILY CFS	09/08/65-09/17/71	8	26.5	44.5	108.	13.	1446.571	38.034	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/08/65-12/19/73	14	476.5	473.286	602.	391.	3877.604	62.27	398.	421.25	506.	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 #3: 3/15 to 6/30 - Station CUVA0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060	FLOW, STREAM, MEAN DAILY CFS	09/08/65-09/17/71	5	20.	24.	39.	19.	71.5	8.456	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/08/65-12/19/73	8	452.	462.375	561.	398.	2869.411	53.567	**	**	**	**

** - Less than 9 observations ## - Computed 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: CUVA0019

NPS Station ID: CUVA0019 LAT/LON: 41.062505/ -81.440003 Agency: 21OHIO Date Created: 11/15/86
Location: L. CUYAHOGA R. AT AKRON - CHENEY RD. (RM 8.7) FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S85
RMI-Indexes: 0603002 000940 Within Park Boundary: No
RMI-Miles: 0042.27 0008.70
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002002 RF1 Mile Point: 5.880 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 05040001012400.00 RF3 Mile Point: 2.16 Distance from RF3: 0.08 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED AT THE CHENEY ST. BRIDGE (ON PRIVATE PROPERTY, IN AKRON.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/17/86	5	18.	17.1	23.	10.	35.3	5.941	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/17/86	5	402.	417.6	473.	365.	2508.3	50.083	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/17/86	5	7.4	7.36	9.5	5.5	2.268	1.506	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/17/86	5 ##	10.	16.8	28.	10.	87.2	9.338	**	**	**	**
00400	PH (STANDARD UNITS)	07/09/86-08/21/86	4	7.9	7.9	8.	7.8	0.007	0.082	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/09/86-08/21/86	4	7.9	7.894	8.	7.8	0.007	0.082	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/86-08/21/86	4	0.013	0.013	0.016	0.01	0.	0.002	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/17/86-09/17/86	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/17/86-09/17/86	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/17/86-09/17/86	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/17/86	5	11.	12.6	19.	5.	38.8	6.229	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/17/86	5	0.06	0.079	0.18	0.025	0.004	0.06	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/17/86	4 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/17/86	5	0.9	0.74	1.	0.4	0.073	0.27	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/17/86	5	0.35	0.332	0.44	0.19	0.009	0.092	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/17/86	5	0.11	0.109	0.23	0.025	0.006	0.078	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/17/86	5	232.	216.6	263.	163.	2065.3	45.446	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/17/86	5	65.5	60.4	75.3	43.2	222.75	14.925	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/17/86	5	16.7	15.98	18.3	13.3	4.267	2.066	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/17/86	5	2.	2.4	4.	1.	2.3	1.517	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/17/86	5 ##	0.1	0.12	0.2	0.1	0.002	0.045	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/17/86	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/17/86	5	2.	2.8	5.	1.	4.2	2.049	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/17/86	5	710.	748.	900.	590.	16670.	129.112	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/17/86	5	4.	3.4	6.	1.	5.3	2.302	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/17/86	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/17/86	5	20.	15.	20.	5.	50.	7.071	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	4 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/17/86	5	422.	371.6	452.	274.	7290.8	85.386	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0019

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	5	0	0.00									
		Drinking Water	50.	5	0	0.00	5	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	0	0.00	5	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	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: CUVA0020

NPS Station ID: CUVA0020
LAT/LON: 41.063059/ -81.393892
Agency: 112WRD
Date Created: / /
Location: L CUYAHOGA R AT MOGADORE OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 04204000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002003
RF1 Mile Point: 16.730
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 05040001003000.00
RF3 Mile Point: 0.50
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/08/65-06/29/77	34	16.25	14.582	25.	2.	70.709	8.409	2.	4.75	22.125	24.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/10/74-06/29/77	6	20.5	16.583	27.	-6.5	148.342	12.18	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	09/08/65-09/16/71	22	8.	10.409	63.	1.	174.063	13.193	1.	3.	10.75	22.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/18/71-06/29/77	22	19.5	20.182	36.	4.	95.108	9.752	6.9	12.	30.5	34.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/08/65-06/29/77	41	364.	377.927	574.	273.	4073.92	63.827	302.4	339.	429.	452.8
00300	OXYGEN, DISSOLVED MG/L	09/10/74-06/29/77	7	10.4	9.343	12.7	5.5	7.63	2.762	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/10/74-06/29/77	7	92.	88.286	110.	62.	275.571	16.6	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/20/75-06/29/77	5	3.3	3.92	7.	1.4	4.717	2.172	**	**	**	**
00400	PH (STANDARD UNITS)	09/08/65-06/29/77	26	7.65	7.654	8.4	7.	0.17	0.412	7.17	7.3	8.1	8.2
00400	CONVERTED PH (STANDARD UNITS)	09/08/65-06/29/77	26	7.647	7.489	8.4	7.	0.198	0.445	7.17	7.3	8.1	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/08/65-06/29/77	26	0.023	0.032	0.1	0.004	0.001	0.026	0.006	0.008	0.05	0.068
00405	CARBON DIOXIDE (MG/L AS CO2)	10/24/72-06/29/77	11	2.5	4.236	13.	0.6	17.569	4.191	0.68	1.2	8.8	12.3
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/16/68-06/29/77	15	97.	98.933	141.	81.	243.352	15.6	81.6	89.	104.	129.6
00440	BICARBONATE ION (MG/L AS HCO3)	09/08/65-06/29/77	17	120.	127.706	202.	97.	778.846	27.908	99.4	109.5	138.5	178.
00445	CARBONATE ION (MG/L AS CO3)	09/08/65-06/29/77	17	0.	0.059	1.	0.	0.059	0.243	0.	0.	0.	0.2
00500	RESIDUE, TOTAL (MG/L)	08/17/73-08/17/73	1	193.	193.	193.	193.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/10/74-06/29/77	7	0.15	0.301	1.1	0.06	0.141	0.376	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/17/73-06/29/77	11	0.01	0.012	0.03	0.005	0.	0.008	0.005	0.005	0.02	0.028
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/20/72-06/19/73	7	0.68	0.711	0.9	0.5	0.025	0.158	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/17/73-06/29/77	11	0.36	0.397	0.83	0.03	0.091	0.301	0.036	0.12	0.67	0.83
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/17/73-06/29/77	11	0.38	0.408	0.83	0.04	0.088	0.297	0.046	0.13	0.69	0.83
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/24/72-06/29/77	9	0.08	0.129	0.49	0.02	0.023	0.151	0.02	0.027	0.175	0.49
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/20/75-06/29/77	5	5.2	5.34	11.	1.8	12.418	3.524	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/08/65-06/29/77	24	154.	158.292	224.	120.	690.389	26.275	120.	140.25	170.	194.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/08/65-06/29/77	16	49.5	51.875	92.	30.	275.45	16.597	30.	40.5	61.	80.8
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/20/74-06/29/77	9	43.	41.556	55.	30.	61.028	7.812	30.	34.5	46.5	55.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/20/74-06/29/77	9	10.	10.644	12.	9.3	1.25	1.118	9.3	9.75	12.	12.
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/10/74-06/29/77	7	9.3	12.3	28.	7.8	51.953	7.208	**	**	**	**
00931	SODIUM ADSORPTION RATIO	09/10/74-06/29/77	7	0.3	0.457	1.1	0.3	0.086	0.294	**	**	**	**
00932	SODIUM, PERCENT	09/10/74-06/29/77	7	14.	15.429	31.	11.	49.619	7.044	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/10/74-06/29/77	7	2.	2.086	3.	1.6	0.218	0.467	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/08/65-06/29/77	35	23.	25.343	65.	15.	84.585	9.197	16.6	20.	28.	35.4
00945	SULFATE, TOTAL (MG/L AS SO4)	09/16/68-06/29/77	24	45.5	46.208	65.	27.	110.868	10.529	33.	35.25	55.75	61.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/08/70-06/29/77	10	0.2	0.17	0.3	0.1	0.005	0.067	0.1	0.1	0.2	0.29
00951	FLUORIDE, TOTAL (MG/L AS F)	08/17/73-08/17/73	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/10/74-06/29/77	7	5.6	4.971	10.	1.2	9.182	3.03	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/20/75-06/29/77	5	4.	3.4	5.	1.	3.3	1.817	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/20/75-06/29/77	5 ##	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: CUVA0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042	COPPER, TOTAL (UG/L AS CU)	08/20/75-06/29/77	5 ##	0.	2.2	6.	0.	9.2	3.033	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/10/74-06/29/77	7	40.	34.286	70.	5.	553.571	23.528	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/20/75-06/29/77	5	2.	3.2	11.	0.	20.7	4.55	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/10/74-06/29/77	7	180.	262.857	700.	50.	46790.476	216.311	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/20/75-06/29/77	5 ##	10.	18.	30.	10.	120.	10.954	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/08/65-10/24/72	7	222.	233.143	292.	192.	1546.476	39.325	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/10/74-06/29/77	7	201.	188.286	225.	152.	771.571	27.777	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	09/16/68-06/29/77	12	7.395	8.217	19.5	1.05	44.738	6.689	1.221	2.785	14.355	19.41
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/16/68-06/29/77	12	0.27	0.27	0.35	0.21	0.002	0.04	0.21	0.245	0.295	0.338
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/14/69-06/19/73	12	3.7	3.6	6.2	2.3	0.944	0.971	2.45	2.85	3.875	5.51
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	09/08/70-10/24/72	3	0.45	0.483	0.93	0.07	0.186	0.431	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/20/75-06/29/77	5 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0020

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/31---------- Obs	Exceed	Prop.	----------11/01-3/14---------- Obs	Exceed	Prop.	----------3/15-6/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	7	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00			
00400	PH	Other-Hi Lim.	9.	26	0	0.00	13	0	0.00	7	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	26	0	0.00	13	0	0.00	7	0	0.00	6	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	11	0	0.00	4	0	0.00	3	0	0.00	4	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	7	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	11	0	0.00	4	0	0.00	3	0	0.00	4	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	4	0	0.00	3	0	0.00	4	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	35	0	0.00	15	0	0.00	12	0	0.00	8	0	0.00			
		Drinking Water	250.	35	0	0.00	15	0	0.00	12	0	0.00	8	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	24	0	0.00	11	0	0.00	7	0	0.00	6	0	0.00			
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	10	0	0.00	6	0	0.00	1	0	0.00	3	0	0.00			
00951	FLOURIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	50.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	1300.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	15.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	5000.	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.	12	0	0.00	6	0	0.00	4	0	0.00	2	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	2.	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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/08/65-06/29/77	16	21.	20.269	25.	10.	19.596	4.427	11.4	18.225	24.	24.65
00060	FLOW, STREAM, MEAN DAILY CFS	09/08/65-09/16/71	11	5.	4.455	13.	1.	13.073	3.616	1.	1.	5.	12.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/08/65-06/29/77	18	344.	368.833	507.	273.	5257.441	72.508	290.1	303.5	437.	498.

** - Less than 9 observations ## - Computed 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: 11/01 to 3/14 - Station CUVA0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/08/65-06/29/77	9	2.5	3.556	9.	2.	5.34	2.311	2.	2.	4.5	9.
00060	FLOW, STREAM, MEAN DAILY CFS	09/08/65-09/16/71	7	16.	20.429	63.	3.	404.286	20.107	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/08/65-06/29/77	13	376.	397.231	574.	345.	3887.859	62.353	347.	356.5	429.	523.2

** - 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 #3: 3/15 to 6/30 - Station CUVA0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/08/65-06/29/77	9	14.5	15.5	25.	4.	47.188	6.869	4.	10.75	22.5	25.
00060	FLOW, STREAM, MEAN DAILY CFS	09/08/65-09/16/71	4	9.	9.25	10.	9.	0.25	0.5	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/08/65-06/29/77	10	367.	369.2	434.	305.	2203.511	46.942	306.	327.	407.75	433.7

** - 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

Station Inventory for Station: CUVA0021

NPS Station ID: CUVA0021 | LAT/LON: 41.063615/ -81.394448 | Agency: 21OHIO | Date Created: 11/08/86
Location: L. CUYAHOGA R. NR MOGADORE - S.R. 532 (RM 11.75) | FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): F01S89
RMI-Indexes: 0603002 000940 | Within Park Boundary: No
RMI-Miles: 0042.27 0011.75
HUC: 04110002 | Depth of Water: 0 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER | ECO Region:
RF1 Index: 04110002003 | RF1 Mile Point: 16.730 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 04110002000206.55 | RF3 Mile Point: 6.75 | Distance from RF3: 0.18 | On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED AT THE ST. RT. 532 BRIDGE, UPSTREAM FROM THE UNION OIL TRIBUTARY; DOWNSTREAM FROM HILLS POND.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/16/86	5	23.	21.6	26.	17.	18.8	4.336	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/16/86	5	321.	316.8	347.	289.	567.2	23.816	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/16/86	5	4.2	4.22	6.5	1.3	4.147	2.036	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/16/86	5	30.	30.2	42.	22.	56.2	7.497	**	**	**	**
00400	PH (STANDARD UNITS)	07/09/86-09/16/86	5	7.9	7.84	8.	7.7	0.018	0.134	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/09/86-09/16/86	5	7.9	7.823	8.	7.7	0.018	0.135	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/86-09/16/86	5	0.013	0.015	0.02	0.01	0.	0.005	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/16/86	5	7.	7.5	12.	2.5	16.	4.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/16/86	5	0.13	0.13	0.29	0.025	0.013	0.112	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/16/86	4 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/16/86	5	1.2	1.2	1.5	1.	0.035	0.187	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/16/86	5 ##	0.05	0.078	0.14	0.05	0.002	0.041	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/16/86	5	0.08	0.073	0.11	0.025	0.001	0.032	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/16/86	5	125.	134.8	162.	104.	621.7	24.934	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/16/86	5	39.3	37.46	43.3	30.5	35.068	5.922	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/16/86	5	12.5	12.24	13.2	11.1	0.818	0.904	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/16/86	5	5.	5.2	7.	4.	1.2	1.095	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/16/86	5 ##	0.1	0.14	0.3	0.1	0.008	0.089	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/16/86	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/16/86	5	1.	2.54	5.	0.7	5.058	2.249	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/16/86	5	190.	192.	230.	150.	820.	28.636	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/16/86	5	3.	3.	5.	1.	4.	2.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/16/86	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/16/86	5	10.	11.	25.	5.	67.5	8.216	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	4 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/16/86	5	262.	246.8	278.	206.	1009.2	31.768	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0021

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	2	0.40	5	2	0.40									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	5	0	0.00									
		Drinking Water	50.	5	0	0.00	5	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	0	0.00	5	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	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: CUVA0022

NPS Station ID: CUVA0022 LAT/LON: 41.066115/ -81.536115 Agency: 21OHIO Date Created: 11/08/86
Location: OHIO CANAL AT AKRON - THORNTON ST. (RM 2.22) FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01A04
RMI-Indexes: 0603002 000940 00060 Within Park Boundary: No
RMI-Miles: 0042.27 0002.04 002.22
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 05040001028500.00 RF3 Mile Point: 3.96 Distance from RF3: 0.00 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED AT THE THORNTON ST. BRIDGE, 0.6 MILES NORTHEAST OF SUMMIT LAKE.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/86-09/18/86	5	23.	23.1	26.	19.	6.8	2.608	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/22/86-09/18/86	4	930.	959.25	1105.	872.	11255.583	106.092	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/22/86-09/18/86	5	1110.	1073.4	1190.	887.	13007.8	114.052	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/86-09/18/86	5	7.1	6.82	7.8	5.7	0.677	0.823	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/22/86-09/18/86	4 ##	15.	15.	20.	10.	33.333	5.774	**	**	**	**
00400	PH (STANDARD UNITS)	07/22/86-09/18/86	5	7.65	7.71	8.	7.6	0.028	0.167	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/22/86-09/18/86	5	7.65	7.688	8.	7.6	0.029	0.169	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/86-09/18/86	5	0.022	0.021	0.025	0.01	0.	0.006	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/22/86-09/18/86	5	9.	11.4	24.	5.	59.3	7.701	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/86-09/18/86	5 ##	0.025	0.057	0.12	0.025	0.002	0.045	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/18/86	5	0.02	0.016	0.02	0.01	0.	0.005	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/86-09/18/86	5	0.7	0.78	0.9	0.7	0.012	0.11	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/22/86-09/18/86	5 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/22/86-09/18/86	5 ##	0.025	0.045	0.1	0.025	0.001	0.033	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/86-09/18/86	5	276.	269.8	280.	250.	171.2	13.084	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/22/86-09/18/86	5	81.4	78.58	82.8	69.6	29.602	5.441	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/22/86-09/18/86	5	17.9	17.72	18.5	16.9	0.542	0.736	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/22/86-09/18/86	5	119.	114.6	132.	84.	364.8	19.1	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/22/86-09/18/86	5	215.	204.8	232.	148.	1169.7	34.201	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/22/86-09/18/86	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/22/86-09/18/86	5	1.	2.2	5.	1.	3.2	1.789	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/22/86-09/18/86	5	380.	470.	790.	240.	44900.	211.896	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/22/86-09/18/86	5	3.	3.4	6.	1.	4.3	2.074	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/12/86-09/18/86	4 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/22/86-09/18/86	5	20.	18.	30.	5.	82.5	9.083	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/22/86-09/18/86	5	670.	640.4	712.	536.	4618.8	67.962	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0022

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	5	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	5	0	0.00									
		Drinking Water	250.	5	0	0.00	5	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	0	0.00	5	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	4	0	0.00									
		Drinking Water	100.	4	0	0.00	4	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	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: CUVA0023

NPS Station ID: CUVA0023 LAT/LON: 41.068615/ -81.396948 Agency: 21OHIO Date Created: 11/08/86
Location: TRIB TO L CUYAHOGA R DST UNION OIL- SOUTHEAST AV FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S97
RMI-Indexes: 0603002 000940 00310 Within Park Boundary: No
RMI-Miles: 0042.27 0011.59 000.50
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002003 RF1 Mile Point: 16.730 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002042800.00 RF3 Mile Point: 0.25 Distance from RF3: 0.00 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED DOWNSTREAM FROM THE SOUTHEAST AVE. BRIDGE; DOWNSTREAM FROM UNION OIL; NORTH OF MOGADORE.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/16/86	5	16.	14.8	18.5	10.	13.325	3.65	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/16/86	5	491.	512.2	605.	464.	3050.7	55.233	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/16/86	5	8.5	9.28	12.6	8.1	3.507	1.873	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/16/86	5 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/09/86-09/16/86	5	8.	8.	8.1	7.9	0.005	0.071	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/09/86-09/16/86	5	8.	7.995	8.1	7.9	0.005	0.071	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/86-09/16/86	5	0.01	0.01	0.013	0.008	0.	0.002	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/16/86	5 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/16/86	5 ##	0.025	0.03	0.05	0.025	0.	0.011	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/16/86	4 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/16/86	5	0.2	0.18	0.2	0.1	0.002	0.045	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/16/86	5	0.17	0.158	0.19	0.12	0.001	0.028	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/16/86	5 ##	0.025	0.036	0.08	0.025	0.001	0.025	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/16/86	5	323.	317.2	331.	290.	266.2	16.316	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/16/86	5	92.5	91.64	95.6	84.	20.243	4.499	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/16/86	5	21.5	21.46	23.4	19.5	2.563	1.601	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-07/09/86	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/16/86	5 ##	0.1	0.12	0.2	0.1	0.002	0.045	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/16/86-09/16/86	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/16/86	5	1.	2.48	5.	0.6	5.312	2.305	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/16/86	5	270.	264.	360.	180.	6930.	83.247	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/16/86	5 ##	1.	2.	4.	1.	2.	1.414	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/16/86	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/16/86	5	10.	9.	15.	5.	17.5	4.183	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	4 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/16/86	5	448.	445.6	468.	408.	532.8	23.082	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0023

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	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	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	0	0.00	5	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	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: CUVA0024

NPS Station ID: CUVA0024 LAT/LON: 41.070559/ -81.531949 Agency: 12OHDO Date Created: / /
Location: B. F. GOODRICH - EFFL. COE002 FIPS State/County: 39000 OHIO/
Station Type: /TYPA/IND/TREATD/OUTFL/STREAM STORET Station ID(s): 390166
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05040001 Depth of Water: 999 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER - OHIO CANAL, AKRON, OHIO ECO Region:
RF1 Index: 05040001 RF1 Mile Point: 0.000 Distance from RF1: 19.70 On/Off RF1:
RF3 Index: 05040001012300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.93 On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/72-04/12/72	1	16.5	16.5	16.5	16.5	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	04/12/72-04/12/72	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	04/12/72-04/12/72	1	10.6	10.6	10.6	10.6	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/12/72-04/12/72	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/12/72-04/12/72	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/12/72-04/12/72	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/12/72-04/12/72	1	238.	238.	238.	238.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/72-04/12/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	04/12/72-04/12/72	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	04/12/72-04/12/72	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	04/12/72-04/12/72	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	04/12/72-04/12/72	1 ##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
01152	TITANIUM, TOTAL (UG/L AS TI)	04/12/72-04/12/72	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/72-04/12/72	1	227.	227.	227.	227.	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/12/72-04/12/72	1	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: CUVA0024

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00							1	0	0.00			
01025	CADMIUM, DISSOLVED	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			
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			

& - 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: CUVA0024

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	0 &	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			

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

Station Inventory for Station: CUVA0025

NPS Station ID: CUVA0025 LAT/LON: 41.070559/ -81.532226 Agency: 12OHDO Date Created: / /
Location: B. F. GOODRICH - EFFL. COE001 FIPS State/County: 39000 OHIO/
Station Type: /TYPA/IND/TREATD/OUTFL/STREAM STORET Station ID(s): 390165
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05040001 Depth of Water: 999 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER - OHIO CANAL, AKRON, OHIO ECO Region:
RF1 Index: 05040001 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002001011.03 RF3 Mile Point: 14.25 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00058	FLOW, RATE GALLONS/MIN	04/12/72-04/12/72	1	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	04/12/72-04/12/72	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/12/72-04/12/72	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/12/72-04/12/72	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/12/72-04/12/72	1	0.794	0.794	0.794	0.794	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/12/72-04/12/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/72-04/12/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	04/12/72-04/12/72	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	04/12/72-04/12/72	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	04/12/72-04/12/72	1 ##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
01152	TITANIUM, TOTAL (UG/L AS TI)	04/12/72-04/12/72	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/72-04/12/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/12/72-04/12/72	1	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: CUVA0025

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00							1	0	0.00			
01025	CADMIUM, DISSOLVED	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			
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.	0 &	0	0.00												

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

EPA Water Quality Criteria Analysis for Station: CUVA0025

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 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			

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

Station Inventory for Station: CUVA0026

NPS Station ID: CUVA0026 LAT/LON: 41.070837/ -81.531393 Agency: 12OHDO Date Created: / /
Location: B. F. GOODRICH - EFFL. COE005 FIPS State/County: 39000 OHIO/
Station Type: /TYPA/IND/TREATD/OUTFL/STREAM STORET Station ID(s): 390169
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05040001 Depth of Water: 999 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER - OHIO CANAL, AKRON, OHIO ECO Region:
RF1 Index: 05040001 RF1 Mile Point: 0.000 Distance from RF1: 19.30 On/Off RF1:
RF3 Index: 05040001012300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.97 On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/72-04/12/72	1	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	04/12/72-04/12/72	1	128.	128.	128.	128.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	04/12/72-04/12/72	1	17.5	17.5	17.5	17.5	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/12/72-04/12/72	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/12/72-04/12/72	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/12/72-04/12/72	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/12/72-04/12/72	1	694.	694.	694.	694.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/72-04/12/72	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	04/12/72-04/12/72	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	04/12/72-04/12/72	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/12/72-04/12/72	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	04/12/72-04/12/72	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	04/12/72-04/12/72	1 ##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
01152	TITANIUM, TOTAL (UG/L AS TI)	04/12/72-04/12/72	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/72-04/12/72	1	595.	595.	595.	595.	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/12/72-04/12/72	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: CUVA0026

				Total	Exceed	Prop.	----------7/01-10/31----------			----------11/01-3/14----------			----------3/15-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00							1	0	0.00			
01025	CADMIUM, DISSOLVED	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			
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			

& - 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: CUVA0026

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	0 &	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			

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

Station Inventory for Station: CUVA0027

NPS Station ID: CUVA0027 LAT/LON: 41.070837/ -81.531670 Agency: 12OHDO Date Created: / /
Location: B. F. GOODRICH - EFFL. COE004 FIPS State/County: 39000 OHIO/
Station Type: /TYPA/IND/TREATD/OUTFL/STREAM STORET Station ID(s): 390168
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05040001 Depth of Water: 999 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER - OHIO CANAL, AKRON, OHIO ECO Region:
RF1 Index: 05040001 RF1 Mile Point: 0.000 Distance from RF1: 19.40 On/Off RF1:
RF3 Index: 05040001012300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.95 On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/72-04/12/72	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	04/12/72-04/12/72	1	300.	300.	300.	300.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	04/12/72-04/12/72	1	19.1	19.1	19.1	19.1	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/12/72-04/12/72	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/12/72-04/12/72	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/12/72-04/12/72	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/12/72-04/12/72	1	690.	690.	690.	690.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/72-04/12/72	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	04/12/72-04/12/72	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	04/12/72-04/12/72	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/12/72-04/12/72	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	04/12/72-04/12/72	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	04/12/72-04/12/72	1 ##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
01152	TITANIUM, TOTAL (UG/L AS TI)	04/12/72-04/12/72	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/72-04/12/72	1	653.	653.	653.	653.	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/12/72-04/12/72	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: CUVA0027

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00							1	0	0.00			
01025	CADMIUM, DISSOLVED	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			
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			

& - 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: CUVA0027

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	0 &	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			

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

Station Inventory for Station: CUVA0028

NPS Station ID: CUVA0028 LAT/LON: 41.070837/ -81.531949 Agency: 12OHDO Date Created: / /
Location: B. F. GOODRICH - EFFL. COE003 FIPS State/County: 39000 OHIO/
Station Type: /TYPA/IND/TREATD/OUTFL/STREAM STORET Station ID(s): 390167
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05040001 Depth of Water: 999 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER - OHIO CANAL, AKRON, OHIO ECO Region:
RF1 Index: 05040001 RF1 Mile Point: 0.000 Distance from RF1: 19.60 On/Off RF1:
RF3 Index: 05040001012300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.94 On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/72-04/12/72	1	10.5	10.5	10.5	10.5	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	04/12/72-04/12/72	1	300.	300.	300.	300.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	04/12/72-04/12/72	1	18.9	18.9	18.9	18.9	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/12/72-04/12/72	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/12/72-04/12/72	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/12/72-04/12/72	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/12/72-04/12/72	1	670.	670.	670.	670.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/72-04/12/72	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	04/12/72-04/12/72	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	04/12/72-04/12/72	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/12/72-04/12/72	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	04/12/72-04/12/72	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	04/12/72-04/12/72	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
01152	TITANIUM, TOTAL (UG/L AS TI)	04/12/72-04/12/72	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/72-04/12/72	1	635.	635.	635.	635.	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/12/72-04/12/72	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: CUVA0028

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/31---------- Obs	Exceed	Prop.	----------11/01-3/14---------- Obs	Exceed	Prop.	----------3/15-6/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00							1	0	0.00			
01025	CADMIUM, DISSOLVED	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			
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			

& - 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: CUVA0028

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	0 &	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			

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

Station Inventory for Station: CUVA0029

NPS Station ID: CUVA0029
LAT/LON: 41.071115/ -81.531116
Agency: 12OHDO
Date Created: / /
Location: B. F. GOODRICH - EFFL. COE006
FIPS State/County: 39000 OHIO/
Station Type: /TYPA/IND/TREATD/OUTFL/STREAM
STORET Station ID(s): 390170
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05040001
Depth of Water: 999
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER - OHIO CANAL, AKRON, OHIO
ECO Region:
RF1 Index: 05040001
RF1 Mile Point: 0.000
Distance from RF1: 19.20
On/Off RF1:
RF3 Index: 05040001012300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.98
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/72-04/12/72	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	04/12/72-04/12/72	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	04/12/72-04/12/72	1	16.6	16.6	16.6	16.6	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/12/72-04/12/72	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/12/72-04/12/72	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/12/72-04/12/72	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/12/72-04/12/72	1	684.	684.	684.	684.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/72-04/12/72	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	04/12/72-04/12/72	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	04/12/72-04/12/72	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/12/72-04/12/72	1	300.	300.	300.	300.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	04/12/72-04/12/72	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	04/12/72-04/12/72	1 ##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
01152	TITANIUM, TOTAL (UG/L AS TI)	04/12/72-04/12/72	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/72-04/12/72	1	656.	656.	656.	656.	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/12/72-04/12/72	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0029

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/31---------- Obs	Exceed	Prop.	----------11/01-3/14---------- Obs	Exceed	Prop.	----------3/15-6/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00							1	0	0.00			
01025	CADMIUM, DISSOLVED	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			
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			

& - 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: CUVA0029

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	0 &	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			

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

Station Inventory for Station: CUVA0030

NPS Station ID: CUVA0030 LAT/LON: 41.071115/ -81.531393 Agency: 12OHDO Date Created: / /
Location: B.F.GOODRICH-STORM EFFL. NR 010 FIPS State/County: 39000 OHIO/
Station Type: /TYPA/IND/TREATD/OUTFL/STREAM STORET Station ID(s): 390175
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05040001 Depth of Water: 999 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER - OHIO CANAL, AKRON, OHIO ECO Region:
RF1 Index: 05040001 RF1 Mile Point: 0.000 Distance from RF1: 17.70 On/Off RF1:
RF3 Index: 05040001012300.00 RF3 Mile Point: 0.00 Distance from RF3: 1.13 On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00335	COD, .025N K2CR2O7 MG/L	04/12/72-04/12/72	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/12/72-04/12/72	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/12/72-04/12/72	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/12/72-04/12/72	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/12/72-04/12/72	1	179.	179.	179.	179.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/72-04/12/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/12/72-04/12/72	1	300.	300.	300.	300.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	04/12/72-04/12/72	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	04/12/72-04/12/72	1 ##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
01152	TITANIUM, TOTAL (UG/L AS TI)	04/12/72-04/12/72	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/72-04/12/72	1	179.	179.	179.	179.	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/12/72-04/12/72	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0030

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00							1	0	0.00			
01025	CADMIUM, DISSOLVED	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			
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.	0 &	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			

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

Station Inventory for Station: CUVA0031

NPS Station ID: CUVA0031 LAT/LON: 41.071392/ -81.531116 Agency: 12OHDO Date Created: / /
Location: B. F. GOODRICH - EFFL. COE007 FIPS State/County: 39000 OHIO/
Station Type: /TYPA/IND/TREATD/OUTFL/STREAM STORET Station ID(s): 390171
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05040001 Depth of Water: 999 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER - OHIO CANAL, AKRON, OHIO ECO Region:
RF1 Index: 05040001 RF1 Mile Point: 0.000 Distance from RF1: 19.00 On/Off RF1:
RF3 Index: 05040001012300.00 RF3 Mile Point: 0.00 Distance from RF3: 1.00 On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/72-04/12/72	1	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	04/12/72-04/12/72	1	17.5	17.5	17.5	17.5	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/12/72-04/12/72	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/12/72-04/12/72	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/12/72-04/12/72	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/12/72-04/12/72	1	678.	678.	678.	678.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/72-04/12/72	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	04/12/72-04/12/72	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	04/12/72-04/12/72	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/12/72-04/12/72	1	300.	300.	300.	300.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	04/12/72-04/12/72	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	04/12/72-04/12/72	1 ##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
01152	TITANIUM, TOTAL (UG/L AS TI)	04/12/72-04/12/72	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/72-04/12/72	1	627.	627.	627.	627.	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/12/72-04/12/72	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0031

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00							1	0	0.00			
01025	CADMIUM, DISSOLVED	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			
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00							1	1	1.00			
		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.	0 &	0	0.00												

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

EPA Water Quality Criteria Analysis for Station: CUVA0031

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 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			

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

Station Inventory for Station: CUVA0032

NPS Station ID: CUVA0032 LAT/LON: 41.071670/ -81.530837 Agency: 12OHDO Date Created: / /
Location: B. F. GOODRICH - EFFL. COE008 FIPS State/County: 39000 OHIO/
Station Type: /TYPA/IND/TREATD/OUTFL/STREAM STORET Station ID(s): 390172
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05040001 Depth of Water: 999 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER - OHIO CANAL, AKRON, OHIO ECO Region:
RF1 Index: 05040001 RF1 Mile Point: 0.000 Distance from RF1: 18.90 On/Off RF1:
RF3 Index: 05040001012300.00 RF3 Mile Point: 0.00 Distance from RF3: 1.01 On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/72-04/12/72	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	04/12/72-04/12/72	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	04/12/72-04/12/72	1	15.4	15.4	15.4	15.4	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/12/72-04/12/72	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/12/72-04/12/72	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/12/72-04/12/72	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/12/72-04/12/72	1	694.	694.	694.	694.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/72-04/12/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	04/12/72-04/12/72	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	04/12/72-04/12/72	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/12/72-04/12/72	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	04/12/72-04/12/72	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	04/12/72-04/12/72	1 ##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
01152	TITANIUM, TOTAL (UG/L AS TI)	04/12/72-04/12/72	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/72-04/12/72	1	620.	620.	620.	620.	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/12/72-04/12/72	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: CUVA0032

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00							1	0	0.00			
01025	CADMIUM, DISSOLVED	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			
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00							1	1	1.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: CUVA0032

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	0 &	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			

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

Station Inventory for Station: CUVA0033

NPS Station ID: CUVA0033 LAT/LON: 41.072226/ -81.529170 Agency: 12OHDO Date Created: / /
Location: B. F. GOODRICH - INTAKE 010 FIPS State/County: 39000 OHIO/
Station Type: /TYPA/IND/NTRTMT/INTAKE/STREAM STORET Station ID(s): 390174
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05040001 Depth of Water: 999 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER - OHIO CANAL, AKRON, OHIO ECO Region:
RF1 Index: 05040001 RF1 Mile Point: 0.000 Distance from RF1: 16.40 On/Off RF1:
RF3 Index: 05040001012400.00 RF3 Mile Point: 0.59 Distance from RF3: 1.30 On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/72-04/12/72	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	04/12/72-04/12/72	1	13.7	13.7	13.7	13.7	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/12/72-04/12/72	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/12/72-04/12/72	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/12/72-04/12/72	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/12/72-04/12/72	1	685.	685.	685.	685.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/72-04/12/72	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	04/12/72-04/12/72	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/12/72-04/12/72	1	500.	500.	500.	500.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	04/12/72-04/12/72	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	04/12/72-04/12/72	1 ##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
01152	TITANIUM, TOTAL (UG/L AS TI)	04/12/72-04/12/72	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/72-04/12/72	1	604.	604.	604.	604.	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/12/72-04/12/72	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0033

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00							1	0	0.00			
01025	CADMIUM, DISSOLVED	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			
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.	0 &	0	0.00												

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

EPA Water Quality Criteria Analysis for Station: CUVA0033

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 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			

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

Station Inventory for Station: CUVA0034

NPS Station ID: CUVA0034
LAT/LON: 41.073337/ -81.484449
Agency: 112WRD
Date Created: 07/21/79
Location: 041 L CUYAHOGA R AT AKRON OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 410424081290400
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002002
RF1 Mile Point: 3.180
Distance from RF1: 26.00
On/Off RF1: ON
RF3 Index: 05040001006902.11
RF3 Mile Point: 2.10
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/24/79-03/09/80	3	23.	16.667	24.	3.	140.333	11.846	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/24/79-03/09/80	3	24.5	19.667	25.5	9.	85.583	9.251	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/24/79-03/09/80	3	42.	61.667	109.	34.	1696.333	41.187	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/24/79-03/09/80	3	495.	501.667	590.	420.	7258.333	85.196	**	**	**	**
00400	PH (STANDARD UNITS)	04/24/79-03/09/80	3	7.7	7.9	8.4	7.6	0.19	0.436	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/24/79-03/09/80	3	7.7	7.786	8.4	7.6	0.209	0.458	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/24/79-03/09/80	3	0.02	0.016	0.025	0.004	0.	0.011	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	04/24/79-03/09/80	3	4.2	3.567	5.6	0.9	5.823	2.413	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/24/79-03/09/80	3	117.	114.333	140.	86.	734.333	27.099	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/24/79-03/09/80	3	138.	139.667	176.	105.	1262.333	35.529	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	04/24/79-03/09/80	3	0.	0.667	2.	0.	1.333	1.155	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/24/79-03/09/80	3	66.	60.667	69.	47.	142.333	11.93	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/10/79-09/10/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-09/10/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-09/10/79	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/10/79-09/10/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/10/79-09/10/79	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	04/24/79-03/09/80	2	825.	825.	1100.	550.	151250.	388.909	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/24/79-03/09/80	3	620.	800.	1200.	580.	120400.	346.987	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	04/24/79-03/09/80	3	70.	80.	130.	40.	2100.	45.826	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/10/79-09/10/79	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/10/79-09/10/79	1	870.	870.	870.	870.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	04/24/79-03/09/80	3	30.	26.667	50.	0.	633.333	25.166	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/24/79-03/09/80	3	130.	140.	160.	130.	300.	17.321	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/24/79-03/09/80	3	110.	113.333	130.	100.	233.333	15.275	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/10/79-09/10/79	1	360.	360.	360.	360.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/10/79-09/10/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/10/79-09/10/79	1	48000.	48000.	48000.	48000.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/10/79-09/10/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/09/80-03/09/80	1	21.	21.	21.	21.	0.	0.	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	03/09/80-03/09/80	1	6.2	6.2	6.2	6.2	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: CUVA0034

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: CUVA0035

NPS Station ID: CUVA0035 LAT/LON: 41.073337/ -81.484726 Agency: 21OHIO Date Created: 11/08/86
Location: L. CUYAHOGA R. AT AKRON - BANK ST. (RM 5.11) FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S82
RMI-Indexes: 0603002 000940 Within Park Boundary: No
RMI-Miles: 0042.27 0005.11
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002002 RF1 Mile Point: 3.390 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 05040001028500.00 RF3 Mile Point: 3.31 Distance from RF3: 0.05 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED AT THE BANK ST. BRIDGE, IN AKRON. COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST DISTRICT OFFICE, (216) 425-9171. SAMPLES ANALYZED BY THE OHIO EPA

Parameter Inventory for Station: CUVA0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/17/86	5	18.	20.2	25.	16.	16.2	4.025	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/17/86	5	748.	637.2	781.	407.	32073.7	179.091	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/17/86	5	8.4	8.38	9.5	7.4	0.802	0.896	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/17/86	5 ##	10.	17.8	32.	10.	117.2	10.826	**	**	**	**
00400	PH (STANDARD UNITS)	07/09/86-08/21/86	4	8.4	8.35	8.6	8.	0.063	0.252	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/09/86-08/21/86	4	8.4	8.291	8.6	8.	0.068	0.261	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/86-08/21/86	4	0.004	0.005	0.01	0.003	0.	0.003	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/17/86-09/17/86	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/17/86-09/17/86	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/17/86-09/17/86	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/17/86	5	5.	9.4	19.	2.5	70.175	8.377	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/17/86	5	0.06	0.097	0.21	0.025	0.006	0.076	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/17/86	4 ##	0.01	0.013	0.02	0.01	0.	0.005	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/17/86	5	0.9	0.78	0.9	0.4	0.047	0.217	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/17/86	5	0.23	0.266	0.4	0.17	0.008	0.088	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/17/86	5 ##	0.025	0.047	0.09	0.025	0.001	0.031	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/17/86	5	275.	260.	384.	179.	7211.	84.918	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/17/86	5	79.6	74.44	113.	48.	720.073	26.834	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/17/86	5	18.5	18.02	24.7	13.9	18.817	4.338	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/17/86	5	3.	2.8	4.	1.	1.2	1.095	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/17/86	5 ##	0.1	0.14	0.3	0.1	0.008	0.089	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/17/86	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/17/86	5	3.	3.6	5.	2.	1.8	1.342	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/17/86	5	420.	614.	1020.	290.	132880.	364.527	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/17/86	5	3.	4.4	7.	2.	5.8	2.408	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/17/86	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/17/86	5	35.	40.	60.	15.	387.5	19.685	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	4 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/17/86	5	512.	472.4	688.	298.	23632.8	153.73	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0035

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	5	0	0.00									
		Drinking Water	50.	5	0	0.00	5	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	0	0.00	5	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	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: CUVA0036

NPS Station ID: CUVA0036
LAT/LON: 41.073892/ -81.527781
Agency: 12OHDO
Date Created: / /
Location: B. F. GOODRICH - EFFL. COE009
FIPS State/County: 39000 OHIO/
Station Type: /TYPA/IND/TREATD/OUTFL/STREAM
STORET Station ID(s): 390173
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05040001
Depth of Water: 999
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER - OHIO CANAL, AKRON, OHIO
ECO Region:
RF1 Index: 05040001
RF1 Mile Point: 0.000
Distance from RF1: 18.60
On/Off RF1:
RF3 Index: 05040001012300.00
RF3 Mile Point: 0.00
Distance from RF3: 1.03
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/72-04/12/72	1	14.5	14.5	14.5	14.5	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	04/12/72-04/12/72	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	04/12/72-04/12/72	1	23.3	23.3	23.3	23.3	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/12/72-04/12/72	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/12/72-04/12/72	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/12/72-04/12/72	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/12/72-04/12/72	1	706.	706.	706.	706.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/72-04/12/72	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	04/12/72-04/12/72	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	04/12/72-04/12/72	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/72-04/12/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	04/12/72-04/12/72	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/12/72-04/12/72	1	300.	300.	300.	300.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	04/12/72-04/12/72	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	04/12/72-04/12/72	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	04/12/72-04/12/72	1 ##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
01152	TITANIUM, TOTAL (UG/L AS TI)	04/12/72-04/12/72	1 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/72-04/12/72	1	639.	639.	639.	639.	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/12/72-04/12/72	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: CUVA0036

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00							1	0	0.00			
01025	CADMIUM, DISSOLVED	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			
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00							1	1	1.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: CUVA0036

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	1	1.00							1	1	1.00			
		Drinking Water	15.	1	1	1.00							1	1	1.00			
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			

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

Station Inventory for Station: CUVA0037

NPS Station ID: CUVA0037
LAT/LON: 41.076115/ -81.524726
Agency: 21OHIO
Date Created: 12/06/86
Location: OHIO CANAL AT AKRON - CEDAR ST. (RM 1.30)
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): F01A02
RMI-Indexes: 0603002 000940 00060
Within Park Boundary: No
RMI-Miles: 0042.27 0002.04 001.30
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 04110002000200.00
RF3 Mile Point: 4.08
Distance from RF3: 0.01
On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED AT THE CEDAR ST. BRIDGE IN AKRON; JUST SOUTH OF WEST EXCHANGE ST.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/86-09/18/86	5	24.5	23.4	26.	18.	10.425	3.229	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/22/86-09/18/86	4	911.	920.5	1110.	750.	22734.333	150.779	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/22/86-09/18/86	5	1080.	1028.	1140.	901.	13065.5	114.304	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/86-09/18/86	5	6.8	6.78	7.3	6.1	0.187	0.432	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/22/86-09/18/86	4 ##	15.5	15.75	22.	10.	44.25	6.652	**	**	**	**
00400	PH (STANDARD UNITS)	07/22/86-09/18/86	5	7.6	7.7	8.1	7.5	0.055	0.235	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/22/86-09/18/86	5	7.6	7.659	8.1	7.5	0.057	0.239	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/86-09/18/86	5	0.025	0.022	0.032	0.008	0.	0.009	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/22/86-09/18/86	5	6.	8.6	18.	2.5	49.675	7.048	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/86-09/18/86	5 ##	0.025	0.039	0.06	0.025	0.	0.019	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/18/86	5 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/86-09/18/86	5	0.8	3.14	10.6	0.7	18.168	4.262	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/22/86-09/18/86	5 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/22/86-09/18/86	5	0.11	0.285	1.12	0.025	0.219	0.468	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/86-09/18/86	5	252.	254.6	287.	211.	854.3	29.228	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/22/86-09/18/86	5	74.4	74.4	85.7	61.4	89.385	9.454	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/22/86-09/18/86	5	17.7	16.7	17.9	13.9	2.935	1.713	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/22/86-09/18/86	5	111.	111.02	134.	86.1	348.252	18.662	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/22/86-09/18/86	5	200.	196.8	234.	150.	1063.2	32.607	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/22/86-09/18/86	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/22/86-09/18/86	5	4.	9.4	30.	3.	133.8	11.567	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/22/86-09/18/86	5	400.	654.	1340.	220.	254980.	504.955	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/22/86-09/18/86	5	2.	4.2	9.	2.	10.2	3.194	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/12/86-09/18/86	4 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/22/86-09/18/86	5	30.	36.	55.	20.	317.5	17.819	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/12/86-08/27/86	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/22/86-09/18/86	5	596.	616.	710.	534.	4510.	67.157	**	**	**	**

** - 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: CUVA0037

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	5	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	5	0	0.00									
		Drinking Water	250.	5	0	0.00	5	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	1	0.20	5	1	0.20									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	0	0.00	5	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	4	0	0.00									
		Drinking Water	100.	4	0	0.00	4	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	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: CUVA0038

NPS Station ID: CUVA0038 LAT/LON: 41.079865/ -81.521948 Agency: 21OHIO Date Created: 09/17/88
Location: OHIO CANAL DST STATE ST. IN AKRON (RM=1.05) FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM/BIO STORET Station ID(s): F01T03
RMI-Indexes: 0603002 000940 00060 Within Park Boundary: No
RMI-Miles: 0042.27 0002.04 001.05
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002002 RF1 Mile Point: 1.050 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 05040001010900.00 RF3 Mile Point: 0.00 Distance from RF3: 0.12 On/Off RF3:
Description:
PURPOSE - OHIO EPA WQ STUDY. LOCATION - OHIO CANAL JUST DST OF STATE STREET IN AKRON AT THE TRANSOHIO GARAGE, RIVER MILE 1.05, JUST EAST OF CHILDRENS HOSPITAL. COLLECTION - 1987 SAMPLING CONDUCTED BY NEDO.

Parameter Inventory for Station: CUVA0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34020	XYLENES IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	10/07/87-10/07/87	1 ##	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE TOTWUG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	10/07/87-10/07/87	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
77128	STYRENE WHOLE WATER,UG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77135	O-XYLENE WHOLE WATER,UG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	10/07/87-10/07/87	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0038

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a 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									
32105	DIBROMOCHLOROMETHANE, 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									
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00	1	0	0.00									
		Drinking Water	1000.	1	0	0.00	1	0	0.00									
34020	XYLENES IN WTR SMPLE GC-MS, HEXADECONE E	Drinking Water	10000.	1	0	0.00	1	0	0.00									
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00	1	0	0.00									
		Drinking Water	700.	1	0	0.00	1	0	0.00									
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00	1	0	0.00									
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00	1	0	0.00									
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00	1	0	0.00									
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00	1	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
77128	STYRENE, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00									
77651	1,2-DIBROMOETHANE, WHOLE WATER	Drinking Water	0.05	0 &	0	0.00												

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

Station Inventory for Station: CUVA0039

NPS Station ID: CUVA0039 | LAT/LON: 41.086115/ -81.486948 | Agency: 21OHIO | Date Created: 11/08/86
Location: CHESSIE TRIB AT AKRON - EASTWOOD AVE. (RM 0.05) | FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): F01S90
RMI-Indexes: 0603002 000940 00110 | Within Park Boundary: No
RMI-Miles: 0042.27 0004.11 000.05
HUC: 04110002 | Depth of Water: 0 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER | ECO Region:
RF1 Index: 04110002002 | RF1 Mile Point: 3.080 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 04110002043000.25 | RF3 Mile Point: 0.25 | Distance from RF3: 0.01 | On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED AT THE EASTWOOD AVE. BRIDGE, JUST UPSTREAM FROM THE CONFLUENCE WITH THE LITTLE CUYAHOGA RIVER.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/17/86	5	11.	13.2	19.	9.	20.2	4.494	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/17/86	5	825.	756.2	869.	514.	22044.7	148.475	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/17/86	5	9.9	9.8	11.1	8.7	0.8	0.894	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/17/86	5 ##	10.	13.4	27.	10.	57.8	7.603	**	**	**	**
00400	PH (STANDARD UNITS)	07/09/86-08/21/86	4	8.15	8.15	8.3	8.	0.017	0.129	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/09/86-08/21/86	4	8.147	8.136	8.3	8.	0.017	0.13	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/86-08/21/86	4	0.007	0.007	0.01	0.005	0.	0.002	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/17/86-09/17/86	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/17/86-09/17/86	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/17/86-09/17/86	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/17/86	5 ##	2.5	3.	5.	2.5	1.25	1.118	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/17/86	5 ##	0.025	0.037	0.06	0.025	0.	0.017	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/17/86	4 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/17/86	5	0.2	0.22	0.3	0.1	0.007	0.084	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/17/86	5	0.16	0.22	0.49	0.11	0.024	0.154	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/17/86	5 ##	0.025	0.03	0.05	0.025	0.	0.011	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/17/86	5	418.	390.	437.	258.	5510.5	74.233	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/17/86	5	122.	113.88	128.	75.4	469.972	21.679	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/17/86	5	27.6	25.7	28.5	17.	24.03	4.902	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/17/86	5 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/17/86	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/17/86	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/17/86	5	1.	2.52	5.	0.7	5.137	2.266	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/17/86	5	530.	610.	840.	530.	18050.	134.35	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/17/86	5	2.	2.	3.	1.	1.	1.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/17/86	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/17/86	5	15.	12.	15.	5.	20.	4.472	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	4 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/17/86	5	644.	630.2	746.	457.	11209.2	105.874	**	**	**	**

** - 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: CUVA0039

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	5	0	0.00									
		Drinking Water	50.	5	0	0.00	5	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	0	0.00	5	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	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: CUVA0040

NPS Station ID: CUVA0040 LAT/LON: 41.087503/ -81.490837 Agency: 21OHIO Date Created: 11/22/86
Location: L. CUYAHOGA R. AT AKRON - NORTH ST. (EAST) FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S81
RMI-Indexes: 0603002 000940 Within Park Boundary: No
RMI-Miles: 0042.27 0003.85
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002002 RF1 Mile Point: 2.880 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 05040001012600.00 RF3 Mile Point: 1.24 Distance from RF3: 0.08 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED AT THE EAST CROSSING OF NORTH ST. IN AKRON; DOWNSTREAM FROM THE CONFLUENCE OF THE CHESSIE TRIBUTARY.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/18/91	11	20.5	19.591	25.	15.	10.941	3.308	15.	16.	22.	24.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/18/91	11	620.	616.364	800.	380.	27258.655	165.102	392.	451.	781.	797.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/18/91	11	8.2	8.127	9.4	6.6	0.656	0.81	6.74	7.6	8.8	9.34
00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/18/91	11	17.	17.818	39.	5.	99.364	9.968	6.	10.	26.	37.
00400	PH (STANDARD UNITS)	07/09/86-09/18/91	10	8.3	8.16	8.4	7.6	0.058	0.241	7.64	8.	8.3	8.39
00400	CONVERTED PH (STANDARD UNITS)	07/09/86-09/18/91	10	8.3	8.086	8.4	7.6	0.064	0.254	7.64	8.	8.3	8.39
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/86-09/18/91	10	0.005	0.008	0.025	0.004	0.	0.006	0.004	0.005	0.01	0.024
00403	PH, LAB, STANDARD UNITS SU	09/17/86-09/17/86	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/17/86-09/17/86	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/17/86-09/17/86	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/18/91	11 ##	2.5	7.545	29.	2.5	70.523	8.398	2.5	2.5	14.	26.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/18/91	11	0.08	0.208	1.61	0.025	0.217	0.466	0.025	0.025	0.1	1.312
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/18/91	10	0.02	0.031	0.08	0.01	0.001	0.023	0.01	0.01	0.05	0.077
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/18/91	11	0.5	0.645	2.2	0.2	0.299	0.547	0.22	0.4	0.8	1.92
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/18/91	11	0.38	0.425	1.05	0.15	0.075	0.274	0.158	0.21	0.66	0.976
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/18/91	11	0.08	0.082	0.22	0.025	0.004	0.062	0.025	0.025	0.11	0.206
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/11/91-09/18/91	6 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/18/91	11	297.	270.455	381.	152.	5175.273	71.939	161.8	204.	326.	373.2
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/18/91	11	86.	78.445	112.	46.	439.681	20.969	47.9	57.2	94.9	109.06
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/18/91	11	20.	18.1	24.5	9.	23.788	4.877	9.8	14.2	21.5	24.42
00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/91-09/18/91	6	78.5	73.833	86.	51.	198.967	14.106	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/18/91	11 ##	1.	1.727	4.	1.	1.218	1.104	1.	1.	3.	3.8
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/18/91	11 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/18/91	10 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/18/91	11 ##	5.	4.182	5.	2.	1.964	1.401	2.	2.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	07/09/86-08/28/91	6	380.	546.667	1020.	210.	133026.667	364.728	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/18/91	11	2.	4.091	11.	1.	13.691	3.7	1.	1.	7.	10.6
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/18/91	11 ##	20.	20.	20.	20.	0.	0.	20.	20.	20.	20.
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/18/91	11	25.	24.091	55.	5.	199.091	14.11	6.	15.	30.	52.
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-09/18/91	9 ##	5.	6.667	10.	5.	6.25	2.5	5.	5.	10.	10.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/18/91	11	516.	508.909	846.	310.	25738.691	160.433	315.6	372.	562.	816.

** - Less than 9 observations ## - 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: CUVA0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/11/91-09/18/91	6 ##	0.75	1.417	3.4	0.5	1.606	1.267	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0040

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	11	0	0.00	11	0	0.00									
00400	PH	Other-Hi Lim.	9.	10	0	0.00	10	0	0.00									
		Other-Lo Lim.	6.5	10	0	0.00	10	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	10	0	0.00	10	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	11	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	6	0	0.00	6	0	0.00									
		Drinking Water	0.2	6	0	0.00	6	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	6	0	0.00	6	0	0.00									
		Drinking Water	250.	6	0	0.00	6	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	11	0	0.00	11	0	0.00									
		Drinking Water	50.	11	0	0.00	11	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	11	0	0.00	11	0	0.00									
		Drinking Water	5.	11	0	0.00	11	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	10	0	0.00	10	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	11	0	0.00	11	0	0.00									
		Drinking Water	1300.	11	0	0.00	11	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	11	0	0.00	11	0	0.00									
		Drinking Water	15.	11	0	0.00	11	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	11	0	0.00	11	0	0.00									
		Drinking Water	100.	11	0	0.00	11	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	11	0	0.00	11	0	0.00									
		Drinking Water	5000.	11	0	0.00	11	0	0.00									

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

Station Inventory for Station: CUVA0041

NPS Station ID: CUVA0041 LAT/LON: 41.090559/ -81.511116 Agency: 21OHIO Date Created: 01/24/87
Location: L. CUYAHOGA R. AT AKRON - ELIZABETH PARK FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01A15
RMI-Indexes: 0603002 000940 Within Park Boundary: No
RMI-Miles: 0042.27 0002.46
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002021600.00 RF3 Mile Point: 0.00 Distance from RF3: 0.02 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER BASIN.
LOCATION - SUMMIT CO.; LOCATED AT THE BRIDGE NEAR ELIZABETH PARK, JUST UPSTREAM FROM NORTH MAIN ST.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/86-12/08/86	3	20.5	16.	21.	6.5	67.75	8.231	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/21/86-12/08/86	2	706.5	706.5	763.	650.	6384.5	79.903	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/86-12/08/86	3	620.	624.333	779.	474.	23270.333	152.546	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/21/86-12/08/86	3	7.8	8.367	9.5	7.8	0.963	0.981	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/21/86-08/27/86	2 ##	3.1	3.1	5.7	0.5	13.52	3.677	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	08/21/86-12/08/86	2 ##	25.	25.	40.	10.	450.	21.213	**	**	**	**
00400	PH (STANDARD UNITS)	08/21/86-12/08/86	3	8.1	7.867	8.2	7.3	0.243	0.493	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/21/86-12/08/86	3	8.1	7.668	8.2	7.3	0.302	0.55	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/21/86-12/08/86	3	0.008	0.021	0.05	0.006	0.001	0.025	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/21/86-12/08/86	3	26.	24.833	46.	2.5	474.083	21.773	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/86-12/08/86	3	0.15	0.273	0.62	0.05	0.093	0.304	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/21/86-12/08/86	3	0.05	0.047	0.08	0.01	0.001	0.035	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/21/86-12/08/86	3	1.2	0.967	1.4	0.3	0.343	0.586	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/86-12/08/86	3	0.51	1.67	4.18	0.32	4.734	2.176	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/21/86-12/08/86	3	0.27	0.227	0.27	0.14	0.006	0.075	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/27/86-08/27/86	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/21/86-12/08/86	3	249.	255.667	312.	206.	2842.333	53.314	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/86-12/08/86	3	73.2	74.267	91.9	57.7	293.263	17.125	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/86-12/08/86	3	16.	17.067	20.1	15.1	7.103	2.665	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	12/08/86-12/08/86	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/86-12/08/86	3	61.	62.	87.	38.	601.	24.515	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/27/86-12/08/86	2	77.5	77.5	83.	72.	60.5	7.778	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/86-08/27/86	2	3.	3.	3.	3.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/86-12/08/86	3	0.2	0.433	1.	0.1	0.243	0.493	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/86-12/08/86	3 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/21/86-12/08/86	3 ##	5.	4.	5.	2.	3.	1.732	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/21/86-12/08/86	3	3000.	2080.	3010.	230.	2566900.	1602.155	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/21/86-12/08/86	3	2.	10.667	29.	1.	252.333	15.885	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/21/86-12/08/86	3 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/21/86-12/08/86	3	25.	36.667	80.	5.	1508.333	38.837	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/86-12/08/86	3 ##	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: CUVA0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/21/86-12/08/86	3	384.	436.667	556.	370.	10729.333	103.582	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: CUVA0041

				Total	Exceed	Prop.	----------7/01-10/31----------			----------11/01-3/14----------			----------3/15-6/30----------			----------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	Fresh Acute	4.	3	0	0.00	2	0	0.00	1	0	0.00						
00400	PH	Other-Hi Lim.	9.	3	0	0.00	2	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	2	0	0.00	1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	2	0	0.00	1	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	2	0	0.00	1	0	0.00						
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	250.	3	0	0.00	2	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
01027	CADMIUM, TOTAL	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						
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
01042	COPPER, TOTAL	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						
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	15.	3	1	0.33	2	1	0.50	1	0	0.00						
01067	NICKEL, TOTAL	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						
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	5000.	3	0	0.00	2	0	0.00	1	0	0.00						

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

Station Inventory for Station: CUVA0042

NPS Station ID: CUVA0042 | LAT/LON: 41.091115/ -81.517782 | Agency: 21OHIO | Date Created: 11/08/86
Location: OHIO CANAL AT AKRON - NORTH ST. (RM 0.18) | FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): F01A01
RMI-Indexes: 0603002 000940 00060 | Within Park Boundary: No
RMI-Miles: 0042.27 0002.04 000.18
HUC: 04110002 | Depth of Water: 0 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER | ECO Region:
RF1 Index: 04110002002 | RF1 Mile Point: 1.550 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 05040001003008.22 | RF3 Mile Point: 8.22 | Distance from RF3: 0.05 | On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED AT THE NORTH ST. BRIDGE, JUST UPSTREAM CONFLUENCE WITH THE LITTLE CUYAHOGA RIVER.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/86-09/18/86	5	23.	23.1	26.	18.5	8.925	2.987	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/22/86-09/18/86	4	926.	890.5	1100.	610.	43641.	208.904	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/22/86-09/18/86	5	1060.	977.	1100.	745.	23095.	151.97	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/86-09/18/86	5	7.8	7.68	7.8	7.3	0.047	0.217	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/22/86-09/18/86	4	31.	30.5	50.	10.	309.667	17.597	**	**	**	**
00400	PH (STANDARD UNITS)	07/22/86-09/18/86	5	7.7	7.8	8.2	7.5	0.085	0.292	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/22/86-09/18/86	5	7.7	7.73	8.2	7.5	0.091	0.302	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/86-09/18/86	5	0.02	0.019	0.032	0.006	0.	0.01	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/22/86-09/18/86	5	6.	13.1	44.	2.5	302.3	17.387	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/86-09/18/86	5	0.12	0.15	0.3	0.05	0.009	0.096	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/18/86	5	0.02	0.018	0.03	0.01	0.	0.008	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/86-09/18/86	5	1.1	1.18	1.6	0.9	0.097	0.311	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/22/86-09/18/86	5 ##	0.05	0.108	0.24	0.05	0.007	0.086	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/22/86-09/18/86	5	0.08	0.155	0.43	0.025	0.026	0.162	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/86-09/18/86	5	260.	249.6	279.	187.	1415.8	37.627	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/22/86-09/18/86	5	76.8	73.1	82.4	55.2	129.6	11.384	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/22/86-09/18/86	5	17.6	16.3	17.7	11.9	6.265	2.503	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/22/86-09/18/86	5	110.	106.	133.	81.	491.5	22.17	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/22/86-09/18/86	5	149.	175.	234.	139.	1925.5	43.881	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/22/86-09/18/86	5 ##	0.1	0.16	0.3	0.1	0.008	0.089	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/22/86-09/18/86	5	5.	8.	15.	3.	31.	5.568	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/22/86-09/18/86	5	430.	986.	3440.	200.	1909880.	1381.984	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/22/86-09/18/86	5	6.	9.	31.	1.	157.5	12.55	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/22/86-09/18/86	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/22/86-09/18/86	5	25.	37.	100.	5.	1357.5	36.844	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/12/86-09/18/86	3 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/22/86-09/18/86	5	622.	617.6	718.	504.	7560.8	86.953	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0042

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	5	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	5	0	0.00									
		Drinking Water	250.	5	0	0.00	5	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	1	0.20	5	1	0.20									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	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: CUVA0043

NPS Station ID: CUVA0043 LAT/LON: 41.092504/ -81.516948 Agency: 21OHIO Date Created: 11/15/86
Location: L. CUYAHOGA R. AT AKRON - CUYAHOGA ST. (RM 2.14) FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S99
RMI-Indexes: 0603002 000940 Within Park Boundary: No
RMI-Miles: 0042.27 0002.14
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002002 RF1 Mile Point: 1.410 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002000205.20 RF3 Mile Point: 5.62 Distance from RF3: 0.17 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED AT THE CUYAHOGA ST. BRIDGE, JUST UPSTREAM FROM THE CONFLUENCE OF THE OHIO CANAL.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/86-09/18/86	5	20.5	20.2	24.	17.5	6.825	2.612	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/22/86-09/18/86	4	650.	651.25	760.	545.	7706.25	87.785	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/22/86-09/18/86	5	622.	644.4	786.	476.	18690.8	136.714	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/86-09/18/86	5	7.8	7.8	8.3	7.1	0.27	0.52	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/22/86-09/18/86	5 ##	10.	29.8	83.	10.	1011.2	31.799	**	**	**	**
00400	PH (STANDARD UNITS)	07/22/86-09/18/86	5	7.5	7.7	8.2	7.3	0.175	0.418	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/22/86-09/18/86	5	7.5	7.566	8.2	7.3	0.197	0.444	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/86-09/18/86	5	0.032	0.027	0.05	0.006	0.	0.019	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/22/86-09/18/86	4	20.	72.125	246.	2.5	13558.729	116.442	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/86-09/18/86	5	0.25	0.199	0.38	0.025	0.021	0.144	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/18/86	5	0.03	0.04	0.08	0.01	0.001	0.026	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/86-09/18/86	5	0.9	1.2	2.5	0.4	0.735	0.857	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/22/86-09/18/86	5	0.35	0.4	0.56	0.27	0.016	0.128	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/22/86-09/18/86	5	0.12	0.175	0.5	0.025	0.035	0.186	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/86-09/18/86	5	260.	256.6	310.	214.	1470.8	38.351	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/22/86-09/18/86	5	76.3	74.56	91.3	62.3	154.178	12.417	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/22/86-09/18/86	5	17.	17.1	20.	14.2	4.27	2.066	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/27/86-09/18/86	2	32.	32.	38.	26.	72.	8.485	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/18/86-09/18/86	1	46.	46.	46.	46.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	03/25/87-03/25/87	1	7.75	7.75	7.75	7.75	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/22/86-09/18/86	5 ##	0.1	0.28	1.	0.1	0.162	0.402	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/25/87-03/25/87	1	1.05	1.05	1.05	1.05	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/25/87-03/25/87	1	30.8	30.8	30.8	30.8	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/22/86-09/18/86	5	6.	14.4	46.	2.	338.3	18.393	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	03/25/87-03/25/87	1	51.6	51.6	51.6	51.6	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/22/86-09/18/86	5	920.	2794.	11500.	210.	23816330.	4880.198	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/22/86-09/18/86	5	7.	27.4	120.	1.	2690.3	51.868	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	03/25/87-03/25/87	1	263.	263.	263.	263.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/22/86-09/18/86	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/25/87-03/25/87	1	12.6	12.6	12.6	12.6	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/22/86-09/18/86	5	30.	94.	380.	5.	25817.5	160.678	**	**	**	**

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

Parameter Inventory for Station: CUVA0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/25/87-03/25/87	1	288.	288.	288.	288.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	03/25/87-03/25/87	1	15000.	15000.	15000.	15000.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/22/86-09/18/86	4	380.	410.5	532.	350.	6763.667	82.242	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0043

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	5	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	1	0.20	5	1	0.20									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	1	0.20	5	1	0.20									
		Drinking Water	15.	5	1	0.20	5	1	0.20									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	1	0.20	5	1	0.20									
		Drinking Water	5000.	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: CUVA0044

NPS Station ID: CUVA0044 LAT/LON: 41.094448/ -81.521671 Agency: 21OHIO Date Created: / /
Location: L. CUYAHOGA R. AT AKRON - OTTO ST GAGE (RM 1.85) FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 502080 /P0802
RMI-Indexes: 0603002 000940 Within Park Boundary: No
RMI-Miles: 0042.27 0001.85
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002002 RF1 Mile Point: 1.110 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002040600.00 RF3 Mile Point: 0.00 Distance from RF3: 0.03 On/Off RF3:
Description:
PURPOSE - PWQMN STATION - MONITOR QUALITY BEFORE ITS CONFLUENCE WITH ANOTHER STREAM. (CUYAHOGA R.)
LOCATION - SUMMIT CO.; END OF OTTO ST. WHICH INTERSECTS WITH CUYAHOGA ST. .5 MI. FROM TALLMADGE AVE.
COLLECTION - OHIO EPA - NORTHEAST DIST. - 216-425-9171

Parameter Inventory for Station: CUVA0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/73-09/18/86	58	19.9	17.307	27.5	3.5	49.058	7.004	6.	10.725	23.	25.23
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/08/73-08/27/86	37	48.	53.108	122.	19.	730.321	27.024	23.2	34.	63.	103.
00065	STAGE, STREAM (FEET)	08/19/76-09/18/86	11	1.71	2.583	5.2	1.35	1.686	1.299	1.388	1.54	3.5	4.944
00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/24/75-11/18/76	12	3.4	3.442	6.2	0.9	1.955	1.398	1.32	2.475	4.275	5.84
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-09/18/86	27	695.	899.185	3080.	350.	447510.772	668.962	489.	600.	825.	2180.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/73-09/18/86	25	700.	686.04	1010.	285.	38406.04	195.975	404.6	525.	844.	943.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/08/73-09/18/86	56	8.15	8.546	12.8	4.4	3.936	1.984	5.88	7.525	10.2	11.5
00310	BOD, 5 DAY, 20 DEG C MG/L	08/22/73-09/24/84	38	4.35	6.65	48.	1.4	83.434	9.134	2.09	3.	5.4	11.25
00335	COD, .025N K2CR2O7 MG/L	08/08/73-09/18/86	56	20.	28.509	112.	4.	586.436	24.216	8.	16.	31.	63.74
00400	PH (STANDARD UNITS)	08/15/73-09/18/86	39	7.7	7.605	9.2	6.5	0.404	0.636	6.7	7.	8.1	8.4
00400	CONVERTED PH (STANDARD UNITS)	08/15/73-09/18/86	39	7.7	7.223	9.2	6.5	0.554	0.744	6.7	7.	8.1	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/73-09/18/86	39	0.02	0.06	0.316	0.001	0.006	0.077	0.004	0.008	0.1	0.2
00403	PH, LAB, STANDARD UNITS SU	08/08/73-06/18/81	19	7.8	7.8	8.2	7.4	0.05	0.224	7.5	7.6	8.	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	08/08/73-06/18/81	19	7.8	7.745	8.2	7.4	0.053	0.231	7.5	7.6	8.	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/73-06/18/81	19	0.016	0.018	0.04	0.006	0.	0.01	0.008	0.01	0.025	0.032
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/24/75-09/30/76	4	135.	127.25	148.	91.	622.25	24.945	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/24/75-09/30/76	4	2.5	2.25	4.	0.	2.917	1.708	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	08/08/73-10/20/76	28	490.	500.357	674.	348.	7085.72	84.177	385.6	430.75	556.	645.2
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/73-10/18/79	39	482.	559.436	1620.	270.	79850.621	282.579	356.	443.	564.	808.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/08/73-09/18/86	49	10.	22.908	245.	2.5	1915.642	43.768	2.5	10.	15.5	44.
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	08/15/73-09/30/76	8	0.6	1.65	5.	0.3	4.291	2.072	**	**	**	**
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	09/30/80-09/30/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/08/73-09/18/86	61	0.25	0.452	3.83	0.	0.601	0.775	0.002	0.1	0.39	0.946
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/08/73-09/18/86	42	0.065	0.104	0.53	0.	0.012	0.109	0.02	0.04	0.14	0.224
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/08/73-09/18/86	61	1.	1.336	6.9	0.	1.542	1.242	0.52	0.7	1.4	2.64
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/08/73-09/18/86	60	0.5	0.567	3.52	0.08	0.233	0.483	0.191	0.24	0.7	0.909
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/24/75-12/24/75	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/29/76-03/25/76	3	0.08	0.093	0.15	0.05	0.003	0.051	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/08/73-09/18/86	61	0.16	0.235	1.36	0.	0.073	0.269	0.072	0.1	0.247	0.484
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/01/77-07/21/77	2	0.275	0.275	0.45	0.1	0.061	0.247	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/03/73-12/20/79	29	8.5	12.914	52.	0.	161.876	12.723	3.	5.25	15.5	32.

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

Parameter Inventory for Station: CUVA0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/29/73-06/18/80	20	0.01	0.059	1.03	0.	0.052	0.229	0.	0.01	0.01	0.01
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/26/74-09/18/86	42	239.5	236.524	328.	134.	1427.621	37.784	194.	212.	260.5	271.7
00916	CALCIUM, TOTAL (MG/L AS CA)	12/24/75-09/18/86	14	73.8	70.564	91.6	49.6	115.556	10.75	52.8	63.	76.65	86.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	12/24/75-09/18/86	14	17.3	16.757	22.	11.2	8.381	2.895	11.6	14.9	19.	20.6
00929	SODIUM, TOTAL (MG/L AS NA)	12/24/75-01/13/77	5	78.	89.	150.	58.	1312.	36.222	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	12/24/75-09/30/76	4	3.45	3.5	4.2	2.9	0.3	0.548	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/08/73-09/18/86	46	110.	155.326	748.	48.	20503.38	143.19	65.	91.75	152.5	277.8
00945	SULFATE, TOTAL (MG/L AS SO4)	08/08/73-09/30/76	14	93.	89.071	113.	53.	269.918	16.429	61.	75.5	98.5	111.5
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/24/73-10/18/79	20	0.3	0.359	0.85	0.2	0.032	0.18	0.211	0.233	0.425	0.737
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/80-06/18/81	3	0.32	0.293	0.32	0.24	0.002	0.046	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/21/77-07/21/77	1	9.6	9.6	9.6	9.6	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/13/73-09/18/86	12	5.5	6.333	10.	0.	12.788	3.576	0.6	4.	10.	10.
01007	BARIUM, TOTAL (UG/L AS BA)	07/13/73-09/29/77	8	200.	187.5	300.	100.	4107.143	64.087	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/13/73-09/18/86	31 ##	2.5	3.4	10.	0.	10.483	3.238	0.1	0.1	5.	10.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	07/13/73-09/30/76	8	30.	20.5	30.	0.	190.571	13.805	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/13/73-09/24/84	26	17.5	21.346	40.	0.	101.115	10.056	10.5	15.	30.	30.
01042	COPPER, TOTAL (UG/L AS CU)	07/13/73-09/18/86	47	30.	30.319	290.	0.	1819.309	42.653	4.6	10.	30.	56.8
01045	IRON, TOTAL (UG/L AS FE)	10/24/73-09/18/86	33	570.	1461.515	13400.	220.	6433419.508	2536.419	288.	425.	1215.	4464.
01046	IRON, DISSOLVED (UG/L AS FE)	09/05/73-09/12/73	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/13/73-09/18/86	42	10.	17.202	163.	0.	824.623	28.716	0.3	3.	20.	43.3
01055	MANGANESE, TOTAL (UG/L AS MN)	07/13/73-08/03/77	9	120.	151.111	300.	100.	4786.111	69.182	100.	105.	195.	300.
01067	NICKEL, TOTAL (UG/L AS NI)	02/16/78-09/18/86	23 ##	50.	52.174	100.	20.	1199.605	34.635	20.	20.	100.	100.
01077	SILVER, TOTAL (UG/L AS AG)	07/13/73-09/30/76	5	30.	24.	30.	0.	180.	13.416	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	09/26/73-10/24/73	2	250.	250.	300.	200.	5000.	70.711	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/13/73-09/18/86	40	40.	56.275	400.	0.	4058.871	63.709	10.5	30.	70.	90.
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/31/73-01/09/75	3	800.	1200.	2200.	600.	760000.	871.78	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/13/73-02/17/77	7	5.	5.714	10.	0.	20.238	4.499	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/08/73-09/24/84	47	11000.	103428.085	2100000.	70.111	874742154.949	334476.819	1096.	2600.	59000.	158000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/08/73-09/24/84	47	4.041	4.111	6.322	1.845	0.794	0.891	3.04	3.415	4.771	5.197
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12909.032								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/08/73-06/18/81	48	6450.	35033.333	750000.	130.142	43039209.929	119344.205	588.	1450.	16750.	41700.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	08/08/73-06/18/81	48	3.809	3.763	5.875	2.114	0.587	0.766	2.768	3.161	4.224	4.609
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			5787.954								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/08/73-09/24/84	51	7.	15.51	180.	0.	888.455	29.807	0.4	4.	14.	32.6
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/08/73-06/18/81	45	0.16	0.252	1.82	0.08	0.088	0.297	0.106	0.125	0.22	0.608
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	12/15/76-09/29/77	2 ##	0.263	0.263	0.5	0.025	0.113	0.336	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/20/79-09/18/86	17	472.	451.294	662.	126.	17056.971	130.602	266.8	383.	529.	652.4
71900	MERCURY, TOTAL (UG/L AS HG)	07/13/73-09/17/84	23	0.5	0.478	2.5	0.	0.245	0.495	0.1	0.25	0.5	0.84

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

EPA Water Quality Criteria Analysis for Station: CUVA0044

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	12	0	0.00	4	0	0.00	4	0	0.00	4	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	56	0	0.00	30	0	0.00	12	0	0.00	14	0	0.00			
00400	PH	Other-Hi Lim.	9.	39	1	0.03	25	1	0.04	6	0	0.00	8	0	0.00			
		Other-Lo Lim.	6.5	39	1	0.03	25	0	0.00	6	0	0.00	8	1	0.13			
00403	PH, LAB	Other-Hi Lim.	9.	19	0	0.00	4	0	0.00	6	0	0.00	9	0	0.00			
		Other-Lo Lim.	6.5	19	0	0.00	4	0	0.00	6	0	0.00	9	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	42	0	0.00	20	0	0.00	10	0	0.00	12	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	60	0	0.00	30	0	0.00	13	0	0.00	17	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	20	1	0.05	6	1	0.17	6	0	0.00	8	0	0.00			
		Drinking Water	0.2	20	1	0.05	6	1	0.17	6	0	0.00	8	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	46	0	0.00	21	0	0.00	11	0	0.00	14	0	0.00			
		Drinking Water	250.	46	5	0.11	21	4	0.19	11	1	0.09	14	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	14	0	0.00	8	0	0.00	3	0	0.00	3	0	0.00			
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	20	0	0.00	7	0	0.00	5	0	0.00	8	0	0.00			
00951	FLOURIDE, TOTAL AS F	Drinking Water	4.	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: CUVA0044

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01002	ARSENIC, TOTAL	Fresh Acute	360.	12	0	0.00	9	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	50.	12	0	0.00	9	0	0.00	1	0	0.00	2	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	8	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	31	13	0.42	16	4	0.25	5	3	0.60	10	6	0.60			
		Drinking Water	5.	31	13	0.42	16	4	0.25	5	3	0.60	10	6	0.60			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	8	5	0.63	2	1	0.50	3	1	0.33	3	3	1.00			
		Drinking Water	100.	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	26	0	0.00	11	0	0.00	6	0	0.00	9	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	47	29	0.62	21	9	0.43	10	7	0.70	16	13	0.81			
		Drinking Water	1300.	47	0	0.00	21	0	0.00	10	0	0.00	16	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	42	2	0.05	18	1	0.06	10	1	0.10	14	0	0.00			
		Drinking Water	15.	42	13	0.31	18	5	0.28	10	3	0.30	14	5	0.36			
01067	NICKEL, TOTAL	Fresh Acute	1400.	23	0	0.00	12	0	0.00	4	0	0.00	7	0	0.00			
		Drinking Water	100.	23	7	0.30	12	1	0.08	4	3	0.75	7	3	0.43			
01077	SILVER, TOTAL	Fresh Acute	4.1	5	4	0.80	2	1	0.50	1	1	1.00	2	2	1.00			
		Drinking Water	100.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	40	2	0.05	18	1	0.06	8	1	0.13	14	0	0.00			
		Drinking Water	5000.	40	0	0.00	18	0	0.00	8	0	0.00	14	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	50.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	47	46	0.98	22	21	0.95	10	10	1.00	15	15	1.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	22 &	0	0.00	8	0	0.00	5	0	0.00	9	0	0.00			
		Drinking Water	2.	22 &	0	0.00	8	0	0.00	5	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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/73-09/18/86	30	22.	21.47	27.5	15.5	12.299	3.507	16.	17.95	23.85	25.98
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/08/73-08/27/86	21	54.	54.952	111.	19.	495.148	22.252	26.4	41.5	64.5	93.2
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-09/18/86	16	805.	1071.875	3080.	350.	687489.583	829.15	455.	626.25	938.75	2954.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/73-09/18/86	22	725.	728.	1010.	421.	27706.857	166.454	462.	598.5	868.5	967.3
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/08/73-09/18/86	30	7.8	7.303	9.4	4.4	1.766	1.329	4.81	6.475	8.025	8.76
00310	BOD, 5 DAY, 20 DEG C MG/L	08/22/73-09/24/84	21	4.	7.633	48.	1.4	140.735	11.863	2.04	2.95	5.	31.7
00335	COD, .025N K2CR2O7 MG/L	08/08/73-09/18/86	30	21.	30.6	112.	4.	716.731	26.772	8.2	20.	28.	90.
00400	PH (STANDARD UNITS)	08/15/73-09/18/86	25	7.5	7.564	9.2	6.7	0.516	0.718	6.7	6.9	8.15	8.5
00400	CONVERTED PH (STANDARD UNITS)	08/15/73-09/18/86	25	7.5	7.161	9.2	6.7	0.685	0.828	6.7	6.9	8.15	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/73-09/18/86	25	0.032	0.069	0.2	0.001	0.006	0.074	0.003	0.007	0.129	0.2
00403	PH, LAB, STANDARD UNITS SU	08/08/73-06/18/81	4	7.5	7.5	7.6	7.4	0.007	0.082	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/08/73-06/18/81	4	7.5	7.494	7.6	7.4	0.007	0.082	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/73-06/18/81	4	0.032	0.032	0.04	0.025	0.	0.006	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/73-10/18/79	19	490.	637.	1620.	356.	139922.	374.061	384.	463.	565.	1580.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/08/73-09/18/86	20	10.	36.225	245.	2.5	4428.223	66.545	2.5	3.125	36.	189.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/08/73-09/18/86	31	0.12	0.559	3.83	0.	1.107	1.052	0.	0.07	0.41	3.03
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/08/73-09/18/86	20	0.05	0.1	0.53	0.	0.019	0.138	0.011	0.023	0.087	0.399
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/08/73-09/18/86	31	1.	1.539	6.9	0.	2.508	1.584	0.6	0.7	1.6	4.38
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/08/73-09/18/86	30	0.33	0.379	0.91	0.08	0.048	0.218	0.151	0.2	0.57	0.7
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/08/73-09/18/86	31	0.12	0.247	1.18	0.	0.088	0.296	0.038	0.1	0.273	0.858
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/03/73-12/20/79	11	13.	18.409	52.	0.	318.541	17.848	0.2	5.5	27.	51.4
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/26/74-09/18/86	16	261.	257.063	328.	170.	1651.529	40.639	202.2	233.5	271.5	321.7
00916	CALCIUM, TOTAL (MG/L AS CA)	12/24/75-09/18/86	11	74.6	71.173	91.6	49.6	125.056	11.183	52.22	63.1	77.1	89.36
00927	MAGNESIUM, TOTAL (MG/L AS MG)	12/24/75-09/18/86	11	17.4	17.145	22.	11.2	8.255	2.873	11.82	15.1	19.	21.44
00940	CHLORIDE,TOTAL IN WATER MG/L	08/08/73-09/18/86	21	113.	190.	748.	54.	39614.8	199.035	69.2	92.	155.	652.6
01002	ARSENIC, TOTAL (UG/L AS AS)	07/13/73-09/18/86	9	5.	5.111	10.	0.	10.861	3.296	0.	3.	8.	10.
01027	CADMIUM, TOTAL (UG/L AS CD)	07/13/73-09/18/86	16 ##	0.1	1.588	5.	0.	4.668	2.161	0.07	0.1	4.375	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/13/73-09/24/84	11 ##	15.	18.182	30.	0.	81.364	9.02	3.	15.	30.	30.
01042	COPPER, TOTAL (UG/L AS CU)	07/13/73-09/18/86	21	10.	16.667	56.	0.	206.733	14.378	3.	5.	30.	30.
01045	IRON, TOTAL (UG/L AS FE)	10/24/73-09/18/86	17	560.	2000.588	13400.	220.	11460255.882	3385.3	228.	305.	1680.	7640.
01051	LEAD, TOTAL (UG/L AS PB)	07/13/73-09/18/86	18	3.5	17.722	163.	0.	1458.448	38.19	0.	1.75	17.	57.7
01067	NICKEL, TOTAL (UG/L AS NI)	02/16/78-09/18/86	12 ##	20.	29.167	100.	20.	571.97	23.916	20.	20.	20.	85.
01092	ZINC, TOTAL (UG/L AS ZN)	07/13/73-09/18/86	18	30.	53.611	400.	0.	8061.193	89.784	0.	15.	70.	103.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/08/73-09/24/84	22	6350.	181688.182	2100000.	70.2309	48839844.156	480571.368	641.	1500.	68000.	792000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/08/73-09/24/84	22	3.801	4.017	6.322	1.845	1.273	1.128	2.785	3.176	4.823	5.893
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10392.107								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/08/73-06/18/81	21	6700.	65310.	750000.	130.31	427351160.	177277.61	640.	1250.	22500.	322600.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	08/08/73-06/18/81	21	3.826	3.85	5.875	2.114	0.844	0.919	2.803	3.094	4.347	5.458
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			7071.796								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/08/73-09/24/84	23	5.	17.783	180.	0.	1738.178	41.691	0.	2.	10.	73.
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/08/73-06/18/81	18	0.175	0.366	1.82	0.11	0.193	0.439	0.11	0.13	0.433	0.983
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/20/79-09/18/86	11	490.	490.	662.	304.	12227.2	110.577	318.	392.	550.	659.6

** - 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: 11/01 to 3/14 - Station CUVA0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/73-09/18/86	12	6.5	7.325	12.5	3.5	9.273	3.045	3.65	4.975	10.3	12.35
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/08/73-08/27/86	7	32.	49.714	114.	19.	1616.905	40.211	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-09/18/86	5	612.	616.2	856.	445.	22804.2	151.011	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/73-09/18/86	2	377.5	377.5	470.	285.	17112.5	130.815	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/08/73-09/18/86	12	11.	11.167	12.8	9.9	0.881	0.938	10.02	10.4	12.025	12.65
00310	BOD, 5 DAY, 20 DEG C MG/L	08/22/73-09/24/84	5	4.4	4.58	10.	1.7	10.967	3.312	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	08/08/73-09/18/86	9	36.	37.778	98.	4.	809.444	28.451	4.	16.	53.	98.
00400	PH (STANDARD UNITS)	08/15/73-09/18/86	6	7.6	7.667	8.	7.4	0.059	0.242	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/15/73-09/18/86	6	7.589	7.615	8.	7.4	0.062	0.249	**	**	**	**

** - Less than 9 observations ## - Computed 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: 11/01 to 3/14 - Station CUVA0044

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	08/15/73-09/18/86	6	0.026	0.024	0.04	0.01	0.	0.012	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/08/73-06/18/81	6	7.8	7.783	8.	7.5	0.03	0.172	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/08/73-06/18/81	6	7.8	7.753	8.	7.5	0.031	0.175	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/73-06/18/81	6	0.016	0.018	0.032	0.01	0.	0.008	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/73-10/18/79	10	480.	505.7	808.	270.	23149.344	152.149	279.8	388.25	615.	789.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/08/73-09/18/86	11	10.	14.091	36.	5.	69.091	8.312	6.	10.	17.	32.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/08/73-09/18/86	13	0.27	0.448	1.24	0.01	0.133	0.364	0.054	0.2	0.705	1.136
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/08/73-09/18/86	10	0.12	0.14	0.35	0.06	0.008	0.092	0.06	0.06	0.185	0.338
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/08/73-09/18/86	13	0.9	1.182	3.03	0.3	0.598	0.773	0.34	0.6	1.715	2.618
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/08/73-09/18/86	13	0.64	0.727	1.45	0.5	0.06	0.244	0.516	0.6	0.785	1.23
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/08/73-09/18/86	13	0.18	0.213	0.46	0.06	0.015	0.124	0.076	0.1	0.285	0.446
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/03/73-12/20/79	10	7.25	10.65	32.	4.	73.558	8.577	4.1	5.	15.25	30.4
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/26/74-09/18/86	10	239.5	228.3	268.	134.	1355.344	36.815	141.4	223.	244.75	266.8
00916	CALCIUM, TOTAL (MG/L AS CA)	12/24/75-09/18/86	1	76.	76.	76.	76.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	12/24/75-09/18/86	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/08/73-09/18/86	11	140.	153.091	296.	63.	5514.891	74.262	63.4	84.	211.	283.8
01002	ARSENIC, TOTAL (UG/L AS AS)	07/13/73-09/18/86	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/13/73-09/18/86	5	5.	5.	10.	2.5	9.375	3.062	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/13/73-09/24/84	6	22.5	20.	30.	0.	150.	12.247	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/13/73-09/18/86	10	30.	57.	290.	0.	7128.889	84.433	1.5	15.	62.5	268.
01045	IRON, TOTAL (UG/L AS FE)	10/24/73-09/18/86	7	570.	1051.429	3960.	430.	1660414.286	1288.571	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/13/73-09/18/86	10	10.	21.9	90.	0.	838.322	28.954	0.	4.5	40.25	86.
01067	NICKEL, TOTAL (UG/L AS NI)	02/16/78-09/18/86	4	100.	87.5	100.	50.	625.	25.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/13/73-09/18/86	8	80.	73.75	130.	0.	1741.071	41.726	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/08/73-09/24/84	10	32500.	47500.	190000.	1500.	3246324444.444	56976.525	1810.	4825.	66750.	177900.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/08/73-09/24/84	10	4.477	4.326	5.279	3.176	0.444	0.666	3.225	3.683	4.824	5.235
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			21189.307								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/08/73-06/18/81	11	13000.	14010.909	38000.	920.	167274509.091	12933.465	956.	3000.	29000.	36200.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	08/08/73-06/18/81	11	4.114	3.887	4.58	2.964	0.327	0.572	2.979	3.477	4.462	4.556
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			7709.096								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/08/73-09/24/84	11	12.	17.545	73.	2.	436.073	20.882	2.	4.	19.	65.6
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/08/73-06/18/81	11	0.21	0.234	0.52	0.1	0.014	0.118	0.108	0.16	0.28	0.488
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/20/79-09/18/86	2	476.	476.	480.	472.	32.	5.657	**	**	**	**

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/73-09/18/86	16	19.	16.988	25.2	6.5	41.359	6.431	8.25	10.2	23.25	25.06
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/08/73-08/27/86	9	48.	51.444	122.	27.	813.778	28.527	27.	33.	55.5	122.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-09/18/86	6	652.5	674.5	812.	560.	10253.5	101.26	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/73-09/18/86	1	380.	380.	380.	380.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/08/73-09/18/86	14	8.5	8.964	11.5	7.4	1.878	1.37	7.45	8.	9.875	11.45
00310	BOD, 5 DAY, 20 DEG C MG/L	08/22/73-09/24/84	12	5.05	5.792	18.	2.6	16.174	4.022	2.72	3.775	6.	14.4
00335	COD, .025N K2CR2O7 MG/L	08/08/73-09/18/86	17	18.1	19.912	60.2	4.	177.022	13.305	7.2	10.	26.	37.64
00400	PH (STANDARD UNITS)	08/15/73-09/18/86	8	7.95	7.688	8.2	6.5	0.367	0.606	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/15/73-09/18/86	8	7.947	7.238	8.2	6.5	0.598	0.773	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/73-09/18/86	8	0.011	0.058	0.316	0.006	0.011	0.106	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/08/73-06/18/81	9	7.9	7.944	8.2	7.7	0.023	0.151	7.7	7.85	8.05	8.2
00403	CONVERTED PH, LAB, STANDARD UNITS	08/08/73-06/18/81	9	7.9	7.922	8.2	7.7	0.023	0.153	7.7	7.85	8.05	8.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/73-06/18/81	9	0.013	0.012	0.02	0.006	0.	0.004	0.006	0.009	0.014	0.02
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/73-10/18/79	10	474.	465.8	590.	330.	8502.622	92.21	331.4	372.5	559.5	587.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/08/73-09/18/86	18	11.	13.5	44.	5.	66.382	8.148	9.5	10.	15.	19.7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/08/73-09/18/86	17	0.25	0.259	0.57	0.07	0.017	0.129	0.102	0.16	0.33	0.474
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/08/73-09/18/86	12	0.065	0.08	0.2	0.02	0.003	0.051	0.026	0.043	0.1	0.185
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/08/73-09/18/86	17	1.	1.085	3.2	0.3	0.467	0.683	0.46	0.65	1.11	2.352

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Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/08/73-09/18/86	17	0.63	0.776	3.52	0.21	0.596	0.772	0.226	0.305	0.935	1.656
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/08/73-09/18/86	17	0.169	0.23	1.36	0.	0.096	0.309	0.056	0.1	0.195	0.664
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/03/73-12/20/79	8	7.	8.188	15.	3.	17.567	4.191	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/26/74-09/18/86	16	216.	221.125	271.	173.	689.45	26.257	187.7	199.75	244.25	259.8
00916	CALCIUM, TOTAL (MG/L AS CA)	12/24/75-09/18/86	2	64.5	64.5	73.	56.	144.5	12.021	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	12/24/75-09/18/86	2	14.	14.	16.	12.	8.	2.828	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/08/73-09/18/86	14	100.	105.071	191.	48.	1118.995	33.451	56.5	91.75	114.	166.5
01002	ARSENIC, TOTAL (UG/L AS AS)	07/13/73-09/18/86	2	10.	10.	10.	10.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/13/73-09/18/86	10	5.	5.5	10.	2.5	10.833	3.291	2.5	2.5	10.	10.
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/13/73-09/24/84	9	30.	26.111	40.	15.	79.861	8.937	15.	15.	30.	40.
01042	COPPER, TOTAL (UG/L AS CU)	07/13/73-09/18/86	16	30.	31.563	90.	15.	289.063	17.002	15.	30.	30.	55.
01045	IRON, TOTAL (UG/L AS FE)	10/24/73-09/18/86	9	640.	762.222	2040.	350.	253044.444	503.035	350.	500.	815.	2040.
01051	LEAD, TOTAL (UG/L AS PB)	07/13/73-09/18/86	14	10.5	13.179	34.	2.5	78.37	8.853	3.75	6.	20.	29.
01067	NICKEL, TOTAL (UG/L AS NI)	02/16/78-09/18/86	7 ##	50.	71.429	100.	50.	714.286	26.726	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/13/73-09/18/86	14	40.	49.714	90.	30.	453.451	21.294	30.	30.	62.5	90.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/08/73-09/24/84	15	16000.	25932.	90000.	1080.	784949074.286	28016.943	1332.	6100.	43000.	81600.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/08/73-09/24/84	15	4.204	4.106	4.954	3.033	0.368	0.607	3.119	3.785	4.633	4.91
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12751.374								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/08/73-06/18/81	16	5400.	9748.125	75000.	340.	324135562.917	18003.765	347.	1000.	9525.	34400.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	08/08/73-06/18/81	16	3.731	3.563	4.875	2.531	0.432	0.657	2.54	2.978	3.979	4.424
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			3653.865								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/08/73-09/24/84	17	10.	11.118	43.	3.	83.11	9.116	3.	5.5	14.	19.8
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/08/73-06/18/81	16	0.13	0.138	0.26	0.08	0.002	0.043	0.087	0.113	0.158	0.211
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/20/79-09/18/86	4	352.	332.5	500.	126.	25486.333	159.644	**	**	**	**

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Station Inventory for Station: CUVA0045

NPS Station ID: CUVA0045
LAT/LON: 41.094448/ -81.521671
Agency: 112WRD
Date Created: / /
Location: L CUYAHOGA R BL OHIO CA AT AKRON OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 04205700
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002002
RF1 Mile Point: 1.070
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 04110002000403.13
RF3 Mile Point: 3.20
Distance from RF3: 0.11
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/18/73-06/29/77	10	13.75	15.95	25.	7.5	55.192	7.429	7.55	8.75	24.125	24.95
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/10/74-06/29/77	6	18.25	16.75	29.	-3.5	140.075	11.835	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/18/73-06/29/77	10	87.5	99.1	170.	41.	1949.878	44.157	41.7	61.5	141.	167.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/18/73-06/29/77	8	746.5	832.625	1400.	640.	64621.125	254.207	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/10/74-06/29/77	6	9.1	9.167	11.	7.4	2.299	1.516	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/10/74-06/29/77	6	91.5	91.333	94.	88.	4.667	2.16	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/22/75-06/29/77	5	4.1	4.72	6.7	3.1	2.792	1.671	**	**	**	**
00400	PH (STANDARD UNITS)	12/18/73-06/29/77	10	8.1	8.09	8.5	7.7	0.063	0.251	7.71	7.875	8.25	8.49
00400	CONVERTED PH (STANDARD UNITS)	12/18/73-06/29/77	10	8.1	8.027	8.5	7.7	0.068	0.26	7.71	7.875	8.25	8.49
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/18/73-06/29/77	10	0.008	0.009	0.02	0.003	0.	0.005	0.003	0.006	0.013	0.02
00405	CARBON DIOXIDE (MG/L AS CO2)	03/28/74-06/29/77	9	1.8	2.211	4.	0.8	1.056	1.028	0.8	1.5	3.1	4.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/28/74-06/29/77	9	115.	117.556	136.	103.	109.278	10.454	103.	110.5	126.5	136.
00440	BICARBONATE ION (MG/L AS HCO3)	03/28/74-06/29/77	9	140.	142.333	159.	125.	131.75	11.478	125.	134.5	154.	159.
00445	CARBONATE ION (MG/L AS CO3)	03/28/74-06/29/77	9	0.	0.444	4.	0.	1.778	1.333	0.	0.	0.	4.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/10/74-06/29/77	7	0.14	0.471	1.9	0.06	0.45	0.671	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/18/73-06/29/77	10	0.055	0.064	0.21	0.005	0.004	0.063	0.005	0.005	0.083	0.201
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/18/73-06/29/77	10	0.69	0.678	1.2	0.21	0.136	0.368	0.211	0.31	1.043	1.2
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/18/73-06/29/77	10	0.74	0.74	1.2	0.26	0.132	0.363	0.268	0.37	1.2	1.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/10/74-06/29/77	7	0.14	0.163	0.32	0.09	0.006	0.077	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/22/75-06/29/77	5	8.1	11.6	18.	7.1	29.265	5.41	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/28/74-06/29/77	9	210.	213.333	250.	200.	300.	17.321	200.	200.	225.	250.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/28/74-06/29/77	9	92.	96.222	140.	76.	342.194	18.498	76.	84.5	100.	140.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/28/74-06/29/77	9	61.	63.667	78.	58.	39.	6.245	58.	60.	67.	78.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/28/74-06/29/77	9	13.	13.222	16.	12.	1.444	1.202	12.	12.5	13.5	16.
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/10/74-06/29/77	7	62.	84.	220.	53.	3638.333	60.319	**	**	**	**
00931	SODIUM ADSORPTION RATIO	09/10/74-06/29/77	7	1.9	2.5	6.4	1.6	3.	1.732	**	**	**	**
00932	SODIUM, PERCENT	09/10/74-06/29/77	7	38.	42.857	68.	36.	130.476	11.423	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/10/74-06/29/77	7	3.6	3.7	5.2	2.9	0.613	0.783	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/18/73-06/29/77	10	105.	132.1	330.	64.	6138.1	78.346	66.3	90.	147.5	317.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/18/73-06/29/77	10	78.	81.8	110.	64.	195.289	13.975	64.6	70.75	90.75	108.6
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/10/74-06/29/77	7	0.2	0.229	0.3	0.2	0.002	0.049	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/10/74-06/29/77	7	5.6	5.729	7.5	4.1	1.209	1.1	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/22/75-06/29/77	5	9.	8.6	13.	4.	11.3	3.362	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/22/75-06/29/77	5 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/22/75-06/29/77	5	20.	26.	53.	10.	279.5	16.718	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/10/74-06/29/77	7	160.	220.	790.	30.	71733.333	267.831	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/22/75-06/29/77	5	10.	19.2	45.	8.	258.7	16.084	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/10/74-06/29/77	7	100.	102.857	180.	50.	1523.81	39.036	**	**	**	**

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Parameter Inventory for Station: CUVA0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092	ZINC, TOTAL (UG/L AS ZN)	08/22/75-06/29/77	5	50.	54.	90.	30.	530.	23.022	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/10/74-06/29/77	7	405.	455.571	805.	369.	24009.952	154.951	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	09/10/74-06/29/77	7	104.	136.9	370.	50.3	11619.083	107.792	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/10/74-06/29/77	7	0.55	0.619	1.09	0.5	0.044	0.209	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/22/75-06/29/77	5 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0045

				Total	Exceed	Prop.	----------7/01-10/31----------			----------11/01-3/14----------			----------3/15-6/30----------			----------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	Fresh Acute	4.	6	0	0.00	2	0	0.00	1	0	0.00	3	0	0.00			
00400	PH	Other-Hi Lim.	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			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	10	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	10	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00			
00940	CHLORIDE,TOTAL 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	1	0.10	3	0	0.00	2	0	0.00	5	1	0.20			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	10	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00			
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	7	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	50.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5	3	0.60	2	1	0.50	1	1	1.00	2	1	0.50			
		Drinking Water	1300.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	15.	5	2	0.40	2	1	0.50	1	0	0.00	2	1	0.50			
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	5000.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	2.	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: CUVA0046

NPS Station ID: CUVA0046 LAT/LON: 41.094726/ -81.466948 Agency: 21OHIO Date Created: 11/08/86
Location: CHESSIE TRIB AT AKRON - BRITTAIN RD. (RM 1.61) FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S91
RMI-Indexes: 0603002 000940 00110 Within Park Boundary: No
RMI-Miles: 0042.27 0004.11 001.61
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002043600.00 RF3 Mile Point: 0.01 Distance from RF3: 0.02 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE LITTLE CUYAHOGA RIVER SUBBASIN.
LOCATION - SUMMIT CO.; LOCATED AT THE BRITTAIN RD. BRIDGE, WEST OF TALMADGE; NORTH OF GOODYEAR HEIGHTS.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0046

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/86-09/17/86	5	12.	11.6	16.	6.	14.8	3.847	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/86-09/17/86	5	528.	563.8	770.	292.	42794.2	206.868	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/09/86-09/17/86	5	7.7	7.88	9.5	6.9	0.942	0.971	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/09/86-09/17/86	5 ##	10.	13.2	26.	10.	51.2	7.155	**	**	**	**
00400	PH (STANDARD UNITS)	07/09/86-08/21/86	4	7.9	7.875	8.1	7.6	0.049	0.222	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/09/86-08/21/86	4	7.889	7.832	8.1	7.6	0.052	0.227	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/86-08/21/86	4	0.013	0.015	0.025	0.008	0.	0.008	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/17/86-09/17/86	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/17/86-09/17/86	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/17/86-09/17/86	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/86-09/17/86	5 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/86-09/17/86	5 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-09/17/86	4 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/86-09/17/86	5	0.2	0.32	0.6	0.2	0.032	0.179	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/86-09/17/86	5 ##	0.05	0.14	0.5	0.05	0.04	0.201	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/86-09/17/86	5 ##	0.025	0.041	0.08	0.025	0.001	0.024	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/09/86-09/17/86	4	325.	301.25	361.	194.	5402.917	73.505	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/86-09/17/86	5	98.2	91.54	105.	57.1	383.988	19.596	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/86-09/17/86	4	20.15	19.2	24.1	12.4	24.1	4.909	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/09/86-09/17/86	5 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/86-09/17/86	5 ##	0.1	0.14	0.3	0.1	0.008	0.089	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/17/86	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/09/86-09/17/86	5	2.	2.68	5.	0.6	4.772	2.184	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/09/86-09/17/86	5	420.	476.	730.	390.	20780.	144.153	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/09/86-09/17/86	5 ##	1.	2.6	8.	1.	9.3	3.05	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/86-09/17/86	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/86-09/17/86	5	20.	17.	30.	5.	95.	9.747	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/86-08/21/86	4 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/86-09/17/86	5	570.	539.2	598.	382.	7863.2	88.675	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: CUVA0046

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	5	0	0.00									
		Drinking Water	50.	5	0	0.00	5	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	0	0.00	5	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	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: CUVA0047

NPS Station ID: CUVA0047 LAT/LON: 41.103892/ -81.527781 Agency: 112WRD Date Created: 05/29/93
Location: L CUYAHOGA R AT MEMORIAL PKWY NR AKRON OH FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 410614081314000
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 05040001065800.00 RF3 Mile Point: 1.51 Distance from RF3: 0.22 On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/91-07/13/92	2	20.	20.	25.	15.	50.	7.071	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/06/91-07/13/92	3	126.	99.	129.	42.	2439.	49.386	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/91-07/13/92	2	780.	780.	1020.	540.	115200.	339.411	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/13/92-07/13/92	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/13/92-07/13/92	1	62.	62.	62.	62.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/06/91-07/13/92	3	17000.	26333.333	47000.	15000.	321333333.333	17925.773	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/06/91-07/13/92	3	4.23	4.36	4.672	4.176	0.074	0.272	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			22884.742								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	10/06/91-07/13/92	3	13000.	18933.333	36000.	7800.	225213333.333	15007.109	**	**	**	**
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	10/06/91-07/13/92	3	4.114	4.187	4.556	3.892	0.114	0.338	**	**	**	**
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			15397.38								

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

EPA Water Quality Criteria Analysis for Station: CUVA0047

Parameter				Total	Exceed	Prop.	7/01-10/31			11/01-3/14			3/15-6/30			n/a		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	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									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	3	1.00	2	2	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: CUVA0048

NPS Station ID: CUVA0048 LAT/LON: 41.104170/ -81.527505 Agency: 21OHIO Date Created: 11/19/88
Location: L. CUYAHOGA R. AT AKRON - MEMORIAL PARKWAY FIPS State/County: 39151 OHIO/STARK
Station Type: /TYPA/AMBNT/STREAM/BIO STORET Station ID(s): F01A36
RMI-Indexes: 0603001 000940 Within Park Boundary: No
RMI-Miles: 0042.27 0001.07
HUC: 04100002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04100002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 05040001109103.43 RF3 Mile Point: 3.66 Distance from RF3: 0.03 On/Off RF3:
Description:
PURPOSE - SHORT-TERM SURVEY. LOCATION - SUMMIT CO.; LOCATED AT THE MEMORIAL PARKWAY BRIDGE NEAR THE MOUTH. COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST DISTRICT OFFICE, (216) 425-9171.

Parameter Inventory for Station: CUVA0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/17/88-08/17/88	1	24.5	24.5	24.5	24.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/17/88-08/17/88	1	1450.	1450.	1450.	1450.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/17/88-08/17/88	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/17/88-08/17/88	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	08/17/88-08/17/88	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/17/88-08/17/88	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/17/88-08/17/88	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/17/88-08/17/88	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/17/88-08/17/88	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/17/88-08/17/88	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/17/88-08/17/88	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/17/88-08/17/88	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/17/88-08/17/88	1	0.56	0.56	0.56	0.56	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/17/88-08/17/88	1	318.	318.	318.	318.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/17/88-08/17/88	1	91.	91.	91.	91.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/17/88-08/17/88	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/17/88-08/17/88	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/17/88-08/17/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/17/88-08/17/88	1	360.	360.	360.	360.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/17/88-08/17/88	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/17/88-08/17/88	1	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/17/88-08/17/88	1	844.	844.	844.	844.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0048

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
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									
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									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: CUVA0049

NPS Station ID: CUVA0049
LAT/LON: 41.112226/ -81.614726
Agency: 112WRD
Date Created: 06/16/79
Location: 041 SCHOCALOG RN NR FAIRLAWN OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 410644081365300
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05040001
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05040001
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001009306.89
RF3 Mile Point: 15.72
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/23/79-03/08/80	3	17.5	14.833	25.	2.	137.583	11.73	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/23/79-03/08/80	2	10.75	10.75	21.	0.5	210.125	14.496	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/23/79-03/08/80	3	3.	8.567	22.	0.7	136.663	11.69	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/23/79-03/08/80	3	755.	673.	755.	509.	20172.	142.028	**	**	**	**
00400	PH (STANDARD UNITS)	04/23/79-03/08/80	3	8.3	7.933	8.4	7.1	0.523	0.723	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/23/79-03/08/80	3	8.3	7.531	8.4	7.1	0.767	0.876	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/23/79-03/08/80	3	0.005	0.029	0.079	0.004	0.002	0.043	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	04/23/79-03/08/80	3	1.6	4.333	9.9	1.5	23.243	4.821	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/23/79-03/08/80	3	167.	146.667	209.	64.	5566.333	74.608	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/23/79-03/08/80	3	191.	166.333	230.	78.	6232.333	78.945	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	04/23/79-03/08/80	3	6.	6.	12.	0.	36.	6.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/23/79-03/08/80	3	90.	86.333	120.	49.	1270.333	35.642	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/10/79-09/10/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-09/10/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-09/10/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/10/79-09/10/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/10/79-09/10/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	04/23/79-03/08/80	2	1700.	1700.	2400.	1000.	980000.	989.949	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/23/79-03/08/80	3	1100.	1536.667	3200.	310.	2231033.333	1493.664	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	04/23/79-03/08/80	3	100.	316.667	820.	30.	191233.333	437.302	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/10/79-09/10/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/10/79-09/10/79	1	400.	400.	400.	400.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	04/23/79-03/08/80	3	0.	3.333	10.	0.	33.333	5.774	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/23/79-03/08/80	3	140.	133.333	190.	70.	3633.333	60.277	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/23/79-03/08/80	3	140.	130.	180.	70.	3100.	55.678	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/10/79-09/10/79	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/10/79-09/10/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/10/79-09/10/79	1	12000.	12000.	12000.	12000.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/10/79-09/10/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/08/80-03/08/80	1	56.	56.	56.	56.	0.	0.	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	03/08/80-03/08/80	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0049

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: CUVA0050

NPS Station ID: CUVA0050 | LAT/LON: 41.114170/ -81.528338 | Agency: 1115E050 | Date Created: / /
Location: LITTLE CUYAHOGA RIVER | FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 380225 /060398000400/060398044400
RMI-Indexes: 0603002 001080 | Within Park Boundary: No
RMI-Miles: 0044.00 0000.40
HUC: 04110002 | Depth of Water: 999 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER | ECO Region:
RF1 Index: 04110002001 | RF1 Mile Point: 39.020 | Distance from RF1: 0.00 | On/Off RF1: ON
RF3 Index: 05040001003304.82 | RF3 Mile Point: 5.30 | Distance from RF3: 0.00 | On/Off RF3:
Description:
BEHIND CITY WORKHOUSE 0.1 MI W OF CUYAHOGA ST. IN N AKRON, 1.0 MI N OF ROUTE 18 TALLMADGE AVE.
LATITUDE AND LONGITUDE FROM USGS MAP MILEAGE-INDEX CODING PROVISIONAL

Parameter Inventory for Station: CUVA0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/24/64-11/24/64	8	5.	4.375	6.	0.	4.268	2.066	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/03/64-11/24/64	4	1029.	1029.5	1060.	1000.	750.333	27.392	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/24/64-11/24/64	7	5.9	5.757	7.1	4.1	0.906	0.952	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/24/64-11/24/64	7	0.4	0.443	0.6	0.3	0.01	0.098	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/24/64-11/24/64	8	10.85	12.525	21.4	6.9	29.279	5.411	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	11/03/64-11/24/64	4	51.5	53.75	82.	30.	661.583	25.721	**	**	**	**
00400	PH (STANDARD UNITS)	09/24/64-11/24/64	8	7.8	7.713	8.2	7.1	0.133	0.364	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/24/64-11/24/64	8	7.8	7.57	8.2	7.1	0.156	0.395	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/24/64-11/24/64	8	0.016	0.027	0.079	0.006	0.001	0.025	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/03/64-11/24/64	4	193.	193.75	205.	184.	76.917	8.77	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/03/64-11/24/64	4	691.5	691.5	706.	677.	153.667	12.396	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/03/64-11/24/64	4	138.5	134.5	154.	107.	391.	19.774	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	11/03/64-11/24/64	4	562.5	557.	570.	533.	276.667	16.633	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/03/64-11/24/64	4	656.5	651.25	664.	628.	260.917	16.153	**	**	**	**
00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	11/03/64-11/24/64	4	108.	111.25	133.	96.	274.917	16.581	**	**	**	**
00525	RESIDUE, FIXED FILTRABLE (MG/L)	11/03/64-11/24/64	4	539.5	540.	568.	513.	608.667	24.671	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/03/64-11/24/64	4	131.	124.25	135.	100.	270.917	16.46	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/03/64-11/24/64	4	2015000.	2107500.	3900000.	500000.	**********	1650118.683	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	11/03/64-11/24/64	4	6.23	6.187	6.591	5.699	0.181	0.425	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1539819.494								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/03/64-11/24/64	4	200000.	201500.	330000.	76000.	11822333333.333	108730.554	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/03/64-11/24/64	4	5.292	5.246	5.519	4.881	0.076	0.275	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			176162.997								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/03/64-11/24/64	4	60000.	87000.	170000.	58000.	3062666666.667	55341.365	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/03/64-11/24/64	4	4.778	4.888	5.23	4.763	0.052	0.229	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			77187.123								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/03/64-11/24/64	3	44.	42.	67.	15.	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

EPA Water Quality Criteria Analysis for Station: CUVA0050

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	7	0	0.00	3	0	0.00	4	0	0.00						
00400	PH	Other-Hi Lim.	9.	8	0	0.00	4	0	0.00	4	0	0.00						
		Other-Lo Lim.	6.5	8	0	0.00	4	0	0.00	4	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00				4	0	0.00						
		Drinking Water	250.	4	0	0.00				4	0	0.00						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	4	4	1.00				4	4	1.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	4	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: CUVA0051

NPS Station ID: CUVA0051 | LAT/LON: 41.114726/ -81.527505 | Agency: 21OHIO | Date Created: / /
Location: L. CUYAHOGA R. AT AKRON - NEAR MOUTH | FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 502180
RMI-Indexes: 0603002 000940 | Within Park Boundary: No
RMI-Miles: 0042.27 0000.30
HUC: 04110002 | Depth of Water: 0 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER | ECO Region:
RF1 Index: 04110002001 | RF1 Mile Point: 39.020 | Distance from RF1: 0.00 | On/Off RF1: ON
RF3 Index: 04110002000400.00 | RF3 Mile Point: 0.30 | Distance from RF3: 0.03 | On/Off RF3:
Description:
PURPOSE - MONITOR WATER QUALITY FOR DETERMINING IMPACT STREAM HAS ON THE CUYAHOGA RIVER.
LOCATION - SUMMIT CO., NW OF COUNTY WORKHOUSE ON CUYAHOGA ST. STATION CAN BE REACHED BY A SMALL DIRT ROAD JUST NORTH OF WORKHOUSE.
COLLECTION - GRAB SAMPLES BY AKRON WATER POLLUTION CONTROL LAB.

Parameter Inventory for Station: CUVA0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/18/91	309	15.	14.592	28.	0.	56.723	7.531	4.	7.	21.	25.
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/06/75-01/28/75	5	131.	117.2	143.	82.	654.2	25.577	**	**	**	**
00065	STAGE, STREAM (FEET)	11/06/73-04/22/74	22	1.57	1.569	2.07	1.31	0.034	0.185	1.343	1.425	1.68	1.804
00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/10/73-01/28/75	77	2.	2.325	5.	0.	1.485	1.219	1.	1.	3.	4.2
00080	COLOR (PLATINUM-COBALT UNITS)	12/10/73-01/28/75	77	2.	1.766	5.	0.	1.787	1.337	0.	1.	2.	4.
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	12/10/73-01/28/75	77	2.	1.792	5.	0.	1.904	1.38	0.	0.5	3.	4.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/22/86-09/18/91	10	710.	672.5	960.	270.	45451.389	213.193	294.	517.5	835.	958.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/22/86-08/14/91	6	751.	714.	996.	311.	75447.6	274.677	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/18/91	310	8.3	8.515	13.8	1.6	4.749	2.179	5.9	7.1	10.	11.6
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-01/28/75	297	4.2	5.622	37.8	0.2	19.915	4.463	2.2	3.	6.8	10.08
00335	COD, .025N K2CR2O7 MG/L	12/10/73-09/18/91	84	23.	35.629	227.	3.	1395.439	37.356	13.	19.	34.75	68.
00400p	PH (STANDARD UNITS)	05/01/67-09/18/91	307	7.8	7.814	8.4	7.2	0.051	0.226	7.5	7.7	8.	8.1
00400p	CONVERTED PH (STANDARD UNITS)	05/01/67-09/18/91	307	7.8	7.756	8.4	7.2	0.054	0.233	7.5	7.7	8.	8.1
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/18/91	307	0.016	0.018	0.063	0.004	0.	0.01	0.008	0.01	0.02	0.032
00403	PH, LAB, STANDARD UNITS SU	12/12/73-12/18/73	2	8.35	8.35	8.8	7.9	0.405	0.636	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/12/73-12/18/73	2	8.15	8.15	8.8	7.9	0.485	0.697	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/12/73-12/18/73	2	0.007	0.007	0.013	0.002	0.	0.008	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/01/67-12/13/71	218	136.	136.376	192.	54.	644.927	25.395	104.	124.	152.	168.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/10/73-09/18/91	87	14.	97.764	3500.	2.5	159309.807	399.136	4.	7.	29.	140.6
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	08/12/86-09/18/86	4 ##	0.84	2.068	6.09	0.5	7.294	2.701	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/74-09/18/91	52	0.41	0.5	3.36	0.09	0.219	0.468	0.14	0.31	0.57	0.845
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/18/91	52	0.08	0.109	0.56	0.01	0.012	0.11	0.033	0.05	0.118	0.197
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/86-09/18/91	10	0.75	1.16	3.8	0.4	1.045	1.022	0.41	0.575	1.3	3.61
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/25/74-09/18/91	53	0.56	0.584	1.14	0.1	0.054	0.232	0.278	0.4	0.78	0.916
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/10/73-10/18/74	48	1.02	1.624	7.85	0.43	2.442	1.563	0.547	0.68	1.803	4.692
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/12/86-09/18/91	10	0.095	0.163	0.77	0.025	0.048	0.22	0.028	0.058	0.155	0.713
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/11/91-09/18/91	6 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/86-09/18/91	11	271.	258.909	320.	144.	3409.291	58.389	148.4	234.	306.	319.2
00916	CALCIUM, TOTAL (MG/L AS CA)	07/22/86-09/18/91	11	79.	75.409	92.	41.7	282.253	16.8	43.36	68.1	88.	92.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/22/86-09/18/91	11	18.	17.145	22.	9.6	17.099	4.135	9.68	15.	21.	21.8
00940	CHLORIDE,TOTAL IN WATER MG/L	09/18/86-09/18/91	7	130.	119.714	169.	38.	2212.905	47.042	**	**	**	**

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

Parameter Inventory for Station: CUVA0051

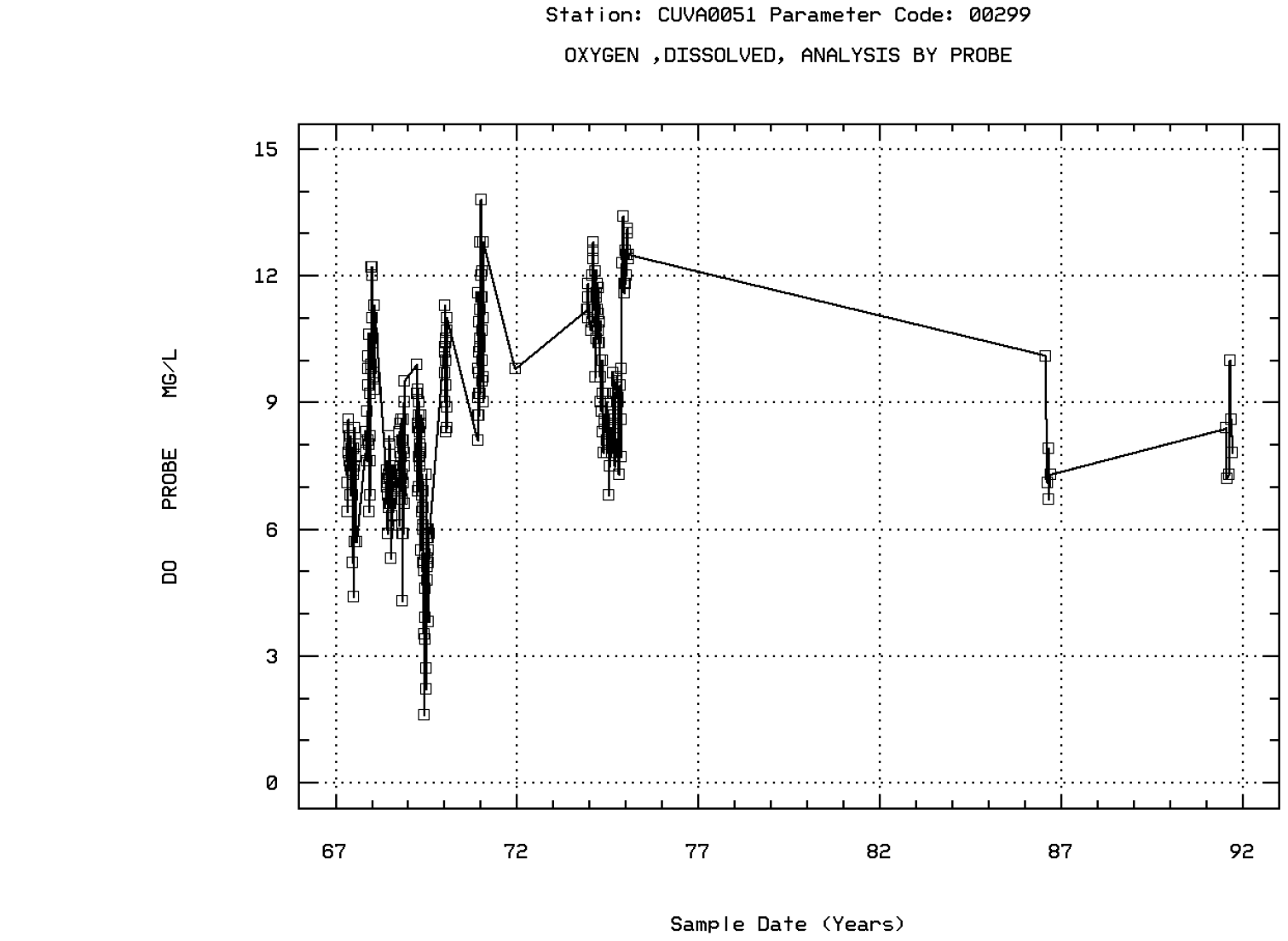
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01002	ARSENIC, TOTAL (UG/L AS AS)	07/22/86-09/18/91	11	2.	2.727	8.	1.	4.618	2.149	1.	1.	3.	7.4
01027	CADMIUM, TOTAL (UG/L AS CD)	07/22/86-09/18/91	11 ##	0.1	0.191	1.	0.1	0.073	0.27	0.1	0.1	0.1	0.84
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/22/86-09/18/91	9 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042	COPPER, TOTAL (UG/L AS CU)	07/22/86-09/18/91	11 ##	5.	10.364	63.	2.	311.455	17.648	2.	5.	5.	52.8
01045	IRON, TOTAL (UG/L AS FE)	07/22/86-09/18/86	5	720.	4060.	15500.	580.	41830150.	6467.623	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/22/86-09/18/91	11 ##	1.	21.455	193.	1.	3307.073	57.507	1.	1.	6.	160.2
01067	NICKEL, TOTAL (UG/L AS NI)	07/22/86-09/18/91	11 ##	20.	21.818	40.	20.	36.364	6.03	20.	20.	20.	36.
01092	ZINC, TOTAL (UG/L AS ZN)	07/22/86-09/18/91	11	10.	52.727	385.	5.	12551.818	112.035	5.	5.	35.	322.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	04/22/74-04/22/74	1	7000.	7000.	7000.	7000.	0.	0.	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	04/22/74-04/22/74	1	3.845	3.845	3.845	3.845	0.	0.	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			7000.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/22/74-04/22/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/22/74-04/22/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/22/86-09/18/91	11 ##	5.	7.273	10.	5.	6.818	2.611	5.	5.	10.	10.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/22/86-09/18/91	11	576.	575.091	1110.	220.	51345.091	226.595	252.4	456.	658.	1026.4
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/11/91-09/18/91	6	1.05	1.333	3.6	0.5	1.339	1.157	**	**	**	**

** - 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: CUVA0051

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	77	0	0.00	19	0	0.00	35	0	0.00	23	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	310	8	0.03	82	1	0.01	123	0	0.00	105	7	0.07			
00400	PH	Other-Hi Lim.	9.	307	0	0.00	82	0	0.00	121	0	0.00	104	0	0.00			
		Other-Lo Lim.	6.5	307	0	0.00	82	0	0.00	121	0	0.00	104	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00				2	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00				2	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	52	0	0.00	27	0	0.00	19	0	0.00	6	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	53	0	0.00	28	0	0.00	19	0	0.00	6	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	6	0	0.00	6	0	0.00									
		Drinking Water	0.2	6	0	0.00	6	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	7	0	0.00	7	0	0.00									
		Drinking Water	250.	7	0	0.00	7	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	11	0	0.00	11	0	0.00									
		Drinking Water	50.	11	0	0.00	11	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	11	0	0.00	11	0	0.00									
		Drinking Water	5.	11	0	0.00	11	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	9	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	11	1	0.09	11	1	0.09									
		Drinking Water	1300.	11	0	0.00	11	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	11	1	0.09	11	1	0.09									
		Drinking Water	15.	11	2	0.18	11	2	0.18									
01067	NICKEL, TOTAL	Fresh Acute	1400.	11	0	0.00	11	0	0.00									
		Drinking Water	100.	11	0	0.00	11	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	11	1	0.09	11	1	0.09									
		Drinking Water	5000.	11	0	0.00	11	0	0.00									
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	0	0.00							1	0	0.00			

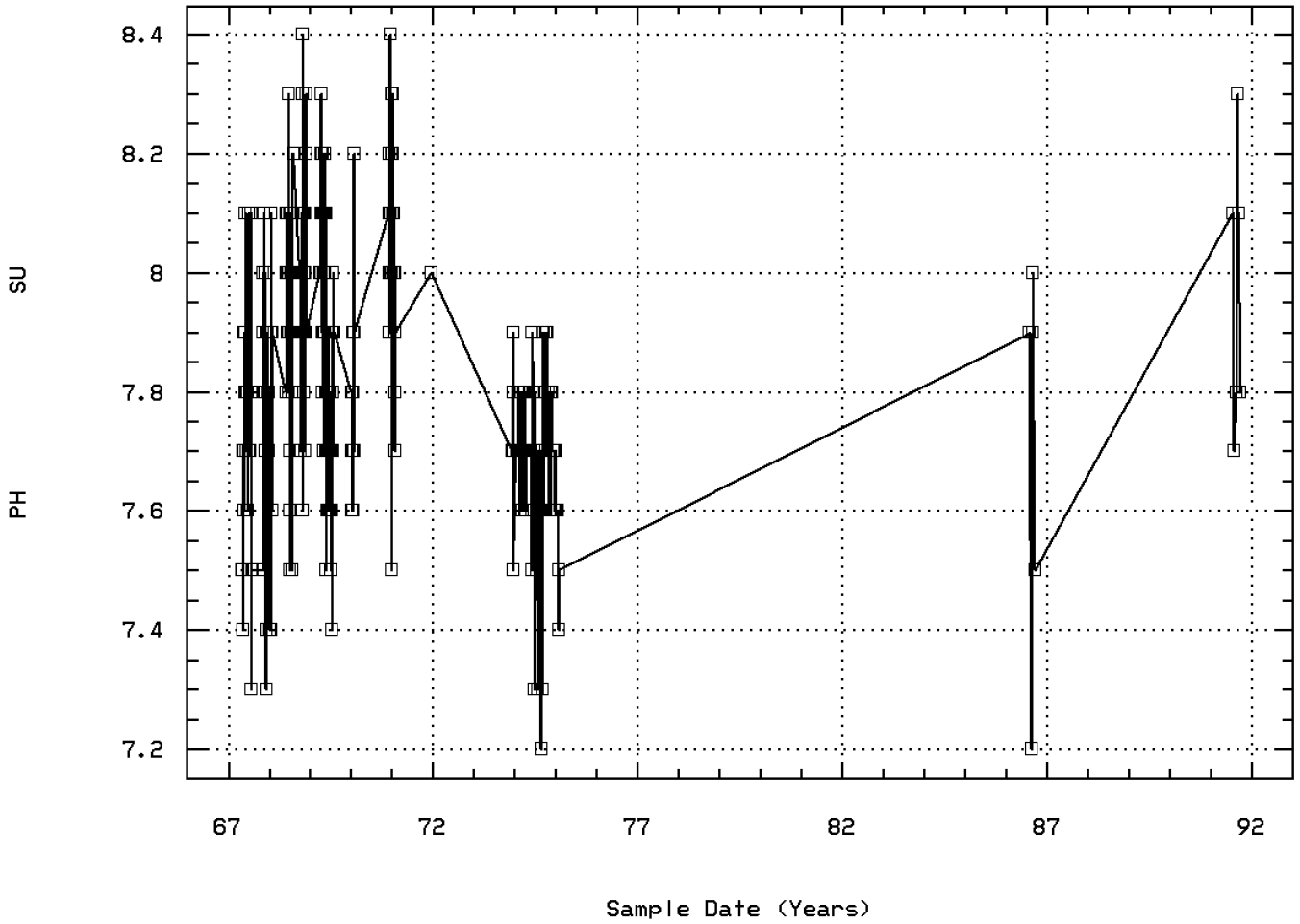
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



L. CUYAHOGA R. AT AKRON - NEAR MOUTH

Station: CUVA0051 Parameter Code: 00400

PH (STANDARD UNITS)



L. CUYAHOGA R. AT AKRON - NEAR MOUTH

Annual Analysis for 1967 - Station CUVA0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/18/91	49	16.	15.857	28.	4.	44.	6.633	6.	11.	21.5	25.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/18/91	49	7.9	7.914	12.2	4.4	1.838	1.356	6.4	7.4	8.4	9.8
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-01/28/75	49	4.	5.702	37.8	1.1	33.318	5.772	1.5	2.95	6.4	10.
00400	PH (STANDARD UNITS)	05/01/67-09/18/91	49	7.8	7.743	8.1	7.3	0.04	0.201	7.5	7.65	7.9	8.
00400	CONVERTED PH (STANDARD UNITS)	05/01/67-09/18/91	49	7.8	7.696	8.1	7.3	0.043	0.207	7.5	7.65	7.9	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/18/91	49	0.016	0.02	0.05	0.008	0.	0.01	0.01	0.013	0.023	0.032
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/01/67-12/13/71	49	144.	141.224	192.	68.	844.803	29.065	104.	126.	164.	176.

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

Annual Analysis for 1968 - Station CUVA0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/18/91	64	16.	16.781	28.	0.	52.936	7.276	5.5	12.	23.	25.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/18/91	64	7.25	7.656	12.2	4.3	2.363	1.537	6.1	6.725	8.175	10.05
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-01/28/75	64	3.25	5.066	28.5	0.5	27.38	5.233	1.8	2.5	5.375	11.5
00400	PH (STANDARD UNITS)	05/01/67-09/18/91	64	7.9	7.909	8.4	7.4	0.05	0.224	7.55	7.8	8.075	8.15
00400	CONVERTED PH (STANDARD UNITS)	05/01/67-09/18/91	64	7.9	7.847	8.4	7.4	0.054	0.233	7.55	7.8	8.075	8.15
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/18/91	64	0.013	0.014	0.04	0.004	0.	0.009	0.007	0.008	0.016	0.028
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/01/67-12/13/71	64	142.	143.438	192.	60.	695.298	26.368	108.	128.	164.	178.

** - Less than 9 observations ## - Computed with 50% or 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 CUVA0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/18/91	60	20.	19.733	27.	9.	19.792	4.449	13.1	16.25	23.	25.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/18/91	60	6.45	6.403	9.9	1.6	3.539	1.881	3.53	5.2	7.875	8.7
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-01/28/75	60	4.9	6.137	20.6	1.6	15.188	3.897	2.61	3.1	8.	11.58
00400	PH (STANDARD UNITS)	05/01/67-09/18/91	60	7.8	7.832	8.3	7.4	0.044	0.209	7.6	7.625	8.	8.1
00400	CONVERTED PH (STANDARD UNITS)	05/01/67-09/18/91	60	7.8	7.784	8.3	7.4	0.046	0.214	7.6	7.625	8.	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/18/91	60	0.016	0.016	0.04	0.005	0.	0.008	0.008	0.01	0.024	0.025
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/01/67-12/13/71	60	132.	134.4	172.	64.	480.515	21.921	108.	121.	152.	160.

** - Less than 9 observations ## - Computed with 50% or 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 CUVA0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/18/91	30	5.	5.767	14.	0.	11.013	3.319	2.	3.	8.	11.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/18/91	30	10.1	9.97	12.8	8.1	1.208	1.099	8.43	9.075	10.75	11.29
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-01/28/75	30	6.05	7.063	18.4	2.5	12.571	3.546	3.33	4.8	9.1	11.8
00400	PH (STANDARD UNITS)	05/01/67-09/18/91	30	7.95	7.92	8.4	7.5	0.059	0.243	7.6	7.7	8.1	8.2
00400	CONVERTED PH (STANDARD UNITS)	05/01/67-09/18/91	30	7.947	7.857	8.4	7.5	0.063	0.251	7.6	7.7	8.1	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/18/91	30	0.011	0.014	0.032	0.004	0.	0.008	0.006	0.008	0.02	0.025
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/01/67-12/13/71	30	126.	121.667	144.	54.	472.299	21.732	92.4	112.	140.	144.

** - Less than 9 observations ## - Computed with 50% or 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 CUVA0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/18/91	15	5.	4.8	10.	0.	6.029	2.455	1.2	3.	7.	8.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/18/91	15	11.	10.987	13.8	9.	1.841	1.357	9.3	9.8	12.	13.2
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-01/28/75	15	6.8	6.753	10.4	2.	4.208	2.051	3.02	5.9	7.8	9.98
00400	PH (STANDARD UNITS)	05/01/67-09/18/91	15	8.	8.04	8.3	7.7	0.027	0.164	7.76	8.	8.1	8.3
00400	CONVERTED PH (STANDARD UNITS)	05/01/67-09/18/91	15	8.	8.01	8.3	7.7	0.028	0.167	7.76	8.	8.1	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/18/91	15	0.01	0.01	0.02	0.005	0.	0.004	0.005	0.008	0.01	0.017
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/01/67-12/13/71	15	128.	127.733	144.	108.	97.067	9.852	110.4	120.	136.	141.6

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Annual Analysis for 1973 - Station CUVA0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/18/91	5	7.	6.7	7.5	6.	0.45	0.671	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/18/91	5	11.2	11.34	11.8	11.	0.098	0.313	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-01/28/75	5	3.5	6.24	18.2	2.	46.433	6.814	**	**	**	**
00400	PH (STANDARD UNITS)	05/01/67-09/18/91	5	7.7	7.72	7.9	7.5	0.022	0.148	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/01/67-09/18/91	5	7.7	7.699	7.9	7.5	0.023	0.15	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/18/91	5	0.02	0.02	0.032	0.013	0.	0.007	**	**	**	**

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Annual Analysis for 1974 - Station CUVA0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/18/91	69	13.	13.609	26.	3.	48.058	6.932	4.5	7.	19.5	23.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/18/91	70	9.65	9.9	13.4	6.8	2.65	1.628	7.8	8.575	11.275	12.09
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-01/28/75	68	3.8	4.903	19.6	0.2	13.065	3.615	2.39	2.8	5.875	7.84
00400	PH (STANDARD UNITS)	05/01/67-09/18/91	69	7.7	7.683	7.9	7.2	0.019	0.138	7.6	7.6	7.8	7.8
00400	CONVERTED PH (STANDARD UNITS)	05/01/67-09/18/91	69	7.7	7.658	7.9	7.2	0.02	0.14	7.6	7.6	7.8	7.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/18/91	69	0.02	0.022	0.063	0.013	0.	0.009	0.016	0.016	0.025	0.025

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

Annual Analysis for 1975 - Station CUVA0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/18/91	6	5.5	4.833	6.	2.5	2.167	1.472	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/18/91	6	12.5	12.583	13.1	12.	0.166	0.407	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-01/28/75	6	3.	3.35	5.1	2.6	0.847	0.92	**	**	**	**
00400	PH (STANDARD UNITS)	05/01/67-09/18/91	4	7.55	7.525	7.6	7.4	0.009	0.096	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/01/67-09/18/91	4	7.547	7.517	7.6	7.4	0.009	0.096	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/18/91	4	0.028	0.03	0.04	0.025	0.	0.007	**	**	**	**

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

Annual Analysis for 1986 - Station CUVA0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/18/91	5	20.	20.5	25.	17.5	9.5	3.082	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/18/91	5	7.3	7.82	10.1	6.7	1.812	1.346	**	**	**	**

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

Annual Analysis for 1986 - Station CUVA0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	05/01/67-09/18/91	5	7.9	7.7	8.	7.2	0.115	0.339	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/01/67-09/18/91	5	7.9	7.585	8.	7.2	0.131	0.363	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/18/91	5	0.013	0.026	0.063	0.01	0.001	0.022	**	**	**	**

** - 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 box-and-whisker plot

Annual Analysis for 1991 - Station CUVA0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/18/91	6	19.9	20.8	25.	17.8	6.476	2.545	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/18/91	6	8.1	8.217	10.	7.2	1.082	1.04	**	**	**	**
00400	PH (STANDARD UNITS)	05/01/67-09/18/91	6	7.95	7.967	8.3	7.7	0.055	0.234	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/01/67-09/18/91	6	7.925	7.918	8.3	7.7	0.058	0.24	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/18/91	6	0.012	0.012	0.02	0.005	0.	0.006	**	**	**	**

** - Less than 9 observations ## - Computed 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: 7/01 to 10/31 - Station CUVA0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/18/91	82	22.	21.43	28.	12.	15.089	3.884	15.3	19.	25.	26.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/18/91	82	7.4	7.352	10.1	3.8	1.642	1.281	5.7	6.525	8.325	9.07
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-01/28/75	71	3.	4.279	20.6	0.5	12.691	3.562	1.74	2.4	4.7	7.88
00335	COD, .025N K2CR2O7 MG/L	12/10/73-09/18/91	28	22.5	29.393	128.	5.	597.803	24.45	10.	14.25	35.	51.7
00400p	PH (STANDARD UNITS)	05/01/67-09/18/91	82	7.8	7.795	8.4	7.2	0.058	0.241	7.5	7.675	7.9	8.1
00400p	CONVERTED PH (STANDARD UNITS)	05/01/67-09/18/91	82	7.8	7.727	8.4	7.2	0.063	0.25	7.5	7.675	7.9	8.1
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/18/91	82	0.016	0.019	0.063	0.004	0.	0.012	0.008	0.013	0.021	0.032
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/10/73-09/18/91	29	12.	35.155	337.	2.5	5705.841	75.537	2.5	4.5	22.	66.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/74-09/18/91	27	0.32	0.338	0.65	0.09	0.028	0.168	0.134	0.16	0.44	0.634
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/18/91	27	0.07	0.089	0.47	0.01	0.008	0.088	0.018	0.04	0.11	0.166
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/25/74-09/18/91	28	0.45	0.469	0.91	0.1	0.035	0.187	0.253	0.37	0.575	0.737

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Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0051

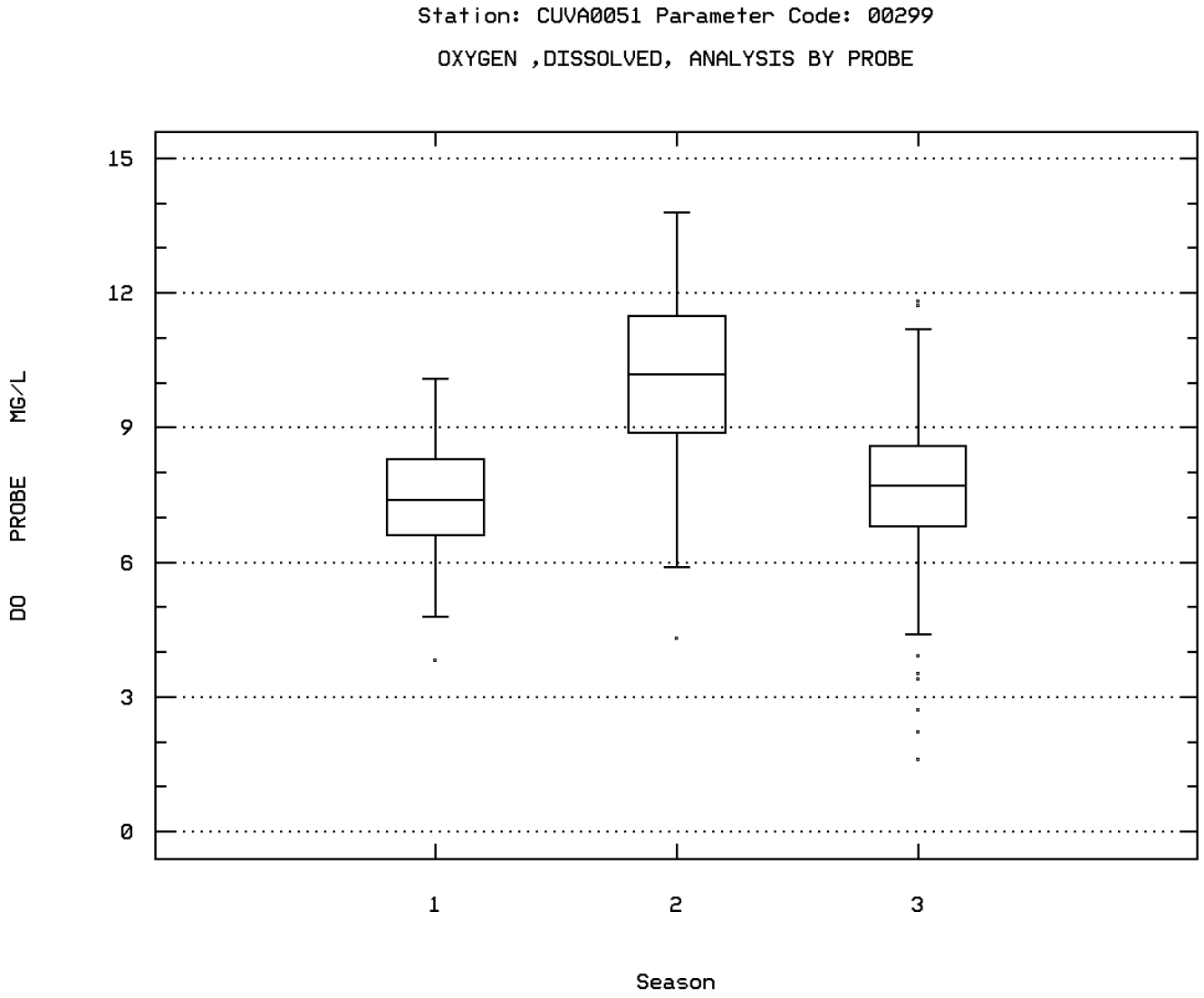
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/18/91	122	6.	7.102	16.	0.	14.165	3.764	3.	4.	10.	13.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/18/91	123	10.2	10.093	13.8	4.3	3.362	1.834	7.64	8.9	11.5	12.4
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-01/28/75	123	5.1	6.35	28.5	1.1	21.532	4.64	2.44	3.3	7.1	11.8
00335	COD, .025N K2CR2O7 MG/L	12/10/73-09/18/91	35	23.	36.829	186.	3.	1243.852	35.268	16.6	19.	35.	88.8
00400p	PH (STANDARD UNITS)	05/01/67-09/18/91	121	7.8	7.834	8.4	7.3	0.053	0.231	7.6	7.7	8.	8.1
00400p	CONVERTED PH (STANDARD UNITS)	05/01/67-09/18/91	121	7.8	7.775	8.4	7.3	0.057	0.238	7.6	7.7	8.	8.1
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/18/91	121	0.016	0.017	0.05	0.004	0.	0.009	0.008	0.01	0.02	0.025
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/10/73-09/18/91	36	16.5	144.667	3500.	4.	339819.257	582.94	6.	10.	30.75	261.7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/74-09/18/91	19	0.44	0.659	3.36	0.3	0.473	0.688	0.31	0.37	0.65	1.02
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/18/91	19	0.1	0.145	0.56	0.03	0.02	0.142	0.04	0.05	0.16	0.43
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/25/74-09/18/91	19	0.8	0.793	1.14	0.44	0.026	0.161	0.57	0.66	0.92	0.97

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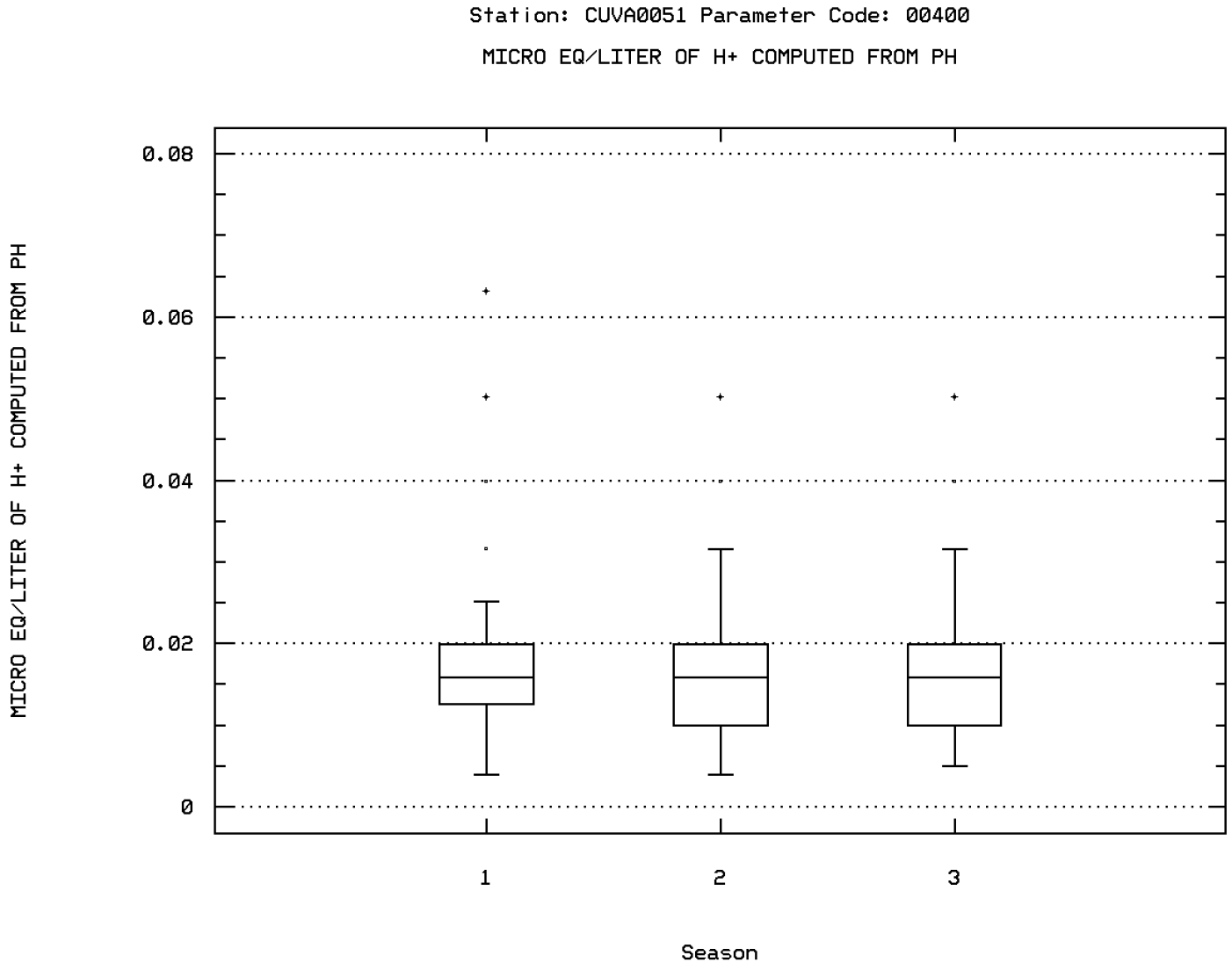
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/18/91	105	18.5	17.952	28.	6.5	25.68	5.068	11.	14.	22.	25.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/18/91	105	7.7	7.572	11.8	1.6	3.977	1.994	5.	6.8	8.6	10.16
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-01/28/75	103	4.3	5.678	37.8	0.2	21.43	4.629	2.6	3.1	7.	9.92
00335	COD, .025N K2CR2O7 MG/L	12/10/73-09/18/91	21	25.	41.943	227.	5.8	2770.669	52.637	18.	20.5	34.	140.8
00400p	PH (STANDARD UNITS)	05/01/67-09/18/91	104	7.8	7.805	8.3	7.3	0.043	0.208	7.55	7.7	8.	8.1
00400p	CONVERTED PH (STANDARD UNITS)	05/01/67-09/18/91	104	7.8	7.758	8.3	7.3	0.046	0.214	7.55	7.7	8.	8.1
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/18/91	104	0.016	0.017	0.05	0.005	0.	0.008	0.008	0.01	0.02	0.028
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/10/73-09/18/91	22	13.5	103.545	1038.	4.	69219.022	263.095	5.	6.	37.	569.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/74-09/18/91	6	0.65	0.723	1.23	0.45	0.089	0.298	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/18/91	6	0.07	0.087	0.19	0.05	0.003	0.052	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/25/74-09/18/91	6	0.495	0.465	0.61	0.21	0.02	0.142	**	**	**	**

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



L. CUYAHOGA R. AT AKRON - NEAR MOUTH



L. CUYAHOGA R. AT AKRON - NEAR MOUTH

Station Inventory for Station: CUVA0052

NPS Station ID: CUVA0052 | LAT/LON: 41.116948/ -81.525004 | Agency: 21OHIO | Date Created: / /
Location: CUYAHOGA R. AT AKRON - CUYAHOGA ST. | FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 502150
RMI-Indexes: 0603002 | Within Park Boundary: No
RMI-Miles: 0042.60
HUC: 04110002 | Depth of Water: 0 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER | ECO Region:
RF1 Index: 04110002004 | RF1 Mile Point: 0.490 | Distance from RF1: 0.00 | On/Off RF1: ON
RF3 Index: 04110002000132.17 | RF3 Mile Point: 32.16 | Distance from RF3: 0.00 | On/Off RF3:
Description:
PURPOSE - MEASURES THE WATER QUALITY BEFORE CONFLUENCE OF L. CUYAHOGA. LOCATION - SUMMIT CO.; ON CUYAHOGA ST. BRIDGE NORTH OF AKRON. STREET PARALLELS U.S. 8 APPROX. 1 MILE. COLLECTION - GRAB SAMPLE BY AKRON WATER POLLUTION CONTROL LAB.

Parameter Inventory for Station: CUVA0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/24/91	341	15.	14.392	31.5	0.	82.781	9.098	3.	5.	23.	26.4
00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/10/73-01/28/75	98	2.	1.663	4.	0.	0.824	0.908	1.	1.	2.	3.
00080	COLOR (PLATINUM-COBALT UNITS)	12/10/73-01/28/75	99	1.	1.414	4.	0.	1.	1.	0.	1.	2.	3.
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	12/10/73-01/28/75	99	1.	1.182	4.	0.	1.314	1.146	0.	0.	2.	3.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/84-09/24/91	18	665.	659.833	930.	360.	18198.147	134.901	477.	571.5	730.	876.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/84-09/10/87	12	647.5	659.833	892.	485.	19612.152	140.043	487.4	541.25	803.75	880.9
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/24/91	342	9.	9.389	14.5	4.9	6.391	2.528	6.3	7.2	11.8	13.
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-09/24/84	326	2.7	2.826	10.7	0.1	2.135	1.461	1.3	1.9	3.6	4.4
00335	COD, .025N K2CR2O7 MG/L	12/10/73-09/24/91	113	19.	19.196	45.	1.6	48.944	6.996	10.	15.	24.	28.
00400p	PH (STANDARD UNITS)	05/01/67-09/24/91	339	7.8	7.847	8.7	6.8	0.075	0.275	7.6	7.7	8.	8.3
00400p	CONVERTED PH (STANDARD UNITS)	05/01/67-09/24/91	339	7.8	7.766	8.7	6.8	0.082	0.286	7.6	7.7	8.	8.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/24/91	339	0.016	0.017	0.158	0.002	0.	0.012	0.005	0.01	0.02	0.025
00403	PH, LAB, STANDARD UNITS SU	12/12/73-12/18/73	2	8.35	8.35	8.8	7.9	0.405	0.636	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/12/73-12/18/73	2	8.15	8.15	8.8	7.9	0.485	0.697	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/12/73-12/18/73	2	0.007	0.007	0.013	0.002	0.	0.008	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/01/67-12/13/71	220	96.	98.355	144.	48.	521.39	22.834	68.	80.	119.	132.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/10/73-09/24/91	115	10.	14.374	126.	0.	278.627	16.692	2.8	6.	16.	27.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/74-09/24/91	57	0.22	0.253	1.	0.025	0.051	0.225	0.05	0.09	0.29	0.576
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/24/91	56	0.05	0.054	0.24	0.01	0.002	0.04	0.017	0.02	0.08	0.1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/84-09/24/91	19	0.7	0.784	1.6	0.5	0.061	0.248	0.5	0.6	0.9	1.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/25/74-09/24/91	57	0.87	1.052	3.38	0.31	0.352	0.593	0.554	0.65	1.185	1.924
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/10/73-01/28/75	83	0.74	1.027	3.25	0.15	0.515	0.718	0.314	0.52	1.45	2.13
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/84-09/24/91	19	0.1	0.105	0.3	0.025	0.005	0.069	0.025	0.05	0.12	0.22
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/30/84-09/24/91	11 ##	0.003	0.003	0.006	0.003	0.	0.001	0.003	0.003	0.003	0.005
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/84-09/24/91	19	243.	227.789	279.	157.	1289.398	35.908	171.	199.	257.	271.
00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/84-09/24/91	19	70.9	65.942	82.	45.8	113.137	10.637	50.	56.9	75.	79.
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	08/13/85-08/13/85	1	4510.	4510.	4510.	4510.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/13/85-08/13/85	1	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/30/84-09/24/91	19	16.	15.311	18.	10.3	6.214	2.493	11.1	13.2	17.3	18.
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	08/13/85-08/13/85	1	148.	148.	148.	148.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	08/13/85-08/13/85	1	1450.	1450.	1450.	1450.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/18/86-09/24/91	7	152.	136.857	163.	96.	784.476	28.009	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/30/84-09/24/91	19	3.	2.316	5.	1.	1.228	1.108	1.	1.	3.	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

Parameter Inventory for Station: CUVA0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/13/85-08/13/85	1	10.6	10.6	10.6	10.6	0.	0.	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	08/13/85-08/13/85	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/30/84-09/24/91	19	0.2	0.547	3.	0.1	0.797	0.893	0.1	0.1	0.3	3.
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	1	0.84	0.84	0.84	0.84	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/30/84-09/24/91	19 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042	COPPER, TOTAL (UG/L AS CU)	07/30/84-09/24/91	19 ##	5.	5.789	15.	2.	8.842	2.974	3.	5.	5.	10.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/13/85-08/13/85	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/30/84-09/10/87	13	360.	582.308	2350.	300.	314385.897	560.701	308.	340.	520.	1802.
01051	LEAD, TOTAL (UG/L AS PB)	07/30/84-09/24/91	19 ##	1.	2.316	10.	1.	5.784	2.405	1.	1.	3.	6.
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/13/85-08/13/85	1	615.	615.	615.	615.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/13/85-08/13/85	1	665.	665.	665.	665.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/24/87-09/10/87	3	130.	130.333	150.	111.	380.333	19.502	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/30/84-09/24/91	19 ##	20.	20.	20.	20.	0.	0.	20.	20.	20.	20.
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/13/85-08/13/85	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/30/84-09/24/91	19 ##	5.	13.421	50.	5.	183.48	13.545	5.	5.	15.	40.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/13/85-08/13/85	1	222.	222.	222.	222.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/24/87-09/10/87	3	250.	336.667	520.	240.	25233.333	158.85	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/13/85-08/13/85	1	12800.	12800.	12800.	12800.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/13/85-08/13/85	1	48200.	48200.	48200.	48200.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/14/84-09/24/84	4	285.	295.	390.	220.	5100.	71.414	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/14/84-09/24/84	4	2.454	2.46	2.591	2.342	0.011	0.103	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			288.731								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/30/84-09/24/91	12 ##	5.	5.417	10.	5.	2.083	1.443	5.	5.	5.	8.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/30/84-09/24/91	18	441.	454.778	620.	310.	11979.83	109.452	322.6	357.5	579.5	602.
71900	MERCURY, TOTAL (UG/L AS HG)	07/30/84-09/17/84	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/11/91-09/24/91	6 ##	0.5	0.717	1.3	0.5	0.122	0.349	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0052

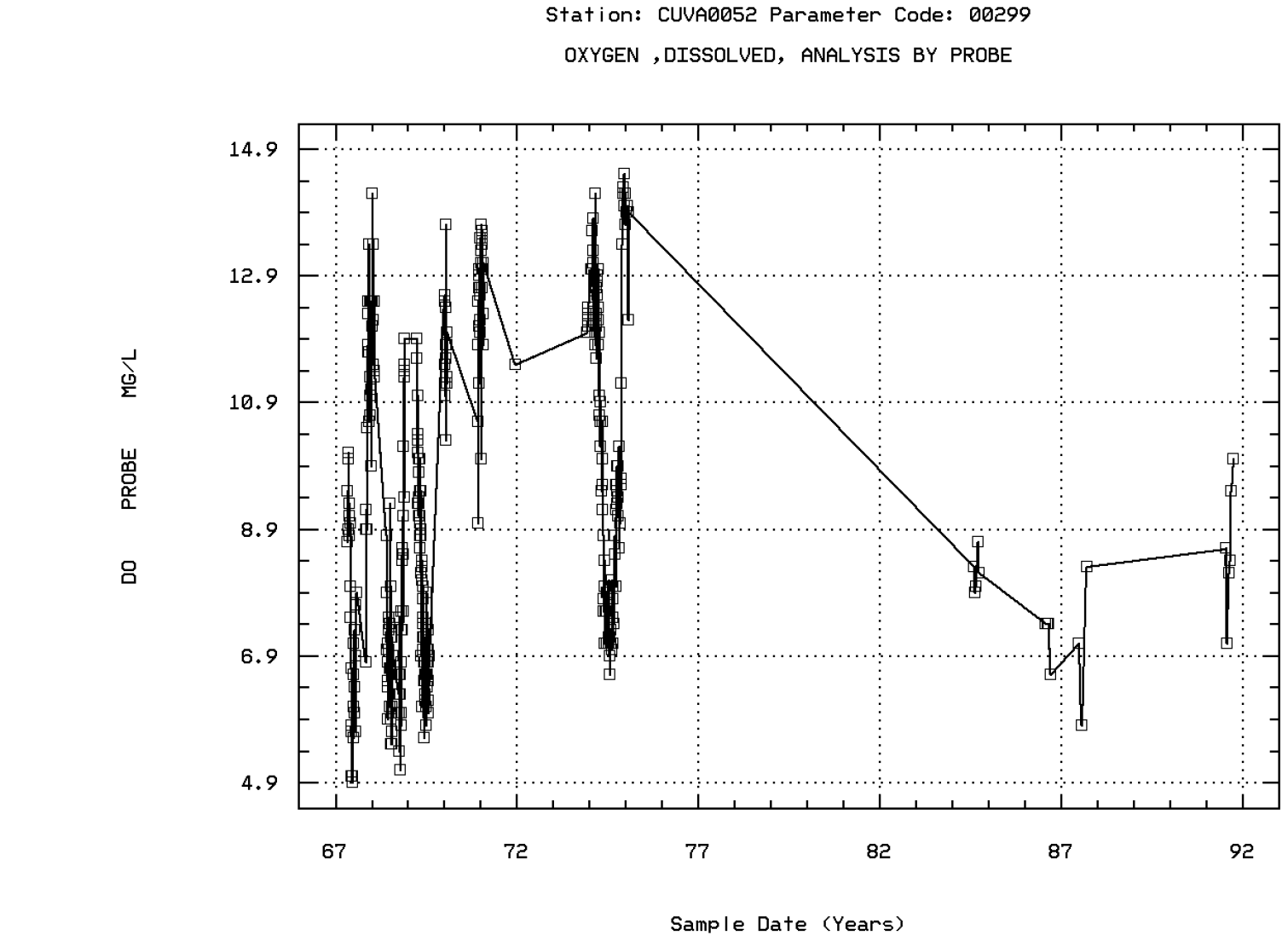
Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	98	0	0.00	32	0	0.00	38	0	0.00	28	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	342	0	0.00	104	0	0.00	126	0	0.00	112	0	0.00			
00400	PH	Other-Hi Lim.	9.	339	0	0.00	104	0	0.00	124	0	0.00	111	0	0.00			
		Other-Lo Lim.	6.5	339	0	0.00	104	0	0.00	124	0	0.00	111	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00				2	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00				2	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	56	0	0.00	33	0	0.00	14	0	0.00	9	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	57	0	0.00	34	0	0.00	14	0	0.00	9	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	11	0	0.00	11	0	0.00									
		Drinking Water	0.2	11	0	0.00	11	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	7	0	0.00	7	0	0.00									
		Drinking Water	250.	7	0	0.00	7	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	19	0	0.00	18	0	0.00				1	0	0.00			
		Drinking Water	50.	19	0	0.00	18	0	0.00				1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	19	0	0.00	18	0	0.00				1	0	0.00			
		Drinking Water	5.	19	0	0.00	18	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	19	0	0.00	18	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	19	0	0.00	18	0	0.00				1	0	0.00			
		Drinking Water	1300.	19	0	0.00	18	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	19	0	0.00	18	0	0.00				1	0	0.00			
		Drinking Water	15.	19	0	0.00	18	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	19	0	0.00	18	0	0.00				1	0	0.00			
		Drinking Water	100.	19	0	0.00	18	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	19	0	0.00	18	0	0.00				1	0	0.00			
		Drinking Water	5000.	19	0	0.00	18	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

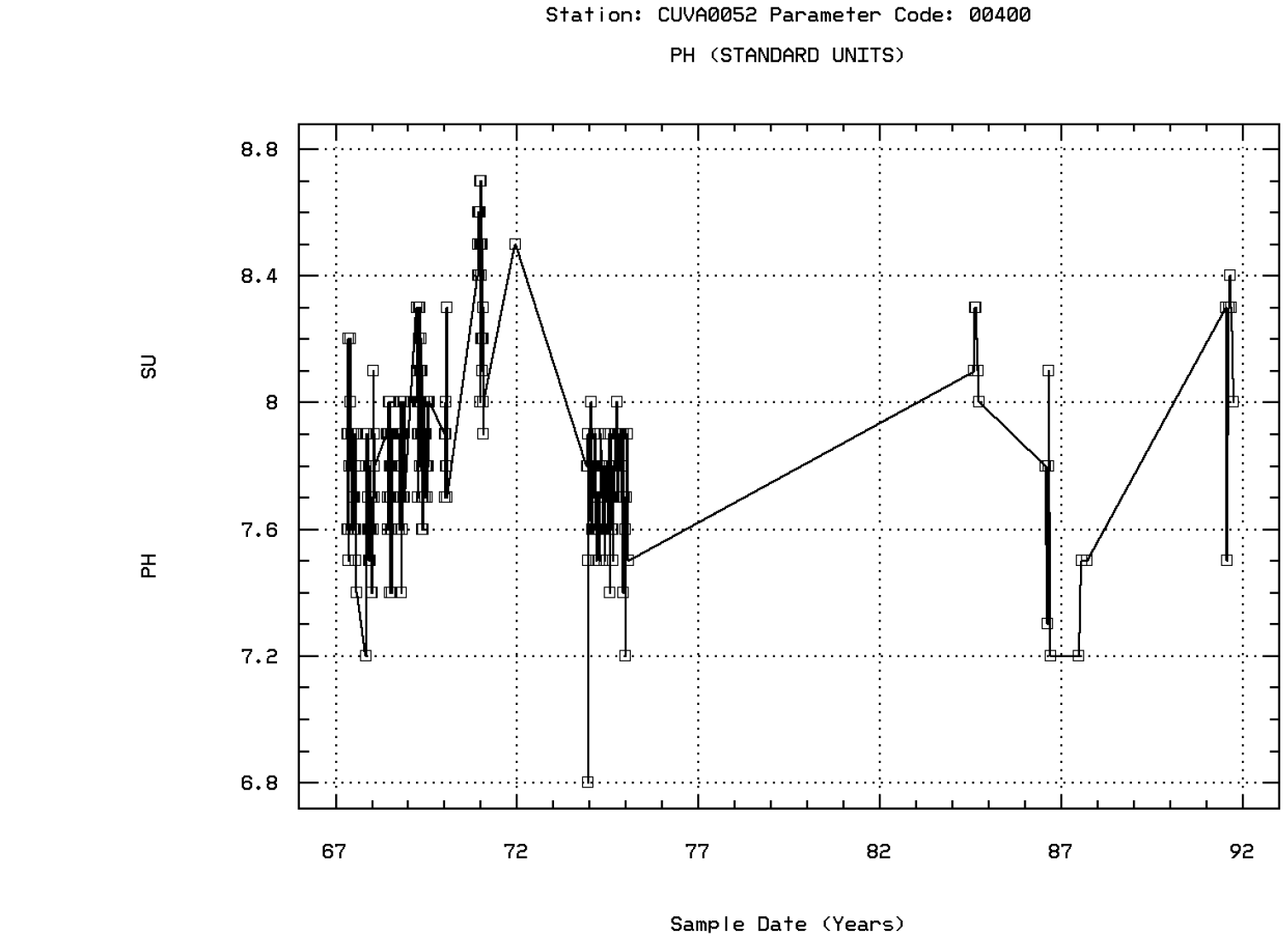
EPA Water Quality Criteria Analysis for Station: CUVA0052

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	4	1.00	4	4	1.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	4	0	0.00	4	0	0.00									
		Drinking Water	2.	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



CUYAHOGA R. AT AKRON - CUYAHOGA ST.



CUYAHOGA R. AT AKRON - CUYAHOGA ST.

Annual Analysis for 1967 - Station CUVA0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/24/91	49	14.	15.347	29.	3.	81.19	9.011	4.	5.	25.	27.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/24/91	49	8.9	8.743	13.4	4.9	5.683	2.384	5.7	6.65	10.65	12.3
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-09/24/84	49	3.2	3.271	7.7	0.2	2.538	1.593	1.2	2.15	3.95	5.6
00400	PH (STANDARD UNITS)	05/01/67-09/24/91	49	7.7	7.72	8.2	7.2	0.038	0.195	7.5	7.6	7.9	7.9
00400	CONVERTED PH (STANDARD UNITS)	05/01/67-09/24/91	49	7.7	7.678	8.2	7.2	0.04	0.199	7.5	7.6	7.9	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/24/91	49	0.02	0.021	0.063	0.006	0.	0.01	0.013	0.013	0.025	0.032
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/01/67-12/13/71	49	104.	104.367	144.	60.	569.946	23.874	76.	80.	126.	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

Annual Analysis for 1968 - Station CUVA0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/24/91	66	19.	16.545	28.	2.	68.252	8.261	4.	10.	23.25	26.3
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/24/91	66	7.3	8.091	14.2	5.1	5.229	2.287	5.87	6.375	9.15	11.96
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-09/24/84	66	3.15	3.318	10.7	0.5	3.65	1.91	1.24	2.175	4.125	5.
00400	PH (STANDARD UNITS)	05/01/67-09/24/91	66	7.9	7.803	8.1	7.4	0.032	0.179	7.6	7.7	7.9	8.
00400	CONVERTED PH (STANDARD UNITS)	05/01/67-09/24/91	66	7.9	7.764	8.1	7.4	0.034	0.183	7.6	7.7	7.9	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/24/91	66	0.013	0.017	0.04	0.008	0.	0.008	0.01	0.013	0.02	0.025
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/01/67-12/13/71	66	116.	113.515	140.	72.	259.823	16.119	88.	104.	128.	132.

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

Annual Analysis for 1969 - Station CUVA0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/24/91	60	20.	18.7	28.	5.	34.146	5.843	11.	13.	23.75	25.9
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/24/91	60	7.45	7.933	11.9	5.6	2.397	1.548	6.2	6.65	9.1	10.09
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-09/24/84	60	3.2	3.258	6.7	1.2	1.186	1.089	1.91	2.725	3.7	4.4
00400	PH (STANDARD UNITS)	05/01/67-09/24/91	60	7.9	7.925	8.3	7.6	0.027	0.164	7.7	7.8	8.	8.1
00400	CONVERTED PH (STANDARD UNITS)	05/01/67-09/24/91	60	7.9	7.896	8.3	7.6	0.028	0.167	7.7	7.8	8.	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/24/91	60	0.013	0.013	0.025	0.005	0.	0.005	0.008	0.01	0.016	0.02
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/01/67-12/13/71	60	84.	85.433	124.	48.	352.962	18.787	64.	72.	95.	119.6

** - 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 1970 - Station CUVA0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/24/91	30	3.	3.3	7.	0.	2.355	1.535	1.1	2.	4.25	5.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/24/91	30	12.	11.933	13.7	9.	0.942	0.97	10.64	11.275	12.6	12.99
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-09/24/84	30	2.45	2.613	4.8	0.7	0.727	0.852	1.62	2.075	3.425	3.69
00400	PH (STANDARD UNITS)	05/01/67-09/24/91	30	8.3	8.18	8.7	7.7	0.111	0.333	7.71	7.875	8.5	8.6
00400	CONVERTED PH (STANDARD UNITS)	05/01/67-09/24/91	30	8.3	8.063	8.7	7.7	0.125	0.353	7.71	7.875	8.5	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/24/91	30	0.005	0.009	0.02	0.002	0.	0.006	0.003	0.003	0.013	0.02
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/01/67-12/13/71	30	86.	88.067	132.	60.	474.064	21.773	60.4	68.	108.	115.6

** - 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 1971 - Station CUVA0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/24/91	15	3.	3.2	6.	0.	1.886	1.373	1.2	2.	4.	4.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/24/91	15	13.	12.733	13.7	10.	0.97	0.985	10.9	12.3	13.4	13.64
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-09/24/84	15	2.5	2.393	5.4	0.4	1.481	1.217	0.76	1.6	3.2	4.38
00400	PH (STANDARD UNITS)	05/01/67-09/24/91	15	8.4	8.333	8.7	7.9	0.051	0.226	7.96	8.2	8.5	8.58
00400	CONVERTED PH (STANDARD UNITS)	05/01/67-09/24/91	15	8.4	8.276	8.7	7.9	0.054	0.233	7.96	8.2	8.5	8.58
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/24/91	15	0.004	0.005	0.013	0.002	0.	0.003	0.003	0.003	0.006	0.011
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/01/67-12/13/71	15	80.	84.267	104.	60.	161.067	12.691	67.2	76.	96.	101.6

** - 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 1973 - Station CUVA0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/24/91	5	5.	4.9	6.	4.	0.8	0.894	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/24/91	5	12.2	12.2	12.4	12.	0.025	0.158	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-09/24/84	5	1.8	2.04	3.4	1.4	0.613	0.783	**	**	**	**
00400	PH (STANDARD UNITS)	05/01/67-09/24/91	5	7.8	7.56	7.9	6.8	0.203	0.451	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/01/67-09/24/91	5	7.8	7.329	7.9	6.8	0.27	0.519	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/24/91	5	0.016	0.047	0.158	0.013	0.004	0.063	**	**	**	**

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

Annual Analysis for 1974 - Station CUVA0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/24/91	91	15.	14.538	31.5	0.	84.746	9.206	2.	5.	23.	27.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/24/91	92	9.6	10.114	14.5	6.6	5.552	2.356	7.2	8.	12.375	13.54
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-09/24/84	90	2.1	2.289	9.6	0.1	1.436	1.198	1.2	1.7	2.6	3.39
00400	PH (STANDARD UNITS)	05/01/67-09/24/91	91	7.7	7.72	8.	7.2	0.021	0.145	7.6	7.6	7.8	7.9
00400	CONVERTED PH (STANDARD UNITS)	05/01/67-09/24/91	91	7.7	7.694	8.	7.2	0.022	0.148	7.6	7.6	7.8	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/24/91	91	0.02	0.02	0.063	0.01	0.	0.008	0.013	0.016	0.025	0.025

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

Annual Analysis for 1975 - Station CUVA0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/24/91	6	2.	1.75	3.	0.5	0.775	0.88	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/24/91	6	13.9	13.65	14.	12.2	0.507	0.712	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-09/24/84	6	1.25	1.267	1.9	0.8	0.151	0.388	**	**	**	**
00400	PH (STANDARD UNITS)	05/01/67-09/24/91	4	7.6	7.65	7.9	7.5	0.037	0.191	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/01/67-09/24/91	4	7.589	7.621	7.9	7.5	0.038	0.194	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/24/91	4	0.026	0.024	0.032	0.013	0.	0.009	**	**	**	**

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

Annual Analysis for 1984 - Station CUVA0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/24/91	5	21.	21.8	25.	18.	8.575	2.928	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/24/91	5	8.2	8.22	8.7	7.9	0.097	0.311	**	**	**	**

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

Annual Analysis for 1984 - Station CUVA0052

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	05/01/67-09/24/84	5	1.7	1.7	2.4	1.1	0.225	0.474	**	**	**	**
00400	PH (STANDARD UNITS)	05/01/67-09/24/91	5	8.1	8.16	8.3	8.	0.018	0.134	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/01/67-09/24/91	5	8.1	8.144	8.3	8.	0.018	0.135	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/24/91	5	0.008	0.007	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 box-and-whisker plot

Annual Analysis for 1986 - Station CUVA0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/24/91	5	23.	23.5	30.	20.	17.	4.123	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/24/91	5	7.4	7.24	7.4	6.6	0.128	0.358	**	**	**	**
00400	PH (STANDARD UNITS)	05/01/67-09/24/91	5	7.8	7.64	8.1	7.2	0.143	0.378	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/01/67-09/24/91	5	7.8	7.515	8.1	7.2	0.163	0.403	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/24/91	5	0.016	0.031	0.063	0.008	0.001	0.024	**	**	**	**

** - 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

Annual Analysis for 1987 - Station CUVA0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/24/91	3	24.	23.5	26.5	20.	10.75	3.279	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/24/91	3	7.1	7.067	8.3	5.8	1.563	1.25	**	**	**	**
00400	PH (STANDARD UNITS)	05/01/67-09/24/91	3	7.5	7.4	7.5	7.2	0.03	0.173	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/01/67-09/24/91	3	7.5	7.376	7.5	7.2	0.031	0.176	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/24/91	3	0.032	0.042	0.063	0.032	0.	0.018	**	**	**	**

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

Annual Analysis for 1991 - Station CUVA0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/24/91	6	23.75	23.267	29.	17.3	17.711	4.208	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/24/91	6	8.5	8.633	10.	7.1	1.043	1.021	**	**	**	**
00400	PH (STANDARD UNITS)	05/01/67-09/24/91	6	8.3	8.133	8.4	7.5	0.115	0.339	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/01/67-09/24/91	6	8.3	7.995	8.4	7.5	0.137	0.371	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/24/91	6	0.005	0.01	0.032	0.004	0.	0.011	**	**	**	**

** - Less than 9 observations ## - Computed 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: 7/01 to 10/31 - Station CUVA0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/24/91	104	23.75	22.674	31.5	11.	19.079	4.368	16.	20.	26.	27.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/84-09/24/91	17	670.	669.824	930.	360.	17426.779	132.011	508.	591.	740.	882.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/24/91	104	7.25	7.4	10.2	5.1	1.403	1.185	5.95	6.6	8.175	9.3
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-09/24/84	91	2.2	2.534	10.7	0.1	2.165	1.471	1.2	1.7	3.2	4.3
00335	COD, .025N K2CR2O7 MG/L	12/10/73-09/24/91	47	20.	20.255	45.	5.	62.238	7.889	9.6	16.	26.	29.
00400p	PH (STANDARD UNITS)	05/01/67-09/24/91	104	7.8	7.795	8.4	7.2	0.05	0.223	7.5	7.7	7.9	8.
00400p	CONVERTED PH (STANDARD UNITS)	05/01/67-09/24/91	104	7.8	7.74	8.4	7.2	0.053	0.23	7.5	7.7	7.9	8.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/24/91	104	0.016	0.018	0.063	0.004	0.	0.01	0.01	0.013	0.02	0.032
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/10/73-09/24/91	47	8.	10.766	53.	0.	112.281	10.596	2.4	5.	13.	18.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/74-09/24/91	34	0.17	0.165	0.34	0.025	0.01	0.098	0.038	0.068	0.26	0.295
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/24/91	33	0.05	0.05	0.14	0.01	0.001	0.028	0.02	0.03	0.07	0.086
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/84-09/24/91	18	0.7	0.778	1.6	0.5	0.064	0.253	0.5	0.6	0.9	1.06
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/25/74-09/24/91	34	1.09	1.277	3.38	0.58	0.427	0.654	0.61	0.835	1.603	2.26
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/84-09/24/91	18	0.1	0.103	0.3	0.025	0.005	0.07	0.025	0.045	0.12	0.228
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/84-09/24/91	18	244.	230.944	279.	157.	1164.997	34.132	179.5	203.5	257.75	271.8
00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/84-09/24/91	18	70.95	66.828	82.	45.8	104.012	10.199	53.54	58.4	75.25	79.3
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/30/84-09/24/91	18	16.3	15.539	18.	10.3	5.531	2.352	11.02	13.8	17.3	18.
01002	ARSENIC, TOTAL (UG/L AS AS)	07/30/84-09/24/91	18	2.5	2.278	5.	1.	1.271	1.127	1.	1.	3.	3.2
01027	CADMIUM, TOTAL (UG/L AS CD)	07/30/84-09/24/91	18	0.2	0.561	3.	0.1	0.84	0.917	0.1	0.1	0.425	3.
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/30/84-09/24/91	18 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042	COPPER, TOTAL (UG/L AS CU)	07/30/84-09/24/91	18 ##	5.	5.833	15.	2.	9.324	3.053	2.9	5.	5.5	10.5
01051	LEAD, TOTAL (UG/L AS PB)	07/30/84-09/24/91	18 ##	1.	2.222	10.	1.	5.948	2.439	1.	1.	2.25	6.4
01067	NICKEL, TOTAL (UG/L AS NI)	07/30/84-09/24/91	18 ##	20.	20.	20.	20.	0.	0.	20.	20.	20.	20.
01092	ZINC, TOTAL (UG/L AS ZN)	07/30/84-09/24/91	18 ##	5.	13.611	50.	5.	193.546	13.912	5.	5.	16.25	41.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/30/84-09/24/91	17	442.	462.235	620.	310.	11664.941	108.004	321.2	368.	581.	604.

** - Less than 9 observations ## - Computed 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: 11/01 to 3/14 - Station CUVA0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/24/91	125	4.	4.596	17.	0.	10.475	3.236	2.	3.	5.	10.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/24/91	126	12.2	11.884	14.5	6.8	2.652	1.628	9.1	11.2	13.	13.83
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-09/24/84	126	2.45	2.766	10.7	0.1	2.668	1.633	1.1	1.7	3.5	4.39
00335	COD, .025N K2CR2O7 MG/L	12/10/73-09/24/91	38	16.	16.747	31.	1.6	32.475	5.699	9.98	12.75	20.25	25.
00400p	PH (STANDARD UNITS)	05/01/67-09/24/91	124	7.9	7.906	8.7	6.8	0.125	0.354	7.5	7.7	8.075	8.5
00400p	CONVERTED PH (STANDARD UNITS)	05/01/67-09/24/91	124	7.9	7.771	8.7	6.8	0.144	0.379	7.5	7.7	8.075	8.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/24/91	124	0.013	0.017	0.158	0.002	0.	0.017	0.003	0.008	0.02	0.032
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/10/73-09/24/91	38	9.5	12.737	47.	3.	81.496	9.028	5.	6.	16.	26.3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/74-09/24/91	14	0.195	0.343	1.	0.04	0.116	0.34	0.065	0.105	0.665	0.985
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/24/91	14	0.02	0.035	0.1	0.01	0.001	0.027	0.01	0.018	0.06	0.085
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/25/74-09/24/91	14	0.73	0.744	0.95	0.57	0.016	0.125	0.59	0.64	0.83	0.95

** - 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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/67-09/24/91	112	19.	17.634	29.	4.	41.221	6.42	8.	13.	23.	25.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/84-09/24/91	1	490.	490.	490.	490.	0.	0.	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/67-09/24/91	112	8.1	8.429	13.	4.9	3.641	1.908	6.1	7.	9.575	11.
00310	BOD, 5 DAY, 20 DEG C MG/L	05/01/67-09/24/84	109	3.1	3.14	6.7	0.2	1.356	1.164	1.8	2.35	3.65	4.5
00335	COD, .025N K2CR2O7 MG/L	12/10/73-09/24/91	28	22.	20.739	33.	2.7	39.629	6.295	11.7	18.	24.	28.1
00400p	PH (STANDARD UNITS)	05/01/67-09/24/91	111	7.8	7.829	8.3	7.2	0.038	0.196	7.6	7.7	7.9	8.1
00400p	CONVERTED PH (STANDARD UNITS)	05/01/67-09/24/91	111	7.8	7.785	8.3	7.2	0.04	0.201	7.6	7.7	7.9	8.1

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

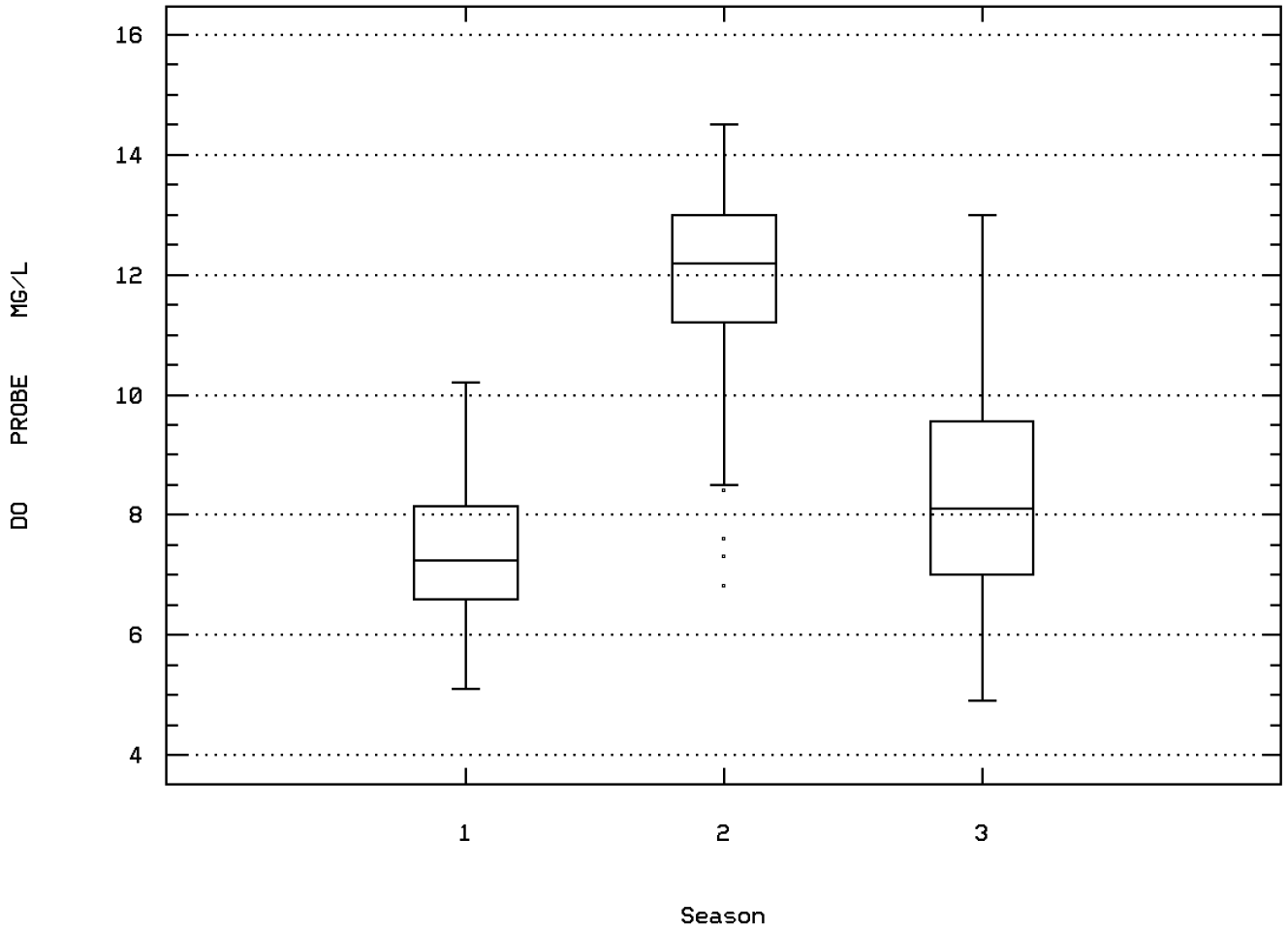
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/67-09/24/91	111	0.016	0.016	0.063	0.005	0.	0.008	0.008	0.013	0.02	0.025
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/10/73-09/24/91	30	12.	22.1	126.	2.	726.852	26.96	4.1	8.	21.25	64.9
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/74-09/24/91	9	0.45	0.446	0.84	0.22	0.04	0.199	0.22	0.255	0.56	0.84
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/24/91	9	0.09	0.1	0.24	0.03	0.004	0.06	0.03	0.065	0.115	0.24
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/84-09/24/91	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/25/74-09/24/91	9	0.49	0.68	1.24	0.31	0.137	0.37	0.31	0.335	1.045	1.24
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/84-09/24/91	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/84-09/24/91	1	171.	171.	171.	171.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/84-09/24/91	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/30/84-09/24/91	1	11.2	11.2	11.2	11.2	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/30/84-09/24/91	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/30/84-09/24/91	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/30/84-09/24/91	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/30/84-09/24/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/30/84-09/24/91	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/30/84-09/24/91	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/30/84-09/24/91	1	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/30/84-09/24/91	1	328.	328.	328.	328.	0.	0.	**	**	**	**

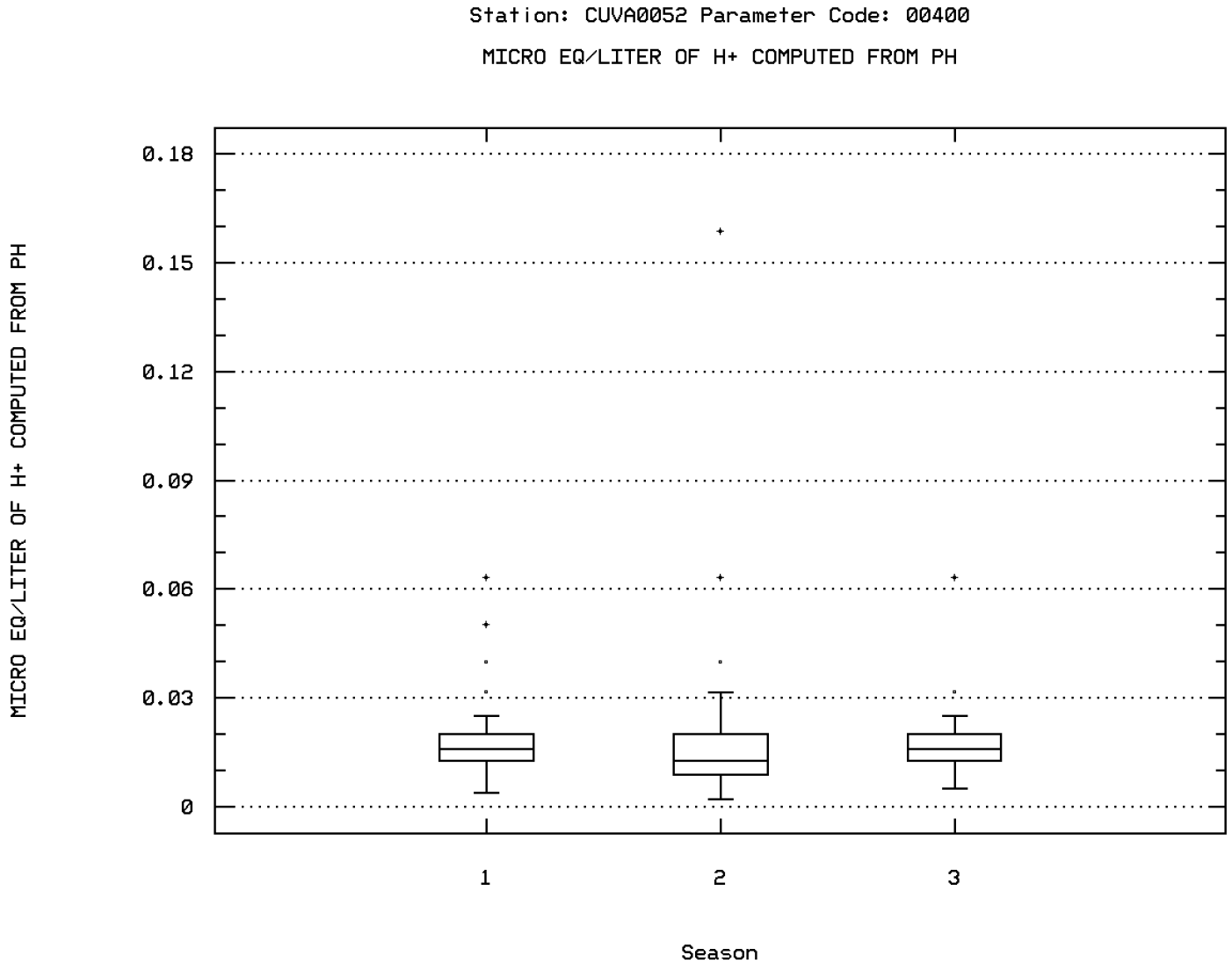
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: CUVA0052 Parameter Code: 00299

OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



CUYAHOGA R. AT AKRON - CUYAHOGA ST.



CUYAHOGA R. AT AKRON - CUYAHOGA ST.

Station Inventory for Station: CUVA0053

NPS Station ID: CUVA0053
LAT/LON: 41.116948/ -81.525004
Agency: 21OHIO
Date Created: / /
Location: CUYAHOGA R. AT STATION RD.
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 502170
RMI-Indexes: 0603002
Within Park Boundary: No
RMI-Miles: 0020.80
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002004
RF1 Mile Point: 0.490
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 04110002000136.68
RF3 Mile Point: 38.51
Distance from RF3: 0.00
On/Off RF3:
Description:
PURPOSE - MEASURES LONG TERM IMPACT OF AKRON S.T.P. LOCATION - SUMMIT CO.; JUST SOUTH OF RT. 82 ON STATION RD. BRIDGE WHICH CAN BE REACHED FROM RIVERVIEW RD. OR ROUTE 82. COLLECTION - GRAB SAMPLES BY AKRON WATER POLLUTION CONTROL LAB.

Parameter Inventory for Station: CUVA0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/14/73-07/02/91	89	19.	15.657	27.	1.	69.822	8.356	3.	6.	23.	24.5
00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/18/73-01/31/75	50	2.	2.5	5.	1.	1.316	1.147	1.	2.	3.	4.
00080	COLOR (PLATINUM-COBALT UNITS)	12/18/73-01/31/75	50	2.	1.96	5.	0.	1.141	1.068	0.1	1.	2.	3.
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	12/18/73-01/31/75	49	1.	1.469	4.	0.	1.546	1.243	0.	0.	2.5	3.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/84-07/02/91	35	763.	738.029	1103.	330.	37219.499	192.924	421.4	643.	908.	1000.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/75-07/02/91	37	778.	759.784	1100.	397.	31057.341	176.231	450.	654.5	867.5	1001.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/14/73-07/02/91	87	7.8	8.341	13.4	4.	7.125	2.669	4.7	6.3	10.5	12.64
00310	BOD, 5 DAY, 20 DEG C MG/L	12/14/73-08/21/75	53	8.	8.883	22.	1.4	17.251	4.153	4.2	6.2	10.5	14.92
00335	COD, .025N K2CR2O7 MG/L	12/18/73-09/10/87	54	26.5	28.296	58.	10.	114.967	10.722	16.5	21.	34.	44.
00400	PH (STANDARD UNITS)	12/18/73-07/02/91	81	7.6	7.562	8.4	4.8	0.185	0.43	7.22	7.4	7.8	8.
00400	CONVERTED PH (STANDARD UNITS)	12/18/73-07/02/91	81	7.6	6.641	8.4	4.8	1.042	1.021	7.22	7.4	7.8	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/18/73-07/02/91	81	0.025	0.228	15.849	0.004	3.09	1.758	0.01	0.016	0.04	0.061
00403	PH, LAB, STANDARD UNITS SU	12/18/73-08/21/89	2	8.2	8.2	8.5	7.9	0.18	0.424	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/18/73-08/21/89	2	8.104	8.104	8.5	7.9	0.199	0.446	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/18/73-08/21/89	2	0.008	0.008	0.013	0.003	0.	0.007	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/27/75-08/21/75	2	555.5	555.5	738.	373.	66612.5	258.094	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/14/73-07/02/91	71	23.	57.817	992.	2.	17512.323	132.334	7.4	11.	42.	153.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/74-07/02/91	69	0.44	0.719	4.24	0.025	0.885	0.941	0.025	0.05	0.94	1.98
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/10/87	39	0.16	0.284	2.36	0.04	0.144	0.379	0.06	0.1	0.42	0.51
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/27/75-09/10/87	10	0.8	1.51	6.	0.6	2.737	1.654	0.61	0.7	1.475	5.63
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/25/74-09/10/87	42	1.46	1.683	5.	0.32	1.028	1.014	0.736	0.995	1.955	3.408
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	01/25/74-12/27/74	38	1.475	1.917	5.6	0.58	1.527	1.236	0.817	1.11	2.238	4.287
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/27/75-07/02/91	38	0.17	0.246	0.62	0.09	0.027	0.164	0.1	0.13	0.34	0.564
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/27/75-03/27/75	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/27/75-09/10/87	6	246.5	301.833	706.	156.	40559.367	201.394	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	11/03/81-09/10/87	4	65.35	65.25	70.7	59.6	38.23	6.183	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/03/81-09/10/87	4	15.25	15.325	17.3	13.5	4.016	2.004	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	06/24/87-09/10/87	3	2.	2.	3.	1.	1.	1.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/03/81-09/10/87	4 ##	0.175	0.188	0.3	0.1	0.011	0.103	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	03/27/75-03/27/75	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/27/75-09/10/87	5 ##	15.	18.	30.	15.	45.	6.708	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/27/75-09/10/87	6 ##	5.	13.333	30.	5.	166.667	12.91	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/03/81-07/02/91	30	795.	2676.	31400.	100.	34391314.483	5864.411	402.	512.5	1630.	7511.

** - Less than 9 observations ## - 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: CUVA0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051	LEAD, TOTAL (UG/L AS PB)	11/03/81-07/02/91	18	3.	11.861	148.	1.	1165.347	34.137	1.	1.	6.25	27.4
01055	MANGANESE, TOTAL (UG/L AS MN)	06/24/87-09/10/87	3	75.	91.667	135.	65.	1433.333	37.859	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/03/81-09/10/87	4 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/27/75-07/02/91	32	25.	42.188	350.	10.	3717.641	60.972	15.	20.	35.	82.5
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/24/87-09/10/87	3	330.	603.333	1230.	250.	296133.333	544.181	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/74-09/26/84	7	850.	1534.286	6000.	260.	4198728.571	2049.08	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/74-09/26/84	7	2.929	2.931	3.778	2.415	0.232	0.482	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			853.726								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	03/27/75-08/21/75	2	390.	390.	540.	240.	45000.	212.132	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	03/27/75-08/21/75	2	2.556	2.556	2.732	2.38	0.062	0.249	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			360.								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/75-08/21/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/21/75-08/21/75	1	0.59	0.59	0.59	0.59	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/24/87-07/02/91	29	468.	493.655	740.	264.	14024.02	118.423	302.	425.	568.	656.

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

EPA Water Quality Criteria Analysis for Station: CUVA0053

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	50	0	0.00	15	0	0.00	23	0	0.00	12	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	87	1	0.01	46	0	0.00	25	1	0.04	16	0	0.00			
00400	PH	Other-Hi Lim.	9.	81	0	0.00	40	0	0.00	24	0	0.00	17	0	0.00			
		Other-Lo Lim.	6.5	81	2	0.02	40	1	0.03	24	1	0.04	17	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00	1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	39	1	0.03	18	1	0.06	17	0	0.00	4	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	42	0	0.00	19	0	0.00	18	0	0.00	5	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	50.	3	0	0.00	2	0	0.00				1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	5.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	1	1.00							1	1	1.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	6	2	0.33	3	1	0.33	1	0	0.00	2	1	0.50			
		Drinking Water	1300.	6	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	18	1	0.06	15	1	0.07	1	0	0.00	2	0	0.00			
		Drinking Water	15.	18	1	0.06	15	1	0.07	1	0	0.00	2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	100.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	32	2	0.06	26	2	0.08	1	0	0.00	5	0	0.00			
		Drinking Water	5000.	32	0	0.00	26	0	0.00	1	0	0.00	5	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	7	7	1.00	5	5	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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/14/73-07/02/91	46	22.25	21.337	27.	9.	17.267	4.155	14.	19.375	24.125	26.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/84-07/02/91	31	800.	763.742	1103.	365.	33902.531	184.126	460.8	650.	908.	1000.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/75-07/02/91	32	796.5	785.219	1100.	397.	29843.015	172.751	489.4	684.25	884.5	1025.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/14/73-07/02/91	46	7.3	6.941	10.4	4.1	2.615	1.617	4.6	5.65	7.8	9.15
00335	COD, .025N K2CR2O7 MG/L	12/18/73-09/10/87	17	29.	28.882	49.	10.	118.61	10.891	10.	23.5	32.	48.2
00400	PH (STANDARD UNITS)	12/18/73-07/02/91	40	7.7	7.678	8.4	6.5	0.131	0.361	7.2	7.425	7.968	8.09
00400	CONVERTED PH (STANDARD UNITS)	12/18/73-07/02/91	40	7.7	7.491	8.4	6.5	0.166	0.408	7.2	7.425	7.967	8.09
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/18/73-07/02/91	40	0.02	0.032	0.316	0.004	0.002	0.049	0.008	0.011	0.038	0.063
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/14/73-07/02/91	30	12.	57.633	992.	2.	33116.723	181.98	5.	9.	20.5	155.9
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/74-07/02/91	43	0.12	0.483	4.24	0.025	0.67	0.819	0.025	0.025	0.57	1.828
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/10/87	18	0.435	0.438	2.36	0.04	0.265	0.515	0.058	0.13	0.495	0.758
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/25/74-09/10/87	19	1.88	2.331	5.	1.2	1.144	1.07	1.46	1.62	3.1	4.26
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/27/75-07/02/91	32	0.17	0.249	0.62	0.09	0.029	0.171	0.1	0.13	0.34	0.588
01045	IRON, TOTAL (UG/L AS FE)	11/03/81-07/02/91	25	750.	2666.4	31400.	100.	40431999.	6358.616	392.	495.	1115.	7992.
01051	LEAD, TOTAL (UG/L AS PB)	11/03/81-07/02/91	15	3.	13.267	148.	1.	1401.638	37.438	1.	1.	6.	67.6
01092	ZINC, TOTAL (UG/L AS ZN)	03/27/75-07/02/91	26	25.	44.615	350.	10.	4531.846	67.319	13.5	18.75	36.25	100.5

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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/14/73-07/02/91	26	4.5	5.231	16.	1.	15.005	3.874	2.	2.375	6.	13.65
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/14/73-07/02/91	25	11.7	11.172	13.4	4.	4.709	2.17	7.6	10.45	12.8	13.2
00335	COD, .025N K2CR2O7 MG/L	12/18/73-09/10/87	23	25.	29.043	58.	16.	138.68	11.776	17.4	21.	36.	51.8
00400	PH (STANDARD UNITS)	12/18/73-07/02/91	24	7.55	7.408	7.8	4.8	0.348	0.59	7.05	7.4	7.7	7.7
00400	CONVERTED PH (STANDARD UNITS)	12/18/73-07/02/91	24	7.547	6.159	7.8	4.8	1.976	1.406	7.05	7.4	7.7	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/18/73-07/02/91	24	0.028	0.693	15.849	0.016	10.422	3.228	0.02	0.02	0.04	0.094
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/14/73-07/02/91	24	27.5	69.875	430.	7.	10163.245	100.813	10.	20.	69.5	251.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/74-07/02/91	18	0.825	1.189	3.87	0.34	0.907	0.952	0.43	0.543	1.53	2.781
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/10/87	17	0.12	0.142	0.42	0.05	0.008	0.09	0.05	0.09	0.165	0.308
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/25/74-09/10/87	18	1.04	1.162	2.63	0.32	0.25	0.5	0.635	0.93	1.328	2.009
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/27/75-07/02/91	1	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/03/81-07/02/91	1	430.	430.	430.	430.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/03/81-07/02/91	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/27/75-07/02/91	1	30.	30.	30.	30.	0.	0.	**	**	**	**

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/14/73-07/02/91	17	19.	16.235	23.	4.	42.254	6.5	4.8	11.5	21.	23.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/84-07/02/91	4	585.5	538.75	654.	330.	23014.25	151.704	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/75-07/02/91	5	610.	597.	691.	446.	9934.	99.669	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/14/73-07/02/91	16	7.65	7.944	12.8	4.7	5.935	2.436	4.7	6.15	8.875	12.03
00335	COD, .025N K2CR2O7 MG/L	12/18/73-09/10/87	14	26.	26.357	41.	12.	82.555	9.086	13.5	17.75	34.25	39.
00400	PH (STANDARD UNITS)	12/18/73-07/02/91	17	7.4	7.505	8.	7.3	0.033	0.183	7.38	7.4	7.55	7.904
00400	CONVERTED PH (STANDARD UNITS)	12/18/73-07/02/91	17	7.4	7.476	8.	7.3	0.034	0.185	7.38	7.4	7.55	7.904
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/18/73-07/02/91	17	0.04	0.033	0.05	0.01	0.	0.01	0.013	0.028	0.04	0.042
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/14/73-07/02/91	17	28.	41.118	175.	9.	1468.235	38.318	10.6	22.	53.5	83.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/74-07/02/91	8	0.38	0.928	3.22	0.05	1.412	1.188	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/10/87	4	0.2	0.19	0.29	0.07	0.008	0.092	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/25/74-09/10/87	5	0.82	1.102	2.56	0.5	0.69	0.83	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/27/75-07/02/91	5	0.17	0.186	0.31	0.1	0.006	0.08	**	**	**	**

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	11/03/81-07/02/91	4	2525.	3297.5	7070.	1070.	6796091.667	2606.931	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/03/81-07/02/91	2	6.	6.	7.	5.	2.	1.414	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/27/75-07/02/91	5	30.	32.	60.	15.	282.5	16.808	**	**	**	**

** - Less than 9 observations ## - Computed 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: CUVA0054

NPS Station ID: CUVA0054 LAT/LON: 41.116948/ -81.525559 Agency: 112WRD Date Created: 05/29/93
Location: CUYAHOGA R AT CUYAHOGA ST NR AKRON OH FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 410701081313200
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 05040001065800.00 RF3 Mile Point: 1.51 Distance from RF3: 0.22 On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0054

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/91-07/13/92	2	19.1	19.1	23.7	14.5	42.32	6.505	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/06/91-09/03/93	5	215.	410.2	1090.	24.	174507.7	417.741	**	**	**	**
00065	STAGE, STREAM (FEET)	09/03/93-09/03/93	1	213.	213.	213.	213.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/91-07/13/92	2	776.5	776.5	1000.	553.	99904.5	316.077	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/13/92-09/03/93	3	45.	33.667	49.	7.	537.333	23.18	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/13/92-09/03/93	3	83.	80.667	94.	65.	214.333	14.64	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/06/91-09/03/93	5	2300.	303814.	1500000.	670.4	471728539	80. 668709.843	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/06/91-09/03/93	5	3.362	3.966	6.176	2.826	1.749	1.322	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9256.531								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	10/06/91-09/03/93	5	1600.	127440.	620000.	1300.7	584254300	0. 275395.249	**	**	**	**
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	10/06/91-09/03/93	5	3.204	3.868	5.792	3.114	1.335	1.156	**	**	**	**
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			7373.409								

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

EPA Water Quality Criteria Analysis for Station: CUVA0054

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	5	5	1.00	4	4	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: CUVA0055

NPS Station ID: CUVA0055 LAT/LON: 41.119171/ -81.491948 Agency: 21OHIO Date Created: 05/31/86
Location: CUYAHOGA R. AT AKRON- OHIO ED. DAM POOL RM=45.1 FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S74
RMI-Indexes: 0603002 Within Park Boundary: No
RMI-Miles: 0045.10
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002004 RF1 Mile Point: 2.710 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002000137.26 RF3 Mile Point: 37.59 Distance from RF3: 0.04 On/Off RF3:
Description:
PURPOSE - FOLLOW UP SAMPLING TO THE 1984 CUYAHOGA RIVER SURVEY. THIS SITE CONTAINS SEDIMENT DATA.
LOCATION - SUMMIT CO.; LOCATED THE OHIO EDISON DAM POOL AREA, UPSTREAM FROM ST. RT. 5 IN AKRON.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	08/13/85-08/13/85	1	12700.	12700.	12700.	12700.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/13/85-08/13/85	1	3990.	3990.	3990.	3990.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	08/13/85-08/13/85	1	399.	399.	399.	399.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	08/13/85-08/13/85	1	1740.	1740.	1740.	1740.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/13/85-08/13/85	1	17.2	17.2	17.2	17.2	0.	0.	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	08/13/85-08/13/85	1	281.	281.	281.	281.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	1	16.1	16.1	16.1	16.1	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	1	48.	48.	48.	48.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/13/85-08/13/85	1	127.	127.	127.	127.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/13/85-08/13/85	1	196.	196.	196.	196.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/13/85-08/13/85	1	512.	512.	512.	512.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	1	42.	42.	42.	42.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/13/85-08/13/85	1	68.	68.	68.	68.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/13/85-08/13/85	1	303.	303.	303.	303.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/13/85-08/13/85	1	11700.	11700.	11700.	11700.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/13/85-08/13/85	1	0.61	0.61	0.61	0.61	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/13/85-08/13/85	1	56900.	56900.	56900.	56900.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: CUVA0056

NPS Station ID: CUVA0056
LAT/LON: 41.119171/ -81.528892
Agency: 21OHIO
Date Created: 05/31/86
Location: LITTLE CUYAHOGA R. AT AKRON - AT MOUTH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): F01S78
RMI-Indexes: 0603002 000940
Within Park Boundary: No
RMI-Miles: 0042.27 0000.01
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 38.790
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 04110002000406.11
RF3 Mile Point: 7.32
Distance from RF3: 0.06
On/Off RF3:
Description:
PURPOSE - FOLLOW UP SAMPLING TO THE 1984 CUYAHOGA RIVER SURVEY. THIS SITE CONTAINS SEDIMENT DATA.
LOCATION - CUYAHOGA CO.; LOCATED JUST UPSTREAM FROM THE CONFLUENCE WITH THE CUYAHOGA RIVER, IN AKRON.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0056

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	08/13/85-08/13/85	1	20200.	20200.	20200.	20200.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/13/85-08/13/85	1	530.	530.	530.	530.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	08/13/85-08/13/85	1	212.	212.	212.	212.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	08/13/85-08/13/85	1	1040.	1040.	1040.	1040.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/13/85-08/13/85	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	08/13/85-08/13/85	1	59.	59.	59.	59.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	1	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/13/85-08/13/85	1	27.	27.	27.	27.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/13/85-08/13/85	1	31.4	31.4	31.4	31.4	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/13/85-08/13/85	1	309.	309.	309.	309.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/13/85-08/13/85	1	52.	52.	52.	52.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/13/85-08/13/85	1	106.	106.	106.	106.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/13/85-08/13/85	1	6310.	6310.	6310.	6310.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/13/85-08/13/85	1	14000.	14000.	14000.	14000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: CUVA0057

NPS Station ID: CUVA0057 LAT/LON: 41.123337/ -81.510837 Agency: 21OHIO Date Created: 02/01/92
Location: CUYAHOGA R. AT AKRON - DST GORGE DAM FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM/BIO STORET Station ID(s): F01A60
RMI-Indexes: 0603002 Within Park Boundary: No
RMI-Miles: 0043.80
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.90 On/Off RF1:
RF3 Index: 04110002000124.60 RF3 Mile Point: 24.59 Distance from RF3: 0.01 On/Off RF3:
Description:
PURPOSE - INTENSIVE SURVEY OF THE LOWER CUYAHOGA RIVER. LOCATION - SUMMIT CO.; LOCATED DOWNSTREAM FROM THE GORGE DAM, DOWNSTREAM FROM MAIN ST. COLLECTED BY THE OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST DISTRICT OFFICE, (216) 425-9171.

Parameter Inventory for Station: CUVA0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/11/91-09/24/91	6	23.9	24.1	29.5	17.8	15.984	3.998	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/11/91-09/24/91	6	710.	742.5	930.	675.	8797.5	93.795	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/11/91-09/24/91	6	7.9	7.983	8.8	7.5	0.254	0.504	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/11/91-09/24/91	6	14.	13.333	24.	5.	55.467	7.448	**	**	**	**
00400	PH (STANDARD UNITS)	07/11/91-09/24/91	6	8.3	8.233	8.4	7.9	0.034	0.183	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/11/91-09/24/91	6	8.3	8.197	8.4	7.9	0.035	0.188	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/11/91-09/24/91	6	0.005	0.006	0.013	0.004	0.	0.003	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/11/91-09/24/91	6 ##	4.25	4.75	8.	2.5	6.475	2.545	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/91-09/24/91	6	0.075	0.097	0.27	0.025	0.009	0.092	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/91-09/24/91	6	0.05	0.057	0.1	0.04	0.001	0.023	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/11/91-09/24/91	6	0.65	0.567	0.8	0.1	0.075	0.273	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/11/91-09/24/91	6	2.395	2.488	3.45	1.97	0.297	0.545	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/91-09/24/91	6	0.08	0.086	0.17	0.025	0.002	0.049	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/11/91-09/24/91	6 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/91-09/24/91	6	253.5	247.833	275.	207.	676.967	26.019	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/11/91-09/24/91	6	73.5	72.333	82.	60.	62.667	7.916	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/11/91-09/24/91	6	16.5	16.333	18.	14.	2.667	1.633	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/91-09/24/91	6	152.5	141.167	164.	93.	793.367	28.167	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/11/91-09/24/91	6 ##	1.	1.5	3.	1.	0.7	0.837	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/91-09/24/91	6 ##	0.1	0.133	0.3	0.1	0.007	0.082	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/91-09/24/91	6 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/11/91-09/24/91	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/11/91-07/11/91	1	320.	320.	320.	320.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/11/91-09/24/91	6 ##	1.	1.167	2.	1.	0.167	0.408	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/11/91-09/24/91	6 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/11/91-09/24/91	6 ##	7.5	35.833	100.	5.	2114.167	45.98	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/11/91-09/24/91	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/11/91-09/24/91	6	550.	537.	628.	394.	5927.6	76.991	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/11/91-09/24/91	6 ##	0.5	0.75	1.5	0.5	0.175	0.418	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0057

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	6	0	0.00	6	0	0.00									
00400	PH	Other-Hi Lim.	9.	6	0	0.00	6	0	0.00									
		Other-Lo Lim.	6.5	6	0	0.00	6	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00	6	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	6	0	0.00	6	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	6	0	0.00	6	0	0.00									
		Drinking Water	0.2	6	0	0.00	6	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	6	0	0.00	6	0	0.00									
		Drinking Water	250.	6	0	0.00	6	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	6	0	0.00	6	0	0.00									
		Drinking Water	50.	6	0	0.00	6	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	6	0	0.00	6	0	0.00									
		Drinking Water	5.	6	0	0.00	6	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	6	0	0.00	6	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	6	0	0.00	6	0	0.00									
		Drinking Water	1300.	6	0	0.00	6	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	6	0	0.00	6	0	0.00									
		Drinking Water	15.	6	0	0.00	6	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	6	0	0.00	6	0	0.00									
		Drinking Water	100.	6	0	0.00	6	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	6	0	0.00	6	0	0.00									
		Drinking Water	5000.	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

Station Inventory for Station: CUVA0058

NPS Station ID: CUVA0058
LAT/LON: 41.128060/ -81.538060
Agency: 112WRD
Date Created: 05/29/93
Location: CUYAHOGA R AB OLD PORTAGE OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 410741081321700
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/91-07/13/92	2	18.45	18.45	22.9	14.	39.605	6.293	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/06/91-07/13/92	2	497.5	497.5	912.	83.	343620.5	586.192	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/91-07/13/92	2	896.5	896.5	1010.	783.	25764.5	160.513	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/13/92-07/13/92	1	97.	97.	97.	97.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/13/92-07/13/92	1	100.	100.	100.	100.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/06/91-07/13/92	3	13000.	11866.667	18000.	4600.	45853333.333	6771.509	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/06/91-07/13/92	3	4.114	4.011	4.255	3.663	0.096	0.309	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10248.443								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	10/06/91-07/13/92	3	4700.	6033.333	11000.	2400.	19823333.333	4452.34	**	**	**	**
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	10/06/91-07/13/92	3	3.672	3.698	4.041	3.38	0.11	0.331	**	**	**	**
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			4987.703								

** - 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: CUVA0058

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 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									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	3	1.00	2	2	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: CUVA0059

NPS Station ID: CUVA0059 LAT/LON: 41.133337/ -81.546392 Agency: 21OHIO Date Created: 05/31/86
Location: CUYAHOGA R. UPST OLD PORTAGE TRAIL (RM 40.4) FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S73
RMI-Indexes: 0603002 Within Park Boundary: No
RMI-Miles: 0040.40
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 37.280 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 05040001009304.31 RF3 Mile Point: 4.76 Distance from RF3: 0.34 On/Off RF3:
Description:
PURPOSE - FOLLOW UP SAMPLING TO THE 1984 CUYAHOGA RIVER SURVEY. THIS SITE CONTAINS SEDIMENT DATA.
LOCATION - SUMMIT CO.; LOCATED UPSTREAM FROM THE U.S.G.S. GAGE AT OLD PORTAGE TRAIL; WEST OF CUYAHOGA FALLS.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0059

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	08/13/85-08/13/85	1	5830.	5830.	5830.	5830.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/13/85-08/13/85	1	2010.	2010.	2010.	2010.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	08/13/85-08/13/85	1 ##	83.5	83.5	83.5	83.5	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	08/13/85-08/13/85	1	380.	380.	380.	380.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/13/85-08/13/85	1	4.92	4.92	4.92	4.92	0.	0.	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	08/13/85-08/13/85	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	1	1.47	1.47	1.47	1.47	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/13/85-08/13/85	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/13/85-08/13/85	1	35.6	35.6	35.6	35.6	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/13/85-08/13/85	1	263.	263.	263.	263.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/13/85-08/13/85	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/13/85-08/13/85	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/13/85-08/13/85	1	112.	112.	112.	112.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/13/85-08/13/85	1	2530.	2530.	2530.	2530.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/13/85-08/13/85	1 ##	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/13/85-08/13/85	1	13000.	13000.	13000.	13000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: CUVA0060

NPS Station ID: CUVA0060 | LAT/LON: 41.133615/ -81.481948 | Agency: 12OHDO | Date Created: / /
Location: CUYAHOGA RIVER AT BROAD BLVD. | FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 390142
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 04110002 | Depth of Water: 999 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER,NEAR CUYAHOGA FALLS | ECO Region:
RF1 Index: 04110002004 | RF1 Mile Point: 3.990 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 04110002000134.04 | RF3 Mile Point: 34.44 | Distance from RF3: 0.01 | On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/07/72-11/07/72	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/07/72-11/07/72	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	11/07/72-11/07/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/72-11/07/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	11/07/72-11/07/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/07/72-11/07/72	1	700.	700.	700.	700.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	11/07/72-11/07/72	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	11/07/72-11/07/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	11/07/72-11/07/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/07/72-11/07/72	1	3.	3.	3.	3.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/07/72-11/07/72	1	245.	245.	245.	245.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0060

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00				1	0	0.00						
		Drinking Water	0.2	1	0	0.00				1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	1	1.00				1	1	1.00						
		Drinking Water	5.	1	1	1.00				1	1	1.00						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
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.	0 &	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						
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						

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

Station Inventory for Station: CUVA0061

NPS Station ID: CUVA0061 LAT/LON: 41.133615/ -81.482504 Agency: 21OHIO Date Created: 10/13/84
Location: CUYAHOGA R AT CUYAHOGA FALLS- BROAD BLVD RM=46.2 FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S16
RMI-Indexes: 0603002 Within Park Boundary: No
RMI-Miles: 0046.25
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002004 RF1 Mile Point: 3.990 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002000133.95 RF3 Mile Point: 34.47 Distance from RF3: 0.00 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER
LOCATION - SUMMIT CO.; LOCATED AT THE BROAD BLVD. BRIDGE IN CUYAHOGA FALLS.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0061

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/84-09/24/84	5	21.	20.4	24.	16.	10.175	3.19	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/84-09/24/84	5	675.	661.	820.	565.	10792.5	103.887	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/84-09/24/84	5	653.	695.8	902.	607.	14105.7	118.767	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/84-09/24/84	5	8.5	8.4	8.8	7.8	0.195	0.442	**	**	**	**
00400	PH (STANDARD UNITS)	07/30/84-09/24/84	5	8.	8.06	8.3	7.8	0.038	0.195	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/30/84-09/24/84	5	8.	8.025	8.3	7.8	0.04	0.199	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/84-09/24/84	5	0.01	0.009	0.016	0.005	0.	0.004	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/30/84-09/24/84	5	0.05	0.182	0.75	0.025	0.101	0.318	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/30/84-09/24/84	5	0.04	0.062	0.17	0.02	0.004	0.063	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/84-09/24/84	5	0.9	0.9	1.3	0.6	0.065	0.255	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/30/84-09/24/84	5	1.2	1.328	1.86	0.95	0.124	0.353	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/84-09/24/84	5	0.16	0.336	0.96	0.13	0.125	0.354	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/84-09/24/84	5	231.	239.8	298.	212.	1189.7	34.492	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/84-09/24/84	5	66.	68.66	86.5	60.9	109.223	10.451	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/30/84-09/24/84	5	16.1	16.64	20.	14.6	4.293	2.072	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/30/84-09/24/84	5	0.2	0.22	0.3	0.1	0.007	0.084	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/30/84-09/24/84	5	10.	8.	10.	5.	7.5	2.739	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/14/84-08/14/84	1	640.	640.	640.	640.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/30/84-09/24/84	5	2.	2.2	3.	2.	0.2	0.447	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/30/84-09/24/84	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/30/84-09/24/84	5	10.	9.	15.	5.	17.5	4.183	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/20/84-09/24/84	3	390.	320.	410.	160.	19300.	138.924	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/20/84-09/24/84	3	2.591	2.469	2.613	2.204	0.053	0.23	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			294.661								

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

EPA Water Quality Criteria Analysis for Station: CUVA0061

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	5	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	0	0.00	5	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	5	0	0.00	5	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	2	0.67	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: CUVA0062

NPS Station ID: CUVA0062 | LAT/LON: 41.135281/ -81.547503 | Agency: 21OHIO | Date Created: / /
Location: CUYAHOGA R. UPST AKRON WWTP - OLD PORTAGE TRAIL | FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 502160
RMI-Indexes: 0603002 | Within Park Boundary: No
RMI-Miles: 0040.15
HUC: 04110002 | Depth of Water: 0 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER | ECO Region:
RF1 Index: 04110002001 | RF1 Mile Point: 32.460 | Distance from RF1: 0.00 | On/Off RF1: ON
RF3 Index: 04110002000400.00 | RF3 Mile Point: 0.30 | Distance from RF3: 0.03 | On/Off RF3:
Description:
PURPOSE - MEASURES WATER QUALITY ABOVE AKRON S.T.P. BUT BELOW LITTLE CUYAHOGA CONFLUENCE.
LOCATION - SUMMIT CO.; SOUTH OF INTERSECTION OF AKRON-PENINSULA RD. AND PORTAGE TRAIL AT THE SITE OF THE OLD PORTAGE TRAIL.
COLLECTION - GRAB SAMPLES BY AKRON WATER POLLUTION CONTROL LAB.

Parameter Inventory for Station: CUVA0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/31/73-09/10/87	72	15.75	13.769	27.5	1.	77.737	8.817	2.	4.	22.	24.85
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/31/73-09/18/86	60	437.	624.75	2300.	74.	292871.377	541.176	140.2	220.5	917.	1448.8
00065	STAGE, STREAM (FEET)	11/29/73-09/24/84	45	2.8	7.227	49.99	1.84	171.398	13.092	1.986	2.235	4.62	23.51
00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/10/73-01/28/75	50	2.	1.942	4.	0.	1.029	1.015	1.	1.	2.	3.9
00080	COLOR (PLATINUM-COBALT UNITS)	12/10/73-01/28/75	50	2.	2.94	66.	0.	83.976	9.164	0.	1.	2.	3.9
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	12/10/73-01/28/75	49	1.	1.186	3.	0.	0.94	0.97	0.	0.05	2.	3.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/84-09/10/87	11	670.	653.182	860.	436.	16701.564	129.235	455.6	545.	775.	847.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/31/73-09/10/87	18	602.	573.722	917.	220.	57658.683	240.122	222.7	354.5	786.75	898.1
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/31/73-09/10/87	73	8.9	9.656	14.4	5.	7.273	2.697	6.74	7.35	12.55	13.5
00310	BOD, 5 DAY, 20 DEG C MG/L	12/10/73-09/10/87	61	2.4	2.907	15.2	0.5	4.597	2.144	1.52	1.85	3.1	4.08
00335	COD, .025N K2CR2O7 MG/L	10/31/73-09/10/87	67	19.	21.866	75.	4.	151.694	12.316	10.	15.	25.	35.8
00400	PH (STANDARD UNITS)	10/31/73-09/10/87	67	7.7	7.631	8.2	5.9	0.125	0.353	7.3	7.6	7.8	7.9
00400	CONVERTED PH (STANDARD UNITS)	10/31/73-09/10/87	67	7.7	7.322	8.2	5.9	0.222	0.471	7.3	7.6	7.8	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/31/73-09/10/87	67	0.02	0.048	1.259	0.006	0.024	0.154	0.013	0.016	0.025	0.05
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/02/74-05/02/74	1	95.	95.	95.	95.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/31/73-06/05/75	7	292.	293.429	357.	240.	1415.286	37.62	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/31/73-06/05/75	5	266.	269.6	320.	214.	1518.8	38.972	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/10/73-08/14/89	69	12.	27.754	561.	1.	4787.446	69.191	5.	8.	21.	49.
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	05/02/74-04/10/75	4	0.3	0.35	0.7	0.1	0.09	0.3	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/31/73-09/10/87	41	0.18	0.208	0.92	0.	0.025	0.158	0.046	0.105	0.27	0.402
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/10/87	34	0.05	0.086	0.76	0.02	0.018	0.133	0.02	0.03	0.09	0.115
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/27/75-09/10/87	15	0.8	0.8	1.2	0.3	0.051	0.227	0.36	0.8	0.9	1.14
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/31/73-09/10/87	41	0.78	0.808	1.91	0.22	0.082	0.286	0.476	0.68	0.9	1.166
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/10/73-07/25/74	23	1.08	1.294	4.68	0.27	0.915	0.957	0.328	0.73	1.53	2.49
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/10/75-04/10/75	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/31/73-09/10/87	20	0.1	0.171	1.4	0.	0.089	0.298	0.003	0.073	0.145	0.292
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/31/73-03/27/75	5	6.	6.9	13.	1.5	18.8	4.336	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	12/26/74-09/24/84	5 ##	0.003	0.003	0.008	0.	0.	0.003	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/26/74-10/24/89	24	224.	212.833	275.	120.	2512.667	50.127	125.	172.5	259.75	270.
00916	CALCIUM, TOTAL (MG/L AS CA)	05/02/74-10/24/89	19	66.	65.979	80.4	49.8	100.04	10.002	50.	54.9	77.	79.5
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/02/74-10/24/89	19	15.5	15.263	19.2	10.	7.43	2.726	11.	14.	17.7	18.3

** - 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

Parameter Inventory for Station: CUVA0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00929	SODIUM, TOTAL (MG/L AS NA)	05/02/74-05/02/74	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	05/02/74-05/02/74	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/31/73-09/18/86	5	51.	62.4	130.	36.	1496.3	38.682	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/31/73-01/09/75	4	49.5	55.5	75.	48.	169.667	13.026	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/31/73-05/02/74	2	0.185	0.185	0.2	0.17	0.	0.021	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/30/84-09/10/87	12	3.	3.167	5.	2.	0.697	0.835	2.	3.	3.75	4.7
01007	BARIUM, TOTAL (UG/L AS BA)	05/02/74-01/09/75	2	100.	100.	100.	100.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/02/74-10/24/89	21	0.2	1.119	10.	0.	5.649	2.377	0.1	0.1	0.6	4.6
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	05/02/74-01/09/75	3	6.	7.	15.	0.	57.	7.55	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	12/26/74-09/10/87	14 ##	15.	15.	30.	0.	34.615	5.883	7.5	15.	15.	22.5
01042	COPPER, TOTAL (UG/L AS CU)	05/02/74-10/24/89	25 ##	5.	9.32	30.	0.	97.393	9.869	1.8	5.	7.5	30.
01045	IRON, TOTAL (UG/L AS FE)	05/02/74-10/24/89	22	650.	1097.727	4760.	240.	1307399.351	1143.416	356.	440.	1177.5	3185.
01051	LEAD, TOTAL (UG/L AS PB)	12/26/74-09/10/87	18	7.5	11.167	50.	0.	153.088	12.373	1.8	2.75	14.5	32.
01055	MANGANESE, TOTAL (UG/L AS MN)	05/02/74-09/10/87	3	150.	146.667	180.	110.	1233.333	35.119	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/28/78-09/10/87	13 ##	20.	26.154	100.	20.	492.308	22.188	20.	20.	20.	68.
01092	ZINC, TOTAL (UG/L AS ZN)	05/02/74-10/24/89	25	15.	35.	310.	0.	3760.417	61.322	5.	7.5	32.5	76.
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/02/74-09/10/87	5	600.	702.	1700.	280.	337820.	581.223	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	05/02/74-05/02/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	12/12/73-06/05/74	5	27000.	70200.	180000.	4000.	6688700000.	81784.473	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	12/12/73-06/05/74	5	4.431	4.424	5.255	3.602	0.598	0.773	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			26521.617								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/12/73-09/24/84	13	700.	2752.308	16000.	270.	20883035.897	4569.796	282.	490.	2650.	13040.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/12/73-09/24/84	13	2.845	3.059	4.204	2.431	0.304	0.551	2.45	2.69	3.423	4.096
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1145.612								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	12/26/74-06/05/75	4	515.	1962.5	6600.	220.	9582558.333	3095.571	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	12/26/74-06/05/75	4	2.706	2.893	3.82	2.342	0.414	0.643	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			782.342								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	12/26/74-09/10/87	10 ##	5.	5.4	10.	0.	9.6	3.098	0.2	4.25	7.75	10.
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	01/23/74-06/05/75	5	0.11	0.272	0.57	0.09	0.056	0.237	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/30/84-09/10/87	12	429.	464.167	612.	346.	9072.333	95.249	346.6	398.	570.5	607.8
71900	MERCURY, TOTAL (UG/L AS HG)	04/10/75-09/17/84	6 ##	0.1	0.317	1.	0.1	0.138	0.371	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0062

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	50	0	0.00	14	0	0.00	23	0	0.00	13	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	73	0	0.00	28	0	0.00	25	0	0.00	20	0	0.00			
00400	PH	Other-Hi Lim.	9.	67	0	0.00	28	0	0.00	22	0	0.00	17	0	0.00			
		Other-Lo Lim.	6.5	67	1	0.01	28	0	0.00	22	1	0.05	17	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	34	0	0.00	21	0	0.00	10	0	0.00	3	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	41	0	0.00	22	0	0.00	12	0	0.00	7	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	5	0	0.00	4	0	0.00	1	0	0.00						
		Drinking Water	0.2	5	0	0.00	4	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	250.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	1	0	0.00				1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	12	0	0.00	11	0	0.00				1	0	0.00			
		Drinking Water	50.	12	0	0.00	11	0	0.00				1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	2	0	0.00				1	0	0.00	1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	21	2	0.10	18	1	0.06				3	1	0.33			
		Drinking Water	5.	21	2	0.10	18	1	0.06				3	1	0.33			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	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			
01034	CHROMIUM, TOTAL	Drinking Water	100.	14	0	0.00	12	0	0.00	1	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	25	5	0.20	18	1	0.06	2	1	0.50	5	3	0.60			
		Drinking Water	1300.	25	0	0.00	18	0	0.00	2	0	0.00	5	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: CUVA0062

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01051	LEAD, TOTAL	Fresh Acute	82.	18	0	0.00	12	0	0.00	2	0	0.00	4	0	0.00			
		Drinking Water	15.	18	4	0.22	12	2	0.17	2	1	0.50	4	1	0.25			
01067	NICKEL, TOTAL	Fresh Acute	1400.	13	0	0.00	12	0	0.00				1	0	0.00			
		Drinking Water	100.	13	1	0.08	12	1	0.08				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	25	1	0.04	18	1	0.06	2	0	0.00	5	0	0.00			
		Drinking Water	5000.	25	0	0.00	18	0	0.00	2	0	0.00	5	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			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	5	5	1.00				3	3	1.00	2	2	1.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	13	13	1.00	4	4	1.00	4	4	1.00	5	5	1.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	6	0	0.00	5	0	0.00				1	0	0.00			
		Drinking Water	2.	6	0	0.00	5	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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/31/73-09/10/87	28	22.75	21.232	27.5	13.5	17.157	4.142	14.95	17.75	24.875	26.1
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/31/73-09/18/86	22	214.	229.364	616.	74.	15327.195	123.803	92.	141.5	272.	411.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/31/73-09/10/87	12	715.5	700.25	917.	385.	27462.386	165.718	415.3	588.25	846.	910.7
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/31/73-09/10/87	28	7.4	7.371	9.7	5.	0.981	0.99	5.99	6.8	8.075	8.82
00310	BOD, 5 DAY, 20 DEG C MG/L	12/10/73-09/10/87	21	2.3	2.295	3.7	1.4	0.359	0.6	1.6	1.85	2.5	3.52
00335	COD, .025N K2CR2O7 MG/L	10/31/73-09/10/87	26	19.5	19.308	49.	4.	88.062	9.384	10.	12.	22.25	31.2
00400	PH (STANDARD UNITS)	10/31/73-09/10/87	28	7.75	7.671	8.2	6.7	0.135	0.367	7.25	7.375	7.9	8.1
00400	CONVERTED PH (STANDARD UNITS)	10/31/73-09/10/87	28	7.747	7.479	8.2	6.7	0.173	0.416	7.25	7.375	7.9	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/31/73-09/10/87	28	0.018	0.033	0.2	0.006	0.002	0.044	0.008	0.013	0.044	0.061
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/10/73-08/14/89	28	10.	13.857	82.	2.5	235.442	15.344	3.85	6.25	13.	24.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/31/73-09/10/87	22	0.15	0.191	0.92	0.	0.037	0.193	0.025	0.07	0.265	0.355
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/10/87	21	0.06	0.098	0.76	0.03	0.024	0.154	0.032	0.04	0.095	0.118
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/27/75-09/10/87	12	0.8	0.875	1.2	0.7	0.022	0.148	0.73	0.8	0.975	1.17
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/31/73-09/10/87	22	0.86	0.909	1.91	0.47	0.087	0.294	0.658	0.745	0.985	1.291
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/31/73-09/10/87	13	0.09	0.097	0.22	0.	0.004	0.064	0.01	0.048	0.125	0.212
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/26/74-10/24/89	18	237.	235.444	275.	170.	1027.673	32.057	179.	214.25	266.5	271.4
00916	CALCIUM, TOTAL (MG/L AS CA)	05/02/74-10/24/89	17	67.1	67.576	80.4	49.8	86.064	9.277	53.16	62.5	77.25	79.68
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/02/74-10/24/89	17	16.3	15.765	19.2	11.	5.695	2.386	11.16	14.	17.8	18.48
01027	CADMIUM, TOTAL (UG/L AS CD)	05/02/74-10/24/89	18 ##	0.15	0.728	5.	0.1	1.74	1.319	0.1	0.1	0.55	3.2
01034	CHROMIUM, TOTAL (UG/L AS CR)	12/26/74-09/10/87	12 ##	15.	16.25	30.	15.	18.75	4.33	15.	15.	15.	25.5
01042	COPPER, TOTAL (UG/L AS CU)	05/02/74-10/24/89	18 ##	5.	6.556	30.	3.	35.908	5.992	4.8	5.	5.	12.
01045	IRON, TOTAL (UG/L AS FE)	05/02/74-10/24/89	18	570.	950.556	4760.	240.	1237793.791	1112.562	339.	402.5	727.5	2618.
01051	LEAD, TOTAL (UG/L AS PB)	12/26/74-09/10/87	12	5.5	7.833	22.	2.	41.97	6.478	2.	2.25	13.	20.2
01067	NICKEL, TOTAL (UG/L AS NI)	08/28/78-09/10/87	12 ##	20.	26.667	100.	20.	533.333	23.094	20.	20.	20.	76.
01092	ZINC, TOTAL (UG/L AS ZN)	05/02/74-10/24/89	18	15.	34.444	310.	5.	4946.732	70.333	5.	5.	31.25	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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/31/73-09/10/87	24	2.75	4.146	16.	1.	15.228	3.902	1.	2.	4.	12.25
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/31/73-09/18/86	22	706.	868.545	2105.	255.	263085.974	512.919	324.5	474.5	1053.	1896.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/31/73-09/10/87	2	231.5	231.5	240.	223.	144.5	12.021	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/31/73-09/10/87	25	13.	12.504	14.4	8.5	2.473	1.573	9.58	11.85	13.55	14.08
00310	BOD, 5 DAY, 20 DEG C MG/L	12/10/73-09/10/87	23	2.3	2.77	9.9	0.5	4.267	2.066	1.16	1.6	3.2	6.16
00335	COD, .025N K2CR2O7 MG/L	10/31/73-09/10/87	24	16.	20.583	55.	4.	138.862	11.784	10.	15.25	22.75	42.
00400	PH (STANDARD UNITS)	10/31/73-09/10/87	22	7.7	7.65	7.9	5.9	0.168	0.41	7.5	7.6	7.825	7.9
00400	CONVERTED PH (STANDARD UNITS)	10/31/73-09/10/87	22	7.7	7.121	7.9	5.9	0.461	0.679	7.5	7.6	7.825	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/31/73-09/10/87	22	0.02	0.076	1.259	0.013	0.07	0.264	0.013	0.015	0.025	0.032
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/10/73-08/14/89	23	12.	22.609	123.	3.	676.067	26.001	5.6	8.	32.	48.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/31/73-09/10/87	12	0.17	0.184	0.33	0.04	0.005	0.074	0.067	0.143	0.228	0.312
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/10/87	10	0.025	0.033	0.08	0.02	0.	0.019	0.02	0.02	0.043	0.077
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/31/73-09/10/87	12	0.76	0.772	0.95	0.58	0.013	0.114	0.604	0.67	0.888	0.935
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/31/73-09/10/87	2	0.2	0.2	0.3	0.1	0.02	0.141	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/26/74-10/24/89	2	124.	124.	128.	120.	32.	5.657	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	12/26/74-09/10/87	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/02/74-10/24/89	2	10.	10.	20.	0.	200.	14.142	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/02/74-10/24/89	2	2265.	2265.	3530.	1000.	3200450.	1788.98	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	12/26/74-09/10/87	2	25.	25.	50.	0.	1250.	35.355	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/02/74-10/24/89	2	75.	75.	100.	50.	1250.	35.355	**	**	**	**

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/31/73-09/10/87	20	17.	14.87	23.	4.	47.344	6.881	4.1	7.75	20.925	22.45
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/31/73-09/18/86	16	700.	833.188	2300.	137.	399382.029	631.967	176.9	349.25	938.	2135.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/31/73-09/10/87	4	328.	365.25	585.	220.	25926.917	161.018	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/31/73-09/10/87	20	8.95	9.295	13.2	6.4	4.543	2.131	7.11	7.425	10.75	12.68
00310	BOD, 5 DAY, 20 DEG C MG/L	12/10/73-09/10/87	17	3.	3.847	15.2	1.7	9.464	3.076	2.18	2.5	3.75	7.84
00335	COD, .025N K2CR2O7 MG/L	10/31/73-09/10/87	17	24.	27.588	75.	4.	240.632	15.512	13.6	19.	29.	51.
00400	PH (STANDARD UNITS)	10/31/73-09/10/87	17	7.6	7.541	7.8	6.8	0.055	0.235	7.12	7.5	7.7	7.72
00400	CONVERTED PH (STANDARD UNITS)	10/31/73-09/10/87	17	7.6	7.455	7.8	6.8	0.063	0.251	7.12	7.5	7.7	7.72
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/31/73-09/10/87	17	0.025	0.035	0.158	0.016	0.001	0.034	0.019	0.02	0.032	0.082
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/10/73-08/14/89	18	14.5	55.944	561.	1.	16705.585	129.25	4.6	8.75	44.75	146.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/31/73-09/10/87	7	0.27	0.303	0.43	0.17	0.013	0.115	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/10/87	3	0.1	0.18	0.35	0.09	0.022	0.147	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/27/75-09/10/87	3	0.4	0.5	0.8	0.3	0.07	0.265	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/31/73-09/10/87	7	0.5	0.551	1.17	0.22	0.101	0.317	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/31/73-09/10/87	5	0.1	0.35	1.4	0.	0.347	0.589	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/26/74-10/24/89	4	157.	155.5	186.	122.	718.333	26.802	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/02/74-10/24/89	2	52.4	52.4	54.8	50.	11.52	3.394	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/02/74-10/24/89	2	11.	11.	12.	10.	2.	1.414	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/02/74-10/24/89	3	0.4	3.467	10.	0.	32.053	5.662	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	12/26/74-09/10/87	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/02/74-10/24/89	5	30.	19.	30.	0.	230.	15.166	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/02/74-10/24/89	2	1255.	1255.	1410.	1100.	48050.	219.203	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	12/26/74-09/10/87	4	10.	14.25	30.	7.	112.25	10.595	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/28/78-09/10/87	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/02/74-10/24/89	5	30.	21.	30.	0.	180.	13.416	**	**	**	**

** - 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

Station Inventory for Station: CUVA0063

NPS Station ID: CUVA0063
LAT/LON: 41.135559/ -81.547226
Agency: 112WRD
Date Created: / /
Location: CUYAHOGA R AT OLD PORTAGE OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 04206000
RMI-Indexes: 0603002
Within Park Boundary: No
RMI-Miles: 0042.10
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 32.460
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 04110002042400.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/65-09/02/93	129	16.7	15.537	32.	1.	77.911	8.827	4.	6.75	23.	26.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/10/74-06/29/77	7	20.5	14.857	28.	-0.5	139.31	11.803	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	10/06/65-09/29/71	33	299.	448.939	2090.	49.	219991.809	469.033	63.6	144.	599.	1104.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/71-09/03/93	117	672.	833.991	5900.	19.	648748.94	805.45	125.8	260.	1070.	1760.
00065	STAGE, STREAM (FEET)	09/04/91-09/03/93	18	4.06	3.935	5.11	2.63	0.48	0.693	2.999	3.22	4.295	5.065
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-09/02/93	115	566.	600.365	1260.	285.	46036.181	214.56	343.2	428.	719.	891.2
00300	OXYGEN, DISSOLVED MG/L	09/21/64-06/29/77	9	7.5	7.822	12.4	3.3	9.399	3.066	3.3	5.35	10.9	12.4
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/21/64-06/29/77	9	82.	76.111	94.	39.	360.611	18.99	39.	60.	91.	94.
00310	BOD, 5 DAY, 20 DEG C MG/L	07/28/75-06/29/77	5	3.5	3.96	6.7	1.6	4.303	2.074	**	**	**	**
00400	PH (STANDARD UNITS)	09/21/64-06/29/77	29	7.7	7.672	8.5	6.9	0.184	0.429	7.2	7.3	8.	8.2
00400	CONVERTED PH (STANDARD UNITS)	09/21/64-06/29/77	29	7.7	7.483	8.5	6.9	0.221	0.47	7.2	7.3	8.	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-06/29/77	29	0.02	0.033	0.126	0.003	0.001	0.031	0.006	0.01	0.05	0.063
00405	CARBON DIOXIDE (MG/L AS CO2)	10/03/73-06/29/77	25	3.	5.54	16.	0.8	23.201	4.817	1.1	1.85	9.8	13.8
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/24/69-06/29/77	99	100.	104.03	197.	51.	903.785	30.063	64.	79.	128.	144.
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-06/29/77	102	125.5	128.255	240.	62.	1380.113	37.15	78.	97.5	157.	177.7
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-06/29/77	102	0.	0.402	8.	0.	2.124	1.457	0.	0.	0.	0.
00500	RESIDUE, TOTAL (MG/L)	08/02/73-06/30/74	22	391.	459.909	1040.	264.	32622.944	180.618	285.8	348.	585.	688.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/04/91-09/03/93	16	123.5	163.938	584.	40.	21607.263	146.994	47.	66.	227.75	434.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/10/74-06/29/77	7	0.33	0.41	1.1	0.2	0.098	0.313	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/02/73-06/29/77	28 ##	0.005	0.023	0.17	0.005	0.002	0.04	0.005	0.005	0.018	0.101
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/01/71-07/19/73	44	1.55	1.589	3.1	0.5	0.267	0.516	1.	1.2	1.975	2.25
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/02/73-06/29/77	28	1.05	1.249	3.8	0.22	0.528	0.726	0.59	0.712	1.7	2.1
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/02/73-06/29/77	28	1.1	1.268	3.8	0.22	0.51	0.714	0.617	0.76	1.7	2.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/10/74-06/29/77	7	0.12	0.126	0.17	0.09	0.001	0.032	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/15/70-06/29/77	11	7.4	9.027	21.	3.3	26.224	5.121	3.64	5.2	11.	19.8
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	06/08/73-06/08/73	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-06/29/77	92	190.	194.62	326.	98.	3396.15	58.276	120.	150.	240.	290.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-06/29/77	92	86.5	90.598	160.	40.	902.023	30.034	54.3	66.	110.	140.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/16/74-06/29/77	19	48.	48.737	74.	32.	168.538	12.982	35.	36.	58.	72.
00916	CALCIUM, TOTAL (MG/L AS CA)	08/02/73-09/02/73	3	66.	61.333	73.	45.	212.333	14.572	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/16/74-06/29/77	19	11.	11.789	27.	6.8	23.932	4.892	7.	8.	15.	17.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/02/73-09/02/73	3	18.	16.	18.	12.	12.	3.464	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/10/74-06/29/77	7	40.	53.286	150.	26.	1865.905	43.196	**	**	**	**
00931	SODIUM ADSORPTION RATIO	09/10/74-06/29/77	7	1.3	1.657	4.2	1.	1.273	1.128	**	**	**	**
00932	SODIUM, PERCENT	09/10/74-06/29/77	7	31.	35.714	57.	28.	99.238	9.962	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/10/74-06/29/77	7	3.6	3.586	4.6	2.4	0.738	0.859	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-09/03/93	125	68.	79.04	270.	25.	2087.555	45.69	32.	46.5	105.	138.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-06/29/77	101	69.	70.911	123.	35.	376.322	19.399	47.2	57.	82.5	100.

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Parameter Inventory for Station: CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-06/29/77	94	0.2	0.251	0.9	0.1	0.017	0.131	0.1	0.2	0.3	0.4
00951	FLUORIDE, TOTAL (MG/L AS F)	08/02/73-09/20/73	4	0.35	0.4	0.7	0.2	0.047	0.216	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/10/74-06/29/77	7	6.4	6.043	7.8	3.8	2.363	1.537	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/28/75-06/29/77	5	5.	4.8	7.	2.	3.7	1.924	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/28/75-06/29/77	5 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/28/75-06/29/77	5	18.	16.4	30.	0.	138.8	11.781	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/10/74-06/29/77	7	80.	131.429	330.	20.	13514.286	116.251	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/28/75-06/29/77	5	7.	8.2	16.	4.	22.7	4.764	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/21/64-10/06/65	2	360.	360.	560.	160.	80000.	282.843	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/10/74-06/29/77	7	90.	87.143	120.	60.	390.476	19.76	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/28/75-06/29/77	5	20.	30.	50.	20.	200.	14.142	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/91-09/03/93	16	18900.	132487.5	1000000.	11000.6	8678815833.333	262066.434	11000.	13500.	106750.	650000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/91-09/03/93	16	4.271	4.613	6.	4.041	0.385	0.621	4.041	4.129	5.028	5.789
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			41041.83								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/13/92-07/13/92	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	07/13/92-07/13/92	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			1.								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	09/04/91-09/03/93	16	21500.	122043.75	620000.	7700.4	5479163958.333	213258.444	9310.	12000.	85250.	606000.
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	09/04/91-09/03/93	16	4.323	4.549	5.792	3.886	0.425	0.652	3.966	4.079	4.903	5.782
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			35413.39								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-07/19/73	73	352.	365.027	728.	164.	18328.555	135.383	202.8	245.	442.	557.2
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/10/74-06/29/77	7	331.	343.	668.	209.	24738.667	157.285	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	11/24/69-06/29/77	76	320.	376.563	1040.	67.5	51953.406	227.933	129.7	176.75	565.75	652.8
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/24/69-06/29/77	77	0.45	0.481	0.99	0.22	0.031	0.176	0.278	0.33	0.59	0.724
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	03/13/72-09/14/79	19	85.	82.842	97.	57.	87.474	9.353	71.	80.	90.	94.
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	03/13/72-09/14/79	19	90.	88.	99.	72.	76.556	8.75	72.	81.	94.	98.
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	03/13/72-09/14/79	19	96.	94.474	100.	80.	38.263	6.186	82.	90.	100.	100.
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	03/13/72-09/14/79	13	99.	97.538	100.	92.	9.103	3.017	92.	95.5	100.	100.
70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	03/15/73-09/14/79	8	100.	100.	100.	100.	0.	0.	**	**	**	**
70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	03/13/72-09/14/79	19	31.	31.	56.	7.	164.	12.806	9.	22.	42.	49.
70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	03/13/72-09/14/79	19	40.	39.947	64.	12.	204.497	14.3	13.	32.	52.	63.
70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	03/13/72-09/14/79	19	51.	50.316	73.	19.	194.339	13.941	29.	43.	61.	72.
70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	03/13/72-09/14/79	19	63.	61.947	90.	28.	169.942	13.036	46.	55.	67.	80.
70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	03/13/72-09/14/79	19	75.	74.632	95.	46.	104.912	10.243	61.	72.	81.	87.
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/21/64-07/19/73	72	7.15	7.374	16.	2.1	5.567	2.359	4.83	5.525	8.8	10.
71885	IRON (UG/L AS FE)	09/21/64-10/06/65	2	700.	700.	1000.	400.	180000.	424.264	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/06/65-10/06/65	1	0.49	0.49	0.49	0.49	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	08/04/71-08/04/71	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/15/70-06/29/77	14 ##	0.25	4.739	61.	0.	262.615	16.205	0.125	0.25	0.25	31.8
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/13/72-09/14/79	21	286.	510.429	1880.	16.	317038.157	563.061	30.4	128.	909.	1596.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	03/13/72-09/14/79	21	1450.	2965.062	15000.	6.3	15338090.78	3916.387	37.2	239.5	4535.	8636.
80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	06/28/72-09/10/74	8	0.5	0.625	2.	0.	0.554	0.744	**	**	**	**
80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	06/28/72-09/10/74	8	1.	0.875	2.	0.	0.696	0.835	**	**	**	**
80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	06/28/72-09/10/74	8	2.	4.75	12.	2.	15.929	3.991	**	**	**	**
80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	06/28/72-09/10/74	8	11.	13.625	31.	6.	61.696	7.855	**	**	**	**
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	06/28/72-09/10/74	8	16.5	20.75	41.	9.	150.786	12.279	**	**	**	**
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	06/28/72-09/10/74	8	19.5	26.625	51.	12.	273.125	16.526	**	**	**	**
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	06/28/72-09/10/74	8	24.5	34.5	68.	14.	472.	21.726	**	**	**	**
80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	06/28/72-09/10/74	8	34.5	43.625	84.	16.	688.839	26.246	**	**	**	**
80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	06/28/72-09/10/74	8	39.	45.125	100.	10.	900.982	30.016	**	**	**	**
80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	06/28/72-09/10/74	6	100.	80.	100.	36.	966.4	31.087	**	**	**	**
80174	BED MATERIAL SIEVE DIAMETER,% FINER THAN 64.0MM	09/10/74-09/10/74	2	100.	100.	100.	100.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: CUVA0063

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	9	1	0.11	5	1	0.20	2	0	0.00	2	0	0.00			

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

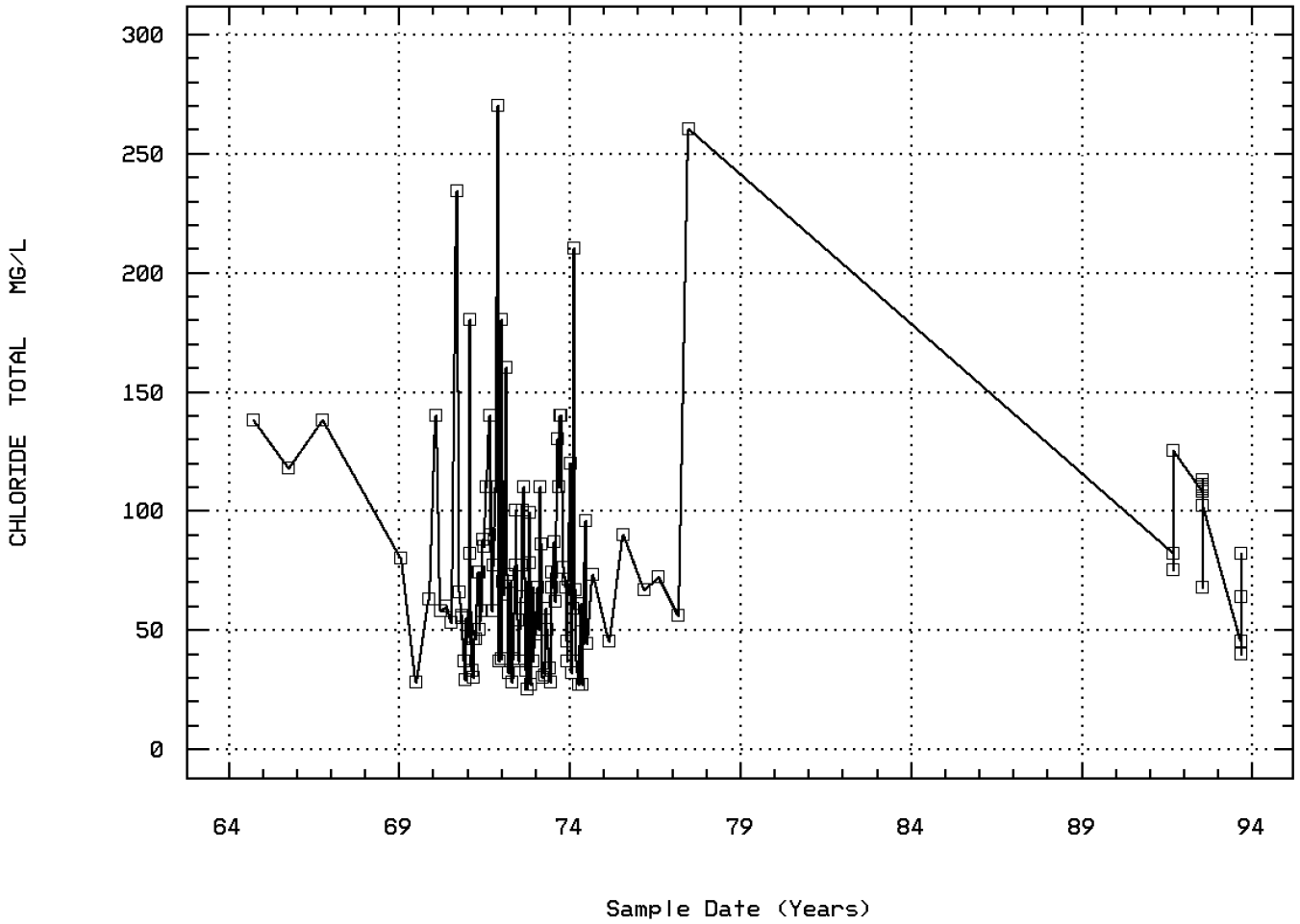
EPA Water Quality Criteria Analysis for Station: CUVA0063

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	29	0	0.00	8	0	0.00	13	0	0.00	8	0	0.00			
		Other-Lo Lim.	6.5	29	0	0.00	8	0	0.00	13	0	0.00	8	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	28	0	0.00	9	0	0.00	11	0	0.00	8	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	44	0	0.00	12	0	0.00	18	0	0.00	14	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	28	0	0.00	9	0	0.00	11	0	0.00	8	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	28	0	0.00	9	0	0.00	11	0	0.00	8	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	125	0	0.00	52	0	0.00	43	0	0.00	30	0	0.00			
		Drinking Water	250.	125	2	0.02	52	0	0.00	43	1	0.02	30	1	0.03			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	101	0	0.00	32	0	0.00	41	0	0.00	28	0	0.00			
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	94	0	0.00	28	0	0.00	38	0	0.00	28	0	0.00			
00951	FLOURIDE, TOTAL AS F	Drinking Water	4.	4	0	0.00	4	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	50.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5	3	0.60	2	0	0.00	1	1	1.00	2	2	1.00			
		Drinking Water	1300.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	15.	5	1	0.20	2	0	0.00	1	1	1.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	5000.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	16	16	1.00	16	16	1.00									
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	9	0	0.00	9	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	72	0	0.00	23	0	0.00	29	0	0.00	20	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	14	2	0.14	8	1	0.13	1	0	0.00	5	1	0.20			
		Drinking Water	2.	14	2	0.14	8	1	0.13	1	0	0.00	5	1	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: CUVA0063 Parameter Code: 00940

CHLORIDE,TOTAL IN WATER



CUYAHOGA R AT OLD PORTAGE OH

Annual Analysis for 1964 - Station CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-09/02/93	1	960.	960.	960.	960.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-06/29/77	1	202.	202.	202.	202.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-06/29/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-06/29/77	1	314.	314.	314.	314.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-06/29/77	1	148.	148.	148.	148.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-09/03/93	1	138.	138.	138.	138.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-06/29/77	1	102.	102.	102.	102.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-06/29/77	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**

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

Annual Analysis for 1965 - Station CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/65-09/02/93	1	16.7	16.7	16.7	16.7	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-09/02/93	1	901.	901.	901.	901.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-06/29/77	1	195.	195.	195.	195.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-06/29/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-06/29/77	1	301.	301.	301.	301.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-06/29/77	1	141.	141.	141.	141.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-09/03/93	1	118.	118.	118.	118.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-06/29/77	1	111.	111.	111.	111.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-06/29/77	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 1966 - Station CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/65-09/02/93	1	14.4	14.4	14.4	14.4	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-09/02/93	1	1010.	1010.	1010.	1010.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-06/29/77	1	210.	210.	210.	210.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-06/29/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-06/29/77	1	326.	326.	326.	326.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-06/29/77	1	154.	154.	154.	154.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-09/03/93	1	138.	138.	138.	138.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/65-09/02/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-09/02/93	3	561.	505.	587.	367.	14452.	120.216	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/24/69-06/29/77	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-06/29/77	1	134.	134.	134.	134.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-06/29/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-06/29/77	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-06/29/77	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-09/03/93	3	63.	57.	80.	28.	703.	26.514	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-06/29/77	1	74.	74.	74.	74.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/65-09/02/93	8	15.5	13.5	26.	3.	62.857	7.928	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-09/02/93	11	541.	606.182	1220.	363.	57947.964	240.724	376.4	454.	723.	1140.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/24/69-06/29/77	7	115.	116.714	197.	71.	1624.571	40.306	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-06/29/77	7	140.	142.286	240.	86.	2424.238	49.237	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-06/29/77	7	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-06/29/77	7	190.	199.429	290.	130.	3122.286	55.877	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-06/29/77	7	76.	82.857	125.	60.	463.476	21.528	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-09/03/93	11	56.	76.636	234.	29.	3527.655	59.394	30.6	53.	66.	215.2
00945	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-06/29/77	7	75.	78.286	123.	58.	458.238	21.406	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-06/29/77	7	0.3	0.286	0.4	0.1	0.015	0.121	**	**	**	**

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Annual Analysis for 1971 - Station CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/65-09/02/93	24	16.5	15.646	32.	3.	96.445	9.821	3.5	4.625	24.75	28.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/71-09/03/93	6	181.	313.	912.	71.	100737.6	317.392	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-09/02/93	24	673.5	670.917	1260.	285.	56941.123	238.623	335.	469.5	859.25	966.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/24/69-06/29/77	24	121.	109.5	151.	51.	980.783	31.317	57.	80.75	129.75	147.5
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-06/29/77	24	148.	132.458	182.	62.	1361.824	36.903	70.	98.5	157.75	177.
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-06/29/77	24	0.	0.542	5.	0.	2.172	1.474	0.	0.	0.	4.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-06/29/77	24	220.	209.917	310.	98.	3993.21	63.192	105.	162.5	257.5	295.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-06/29/77	24	99.	100.25	160.	40.	1094.196	33.079	50.5	74.5	120.	150.
00940	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-09/03/93	24	79.5	91.042	270.	30.	3151.085	56.135	35.	47.75	110.	180.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-06/29/77	24	78.	77.208	110.	40.	406.172	20.154	43.	62.75	93.5	105.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-06/29/77	24	0.3	0.262	0.5	0.1	0.006	0.077	0.2	0.2	0.3	0.3

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Annual Analysis for 1972 - Station CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/65-09/02/93	34	15.	15.324	28.	2.5	76.422	8.742	4.	6.25	25.125	26.25
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/71-09/03/93	30	596.	720.833	2290.	77.	333135.385	577.179	117.9	204.75	1037.5	1618.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-09/02/93	24	544.5	543.042	856.	316.	29177.868	170.815	330.	385.5	674.75	841.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/24/69-06/29/77	24	94.5	100.875	163.	51.	842.114	29.019	64.	80.5	128.75	140.5
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-06/29/77	24	115.	122.417	185.	62.	1171.297	34.224	78.	98.5	156.75	171.5
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-06/29/77	24	0.	0.292	7.	0.	2.042	1.429	0.	0.	0.	0.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-06/29/77	24	185.	192.5	320.	120.	2889.13	53.751	130.	150.	237.5	270.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-06/29/77	24	91.5	91.167	160.	55.	713.884	26.719	61.	68.	107.5	130.
00940	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-09/03/93	24	66.5	65.	160.	25.	1083.043	32.91	27.5	37.	77.75	105.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-06/29/77	24	69.5	69.375	110.	47.	302.766	17.4	49.5	54.	82.75	95.5
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-06/29/77	24	0.2	0.2	0.3	0.1	0.005	0.072	0.1	0.125	0.275	0.3

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

Annual Analysis for 1973 - Station CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/65-09/02/93	26	17.	16.288	31.	4.	74.603	8.637	5.	8.625	25.	28.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/71-09/03/93	28	423.5	577.929	1900.	63.	240017.624	489.916	84.1	248.	907.	1283.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-09/02/93	24	565.5	574.125	954.	307.	35529.158	188.492	322.	430.5	689.	892.5

** - 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 1973 - Station CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/24/69-06/29/77	24	104.	107.167	173.	59.	819.536	28.628	73.5	89.	120.5	154.
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-06/29/77	24	127.	128.875	195.	72.	1006.897	31.732	89.5	108.25	147.25	178.5
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-06/29/77	24	0.	0.875	8.	0.	4.636	2.153	0.	0.	0.	5.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-06/29/77	14	180.	175.	270.	110.	1857.692	43.101	115.	145.	202.5	240.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-06/29/77	14	82.5	78.643	120.	46.	409.786	20.243	48.5	59.5	92.	108.
00940	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-09/03/93	24	68.	70.917	140.	28.	1154.514	33.978	30.5	45.75	86.75	135.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-06/29/77	24	66.5	70.042	120.	35.	394.824	19.87	46.	59.25	76.25	100.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-06/29/77	18	0.2	0.206	0.3	0.1	0.004	0.064	0.1	0.2	0.225	0.3

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

Annual Analysis for 1974 - Station CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/65-09/02/93	13	5.	8.154	20.	1.	36.016	6.001	1.8	4.25	11.	19.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/71-09/03/93	20	581.	831.9	1980.	19.	465036.621	681.936	188.2	250.	1490.	1939.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-09/02/93	13	483.	524.923	1040.	301.	45080.077	212.321	303.	346.5	655.5	928.4
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/24/69-06/29/77	13	90.	88.923	130.	56.	581.91	24.123	56.8	65.5	101.	129.2
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-06/29/77	13	110.	108.462	159.	68.	866.269	29.432	69.2	80.	123.	157.8
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-06/29/77	13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-06/29/77	13	160.	166.154	250.	110.	1825.641	42.728	114.	125.	195.	242.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-06/29/77	13	68.	78.231	150.	50.	835.526	28.905	50.8	61.5	91.	138.
00940	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-09/03/93	13	59.	69.769	210.	27.	2513.192	50.132	27.	34.5	84.5	174.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-06/29/77	13	58.	59.615	85.	44.	152.59	12.353	44.8	49.5	69.	81.4
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-06/29/77	13	0.3	0.354	0.9	0.1	0.058	0.24	0.14	0.2	0.4	0.86

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

Annual Analysis for 1975 - Station CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/65-09/02/93	3	26.	19.167	29.	2.5	210.583	14.511	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/71-09/03/93	3	527.	488.333	768.	170.	90522.333	300.869	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-09/02/93	2	530.	530.	680.	380.	45000.	212.132	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/24/69-06/29/77	2	100.5	100.5	133.	68.	2112.5	45.962	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-06/29/77	2	122.5	122.5	162.	83.	3120.5	55.861	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-06/29/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-06/29/77	2	175.	175.	230.	120.	6050.	77.782	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-06/29/77	2	75.5	75.5	99.	52.	1104.5	33.234	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-09/03/93	2	67.5	67.5	90.	45.	1012.5	31.82	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-06/29/77	2	60.	60.	73.	47.	338.	18.385	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-06/29/77	2	0.25	0.25	0.3	0.2	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 box-and-whisker plot

Annual Analysis for 1976 - Station CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/65-09/02/93	5	22.	17.9	23.5	7.	52.05	7.215	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/71-09/03/93	6	1630.	1599.5	3380.	199.	1290672.7	1136.078	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-09/02/93	2	547.5	547.5	610.	485.	7812.5	88.388	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/24/69-06/29/77	2	100.	100.	121.	79.	882.	29.698	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-06/29/77	2	122.	122.	148.	96.	1352.	36.77	**	**	**	**

** - 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

Annual Analysis for 1976 - Station CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-06/29/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-06/29/77	2	175.	175.	220.	130.	4050.	63.64	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-06/29/77	2	75.	75.	96.	54.	882.	29.698	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-09/03/93	2	69.5	69.5	72.	67.	12.5	3.536	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-06/29/77	2	55.	55.	61.	49.	72.	8.485	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-06/29/77	2	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 box-and-whisker plot

Annual Analysis for 1977 - Station CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/65-09/02/93	2	18.5	18.5	29.	8.	220.5	14.849	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/71-09/03/93	4	1345.	1556.	3170.	364.	1425784.	1194.062	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-09/02/93	2	822.5	822.5	1220.	425.	316012.5	562.15	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/24/69-06/29/77	2	97.	97.	133.	61.	2592.	50.912	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-06/29/77	2	118.	118.	162.	74.	3872.	62.225	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-06/29/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-06/29/77	2	180.	180.	240.	120.	7200.	84.853	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-06/29/77	2	84.5	84.5	110.	59.	1300.5	36.062	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-09/03/93	2	158.	158.	260.	56.	20808.	144.25	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-06/29/77	2	61.5	61.5	80.	43.	684.5	26.163	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-06/29/77	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**

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Annual Analysis for 1978 - Station CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/71-09/03/93	1	1840.	1840.	1840.	1840.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/71-09/03/93	1	5900.	5900.	5900.	5900.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/71-09/03/93	1	81.	81.	81.	81.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/65-09/02/93	1	23.5	23.5	23.5	23.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/71-09/03/93	4	556.	513.75	558.	385.	7370.917	85.854	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-09/02/93	1	790.	790.	790.	790.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-09/03/93	4	78.5	89.25	125.	75.	578.917	24.061	**	**	**	**

** - 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 box-and-whisker plot

Annual Analysis for 1992 - Station CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/65-09/02/93	9	23.	23.	23.	23.	0.	0.	23.	23.	23.	23.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/71-09/03/93	9	1050.	1064.556	1530.	675.	51484.528	226.902	675.	975.	1140.	1530.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-09/02/93	5	644.	660.	692.	640.	584.	24.166	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-09/03/93	9	109.	104.444	113.	68.	195.778	13.992	68.	105.	110.5	113.

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

Annual Analysis for 1993 - Station CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/65-09/02/93	1	22.7	22.7	22.7	22.7	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/71-09/03/93	4	1100.	1127.75	1400.	911.	47546.917	218.053	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-09/02/93	1	360.	360.	360.	360.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-09/03/93	4	54.5	57.75	82.	40.	368.25	19.19	**	**	**	**

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/65-09/02/93	51	23.	22.859	31.	12.	17.244	4.153	16.76	20.5	26.	28.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/71-09/03/93	46	477.5	722.696	5900.	63.	884626.928	940.546	79.8	147.5	1050.75	1439.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-09/02/93	42	686.	707.119	1220.	336.	37790.742	194.398	406.2	588.5	869.	958.2
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/24/69-06/29/77	30	131.5	132.267	197.	82.	601.168	24.519	100.4	119.5	147.5	162.3
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-06/29/77	33	162.	162.788	240.	100.	861.735	29.355	124.	148.	178.5	199.2
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-06/29/77	33	0.	1.091	8.	0.	5.21	2.283	0.	0.	0.	5.2
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-06/29/77	27	250.	249.148	326.	140.	2664.977	51.623	178.	210.	290.	315.2
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-06/29/77	27	120.	114.296	160.	56.	949.678	30.817	65.8	93.	141.	155.2
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-09/03/93	52	88.5	91.	234.	25.	1356.51	36.831	41.5	66.5	110.	138.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-06/29/77	32	87.5	86.531	123.	47.	418.064	20.447	55.5	72.25	100.	110.7
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-06/29/77	28	0.3	0.286	0.7	0.1	0.012	0.108	0.19	0.2	0.3	0.4
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-07/19/73	24	454.	454.542	728.	182.	18280.955	135.207	244.	371.	553.5	619.5
70302	SOLIDS, DISSOLVED-TONS PER DAY	11/24/69-06/29/77	23	167.	203.861	624.	67.5	15219.104	123.366	96.78	129.	225.	396.8
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/24/69-06/29/77	24	0.56	0.573	0.99	0.25	0.029	0.169	0.33	0.45	0.69	0.785
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/21/64-07/19/73	23	8.5	8.509	16.	4.7	6.032	2.456	5.62	6.8	9.6	11.6

** - 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: 11/01 to 3/14 - Station CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/65-09/02/93	48	5.	6.188	15.	1.	11.273	3.357	2.95	4.	8.	12.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/71-09/03/93	42	776.	912.548	3380.	19.	552928.01	743.591	225.6	341.	1082.5	1816.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-09/02/93	43	505.	555.488	1260.	285.	44426.208	210.775	346.4	383.	613.	863.2
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/24/69-06/29/77	41	92.	88.512	128.	51.	411.556	20.287	58.6	71.5	103.	116.
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-06/29/77	41	112.	107.927	156.	62.	612.62	24.751	71.6	87.	125.5	142.
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-06/29/77	41	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-06/29/77	37	170.	169.405	260.	98.	1718.637	41.456	118.	135.	200.	230.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-06/29/77	37	76.	81.784	150.	40.	582.396	24.133	52.	66.	97.	114.
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-09/03/93	43	63.	76.721	270.	27.	2848.682	53.373	32.4	38.	82.	172.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-06/29/77	41	65.	64.366	94.	40.	161.438	12.706	43.8	55.5	73.5	77.8
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-06/29/77	38	0.2	0.216	0.5	0.1	0.009	0.095	0.1	0.2	0.225	0.4
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-07/19/73	29	320.	328.828	702.	180.	15255.576	123.513	186.	225.	393.	524.
70302	SOLIDS, DISSOLVED-TONS PER DAY	11/24/69-06/29/77	31	454.	460.065	1040.	159.	38789.729	196.951	227.	307.	584.	668.6
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/24/69-06/29/77	31	0.43	0.437	0.95	0.24	0.028	0.167	0.256	0.3	0.53	0.7
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/21/64-07/19/73	29	7.	7.252	14.	4.8	4.418	2.102	5.	5.45	8.65	10.

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Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0063

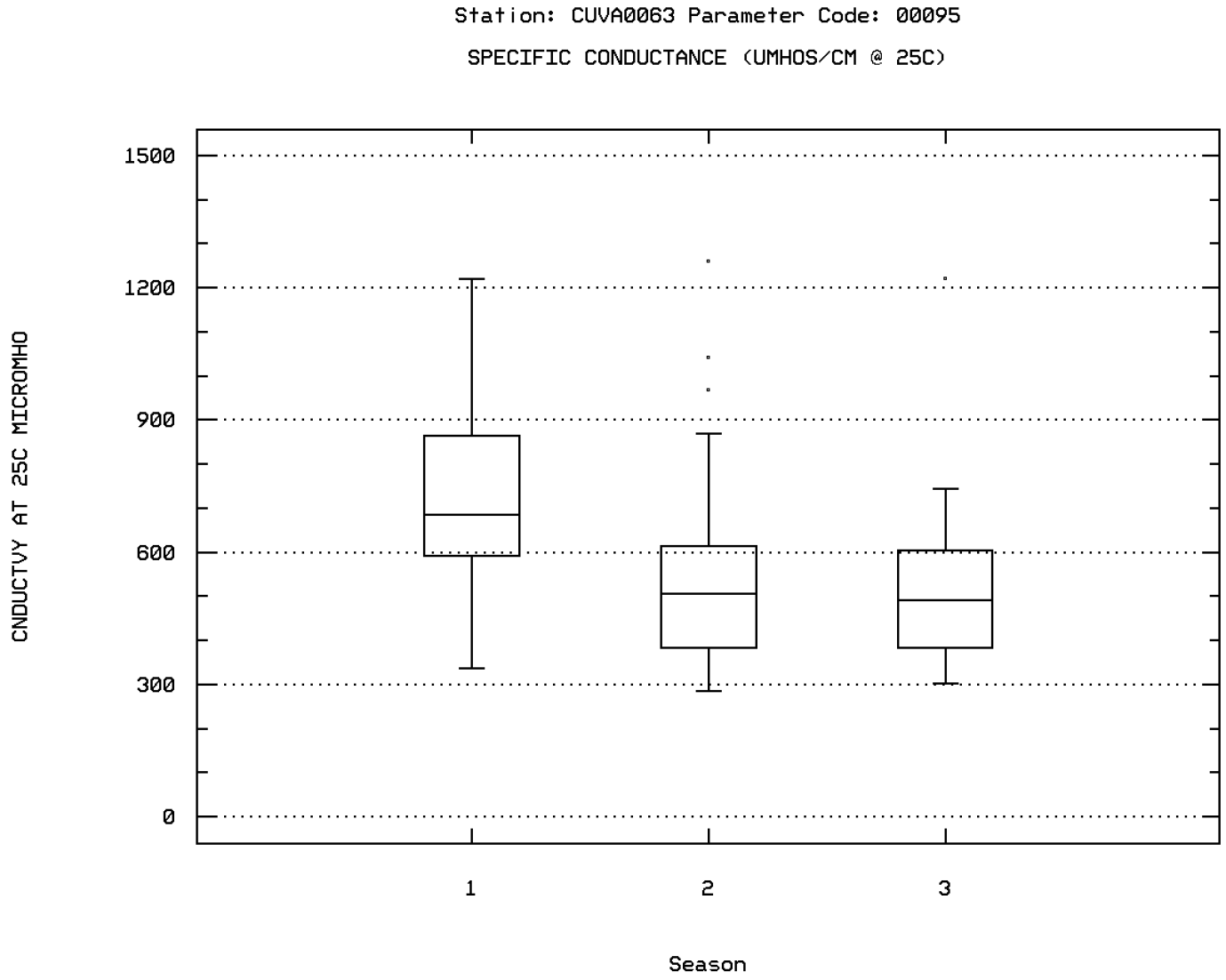
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/65-09/02/93	30	17.	18.05	32.	4.	50.385	7.098	8.55	12.875	25.	28.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/71-09/03/93	29	683.	896.759	2290.	115.	422621.047	650.093	206.	373.5	1490.	1900.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-09/02/93	30	490.	515.233	1220.	301.	36211.495	190.293	307.1	372.	617.25	716.4
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/24/69-06/29/77	28	96.	96.5	144.	51.	714.63	26.733	58.7	75.	120.5	133.
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-06/29/77	28	117.	117.321	165.	62.	1024.745	32.012	71.6	91.25	147.25	162.
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-06/29/77	28	0.	0.179	5.	0.	0.893	0.945	0.	0.	0.	0.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-06/29/77	28	165.	175.357	260.	110.	2359.127	48.571	119.	130.	217.5	250.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-06/29/77	28	75.5	79.393	120.	46.	550.84	23.47	50.9	60.25	97.75	120.
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-09/03/93	30	56.	61.633	260.	27.	1836.93	42.859	28.	33.5	74.	95.2
00945	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-06/29/77	28	61.5	62.643	92.	35.	249.497	15.795	44.	48.25	77.	87.4
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-06/29/77	28	0.2	0.264	0.9	0.1	0.032	0.179	0.1	0.2	0.3	0.44
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-07/19/73	20	311.	310.1	506.	164.	9546.726	97.707	196.6	212.5	390.	441.8
70302	SOLIDS, DISSOLVED-TONS PER DAY	11/24/69-06/29/77	22	396.5	439.455	1040.	108.	67087.117	259.012	142.	191.25	619.5	867.2

** - 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 #3: 3/15 to 6/30 - Station CUVA0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/24/69-06/29/77	22	0.425	0.441	0.91	0.22	0.027	0.165	0.27	0.303	0.548	0.663
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/21/64-07/19/73	20	5.85	6.245	9.8	2.1	4.385	2.094	3.91	4.825	8.15	8.8

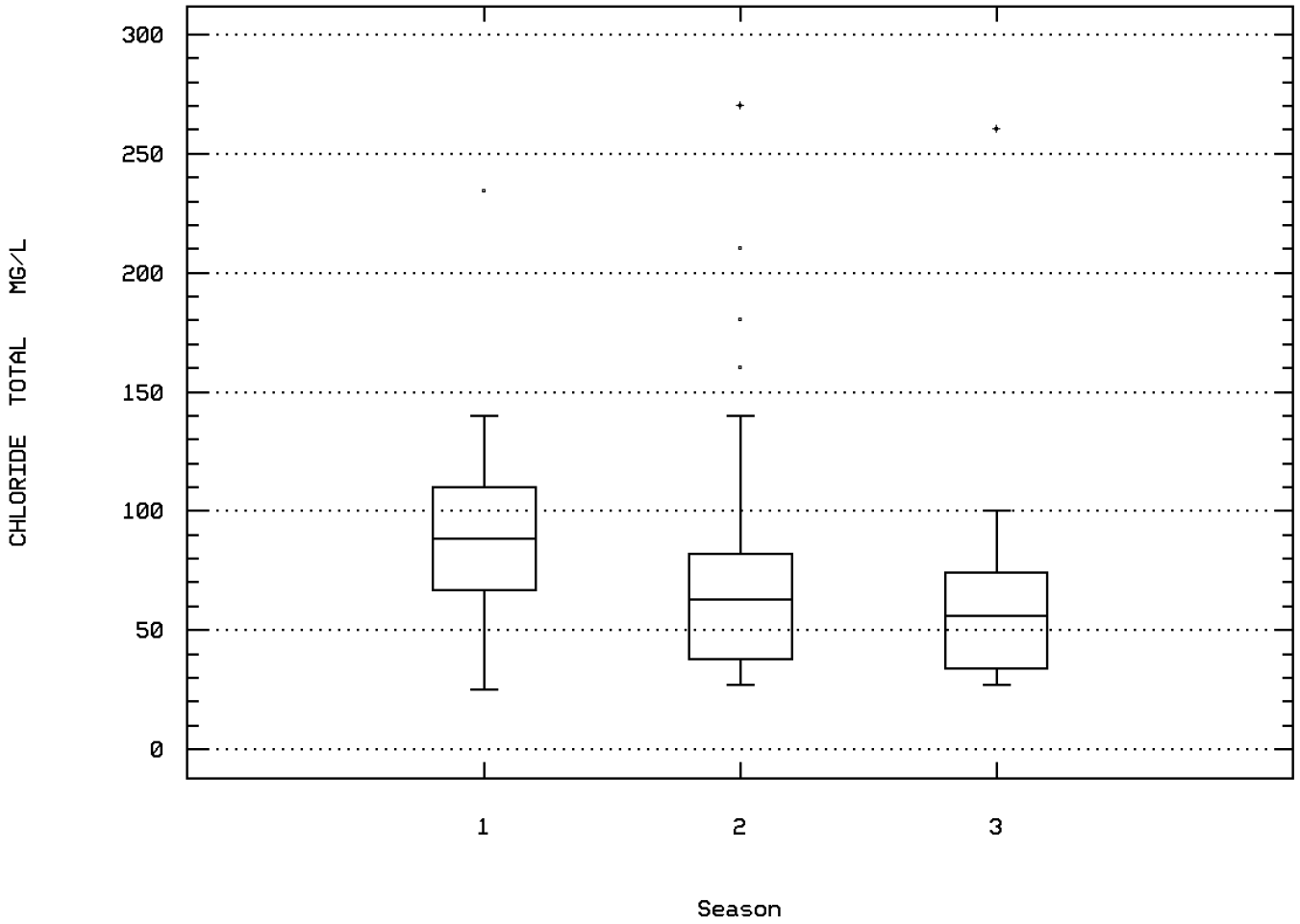
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot



CUYAHOGA R AT OLD PORTAGE OH

Station: CUVA0063 Parameter Code: 00940

CHLORIDE,TOTAL IN WATER



CUYAHOGA R AT OLD PORTAGE OH

Station Inventory for Station: CUVA0064

NPS Station ID: CUVA0064
LAT/LON: 41.135559/ -81.635004
Agency: 21OHIO
Date Created: 03/29/80
Location: YELLOW CREEK NR STONEY HILL - S.R. 18
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): F01P18
RMI-Indexes: 0603002 000800
Within Park Boundary: No
RMI-Miles: 0037.16 0008.48
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 34.740
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 04110002002203.29
RF3 Mile Point: 3.32
Distance from RF3: 0.02
On/Off RF3:
Description:
PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS LOCATION-SUMMIT COUNTY; YELLOW CREEK AT SR 18 NEAR STONEY HILL
RMI=1187.93/37.16/8.48 COLLECTION-OHIO EPA NORTHEAST DIST OFFICE
WATER USE DESIGNATION AS OF 01/23/80-WWH

Parameter Inventory for Station: CUVA0064

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/04/78-05/04/78	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/04/78-05/04/78	1	11.8	11.8	11.8	11.8	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/04/78-05/04/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/04/78-05/04/78	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/04/78-05/04/78	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/04/78-05/04/78	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/04/78-05/04/78	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/04/78-05/04/78	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/04/78-05/04/78	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/04/78-05/04/78	1	188.	188.	188.	188.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/04/78-05/04/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/04/78-05/04/78	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/04/78-05/04/78	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/04/78-05/04/78	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/04/78-05/04/78	1	0.67	0.67	0.67	0.67	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/04/78-05/04/78	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/04/78-05/04/78	1	124.	124.	124.	124.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/78-05/04/78	1	100.	100.	100.	100.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/78-05/04/78	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			100.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/04/78-05/04/78	1	88.	88.	88.	88.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/04/78-05/04/78	1	1.944	1.944	1.944	1.944	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			88.								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	05/04/78-05/04/78	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0064

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00							1	0	0.00			
00400	PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
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: CUVA0065

NPS Station ID: CUVA0065
LAT/LON: 41.138059/ -81.563059
Agency: 112WRD
Date Created: 03/21/92
Location: SAND RN AT OLD PORTAGE OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 410817081334700
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 4.50
On/Off RF1:
RF3 Index: 04110002002000.00
RF3 Mile Point: 0.52
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/91-09/02/93	5	21.	21.1	22.	20.	0.8	0.894	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/04/91-07/13/92	4	5.	5.	5.	5.	0.	0.	**	**	**	**
00065	STAGE, STREAM (FEET)	09/04/91-07/13/92	5	10.25	7.06	10.35	1.65	20.026	4.475	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/04/91-09/02/93	5	500.	444.2	700.	238.	40936.2	202.327	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/04/91-09/03/93	7	133.	397.714	1940.	102.	463835.905	681.055	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/04/91-09/03/93	7	39.	37.429	55.	17.	141.619	11.9	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/91-09/03/93	7	5500.	18057.143	73000.	2200.	686986190.476	26210.421	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/91-09/03/93	7	3.74	3.921	4.863	3.342	0.304	0.552	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8330.054								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/13/92-07/13/92	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	07/13/92-07/13/92	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			1.								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	09/04/91-09/03/93	7	6000.	25514.286	120000.	3200.	1864501428.571	43179.873	**	**	**	**
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	09/04/91-09/03/93	7	3.778	3.988	5.079	3.505	0.351	0.592	**	**	**	**
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			9737.535								

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

EPA Water Quality Criteria Analysis for Station: CUVA0065

Parameter				Total	Exceed	Prop.	----------7/01-10/31----------			----------11/01-3/14----------			----------3/15-6/30----------			----------n/a----------		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	7	0	0.00	7	0	0.00									
		Drinking Water	250.	7	0	0.00	7	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	7	7	1.00	7	7	1.00									
31625	FECAL COLIFORM, MF	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: CUVA0066

NPS Station ID: CUVA0066 LAT/LON: 41.138892/ -81.548059 Agency: 21OHIO Date Created: 03/29/80
Location: MUD BROOK N OF AKRON - AKRON-PENINSULA RD. FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01P24
RMI-Indexes: 0603002 000890 Within Park Boundary: No
RMI-Miles: 0039.78 0000.18
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 32.460 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002040800.00 RF3 Mile Point: 0.00 Distance from RF3: 0.02 On/Off RF3:
Description:
PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS LOCATION-SUMMIT COUNTY; MUD BROOK AT AKRON-PENNINSULA ROAD N OF AKRON
RMI=1187.93/39.78/0.18 COLLECTION-OHIO EPA NORTHEAST DIST OFFICE
WATER USE DESIGNATION AS OF 01/24/80-WWH

Parameter Inventory for Station: CUVA0066

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/75-07/02/75	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/12/73-12/12/73	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/12/73-07/02/75	2	455.	455.	470.	440.	450.	21.213	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/02/75-07/02/75	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	12/12/73-07/02/75	2	2.5	2.5	4.	1.	4.5	2.121	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	12/12/73-07/02/75	2	25.5	25.5	35.	16.	180.5	13.435	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/02/75-07/02/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/02/75-07/02/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/75-07/02/75	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	12/12/73-07/02/75	2	421.	421.	451.	391.	1800.	42.426	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/12/73-07/02/75	2	406.	406.	445.	367.	3042.	55.154	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/02/75-07/02/75	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/12/73-07/02/75	2	0.115	0.115	0.13	0.1	0.	0.021	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/12/73-07/02/75	2	0.4	0.4	0.7	0.1	0.18	0.424	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/12/73-07/02/75	2	0.8	0.8	1.2	0.4	0.32	0.566	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/12/73-12/12/73	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/12/73-07/02/75	2	0.075	0.075	0.15	0.	0.011	0.106	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/02/75-07/02/75	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/02/75-07/02/75	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/02/75-07/02/75	1	218.	218.	218.	218.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/02/75-07/02/75	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	12/12/73-12/12/73	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	12/12/73-07/02/75	2 ##	17.5	17.5	20.	15.	12.5	3.536	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/02/75-07/02/75	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/02/75-07/02/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/02/75-07/02/75	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	12/12/73-12/12/73	1	500.	500.	500.	500.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/02/75-07/02/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/12/73-09/18/84	3	130.	173.333	330.	60.	19633.333	140.119	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/12/73-09/18/84	3	2.114	2.137	2.519	1.778	0.137	0.371	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			137.047								

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

Parameter Inventory for Station: CUVA0066

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	12/12/73-07/02/75	2	200.	200.	300.	100.	20000.	141.421	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	12/12/73-07/02/75	2	2.239	2.239	2.477	2.	0.114	0.337	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			173.205								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/02/75-07/02/75	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	12/12/73-12/12/73	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0066

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	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									
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									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	1	0.33	2	1	0.50	1	0	0.00						

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

Station Inventory for Station: CUVA0067

NPS Station ID: CUVA0067 LAT/LON: 41.138892/ -81.548338 Agency: 112WRD Date Created: 02/29/92
Location: MUD BK AT AKRON-PENINSULA ROAD NR AKRON OH FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 04206050
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002064600.00 RF3 Mile Point: 1.38 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0067

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/91-09/03/93	7	22.	22.371	24.	21.5	0.832	0.912	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/04/91-09/03/93	10	66.	94.5	170.	36.	3265.833	57.147	36.3	47.25	160.	169.
00065	STAGE, STREAM (FEET)	09/04/91-09/03/93	10	1.005	1.108	1.4	0.86	0.057	0.239	0.861	0.893	1.38	1.398
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/04/91-09/03/93	7	550.	519.714	610.	440.	3918.905	62.601	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/04/91-09/03/93	9	192.	644.333	3540.	74.	1271096.	1127.429	74.	131.5	670.	3540.
00940	CHLORIDE,TOTAL IN WATER MG/L	09/04/91-09/03/93	9	45.	48.	63.	38.	60.75	7.794	38.	43.	54.	63.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/91-09/03/93	7	13000.	14942.857	25000.	6900.	52312857.143	7232.763	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/91-09/03/93	7	4.114	4.129	4.398	3.839	0.048	0.219	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			13448.583								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	09/04/91-09/03/93	8	7650.	11712.5	27000.	2400.	88338392.857	9398.851	**	**	**	**
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	09/04/91-09/03/93	8	3.873	3.932	4.431	3.38	0.144	0.38	**	**	**	**
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			8550.55								

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

EPA Water Quality Criteria Analysis for Station: CUVA0067

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	9	0	0.00	9	0	0.00									
		Drinking Water	250.	9	0	0.00	9	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	7	7	1.00	7	7	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: CUVA0068

NPS Station ID: CUVA0068
LAT/LON: 41.152781/ -81.508893
Agency: 21OHIO
Date Created: 07/17/82
Location: MUD BROOK NR CUYAHOGA FALLS - S.R. 8
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): F01P26
RMI-Indexes: 0603003 000890
Within Park Boundary: No
RMI-Miles: 0039.78 0003.13
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 04110002002114.63
RF3 Mile Point: 14.65
Distance from RF3: 0.01
On/Off RF3:
Description:
PURPOSE- OHIO EPA SPECIAL &/OR SHORT TERM SURVEY LOCATION-SUMMIT COUNTY; MUD BROOK AT STATE ROUTE 8 BELOW DAM; NORTH SIDE OF CUYAHOGA FALLS RMI-1187.93/39.78/3.13
COLLECTION-OHIO EPA NORTHEAST DISTRICT OFFICE

Parameter Inventory for Station: CUVA0068

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: CUVA0069

NPS Station ID: CUVA0069 LAT/LON: 41.152781/ -81.568059 Agency: 21OHIO Date Created: / /
Location: CUYAHOGA R. UPST AKRON WWTP - AT TRUNKLINE FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 502200
RMI-Indexes: 0603002 Within Park Boundary: No
RMI-Miles: 0037.97
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 30.210 Distance from RF1: 26.00 On/Off RF1: ON
RF3 Index: 05040001006902.11 RF3 Mile Point: 2.10 Distance from RF3: 0.00 On/Off RF3:
Description:
PURPOSE - TO DETERMINE WATER QUALITY ABOVE AKRON STP. LOCATION - SUMMIT CO.; AT TRUNKLINE .75 MILE UPSTREAM FROM AKRON STP DISCHARGE. COLLECTION - GRAB SAMPLES TAKEN BY AKRON WATER QUALITY MANAGEMENT

Parameter Inventory for Station: CUVA0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/03/74-09/24/91	59	13.	11.831	27.5	1.	78.16	8.841	2.	2.5	21.5	24.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/03/74-01/31/75	51	2.	2.098	5.	1.	0.93	0.964	1.	1.	2.	3.
00080	COLOR (PLATINUM-COBALT UNITS)	07/03/74-01/31/75	51	2.	1.882	4.	0.	0.546	0.739	1.	2.	2.	2.8
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	07/12/74-01/31/75	50	2.	1.9	3.	0.	0.622	0.789	1.	1.	2.	3.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/21/84-09/24/91	9	720.	711.333	832.	600.	8571.	92.58	600.	615.	795.	832.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/84-08/28/84	3	790.	800.	820.	790.	300.	17.321	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/03/74-09/24/91	59	9.2	10.188	15.8	5.9	8.391	2.897	6.8	7.6	13.4	13.9
00310	BOD, 5 DAY, 20 DEG C MG/L	07/03/74-08/28/84	54	2.05	2.535	9.6	0.8	2.273	1.507	1.5	1.8	2.625	4.05
00335	COD, .025N K2CR2O7 MG/L	07/16/74-09/24/91	58	20.	22.966	83.	5.	152.209	12.337	15.9	17.	27.	31.1
00400	PH (STANDARD UNITS)	07/03/74-09/24/91	57	7.8	7.721	8.1	6.7	0.06	0.244	7.48	7.6	7.9	8.02
00400	CONVERTED PH (STANDARD UNITS)	07/03/74-09/24/91	57	7.8	7.628	8.1	6.7	0.068	0.261	7.48	7.6	7.9	8.02
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/03/74-09/24/91	57	0.016	0.024	0.2	0.008	0.001	0.026	0.01	0.013	0.025	0.033
00403	PH, LAB, STANDARD UNITS SU	08/23/84-08/28/84	2	7.75	7.75	7.8	7.7	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/23/84-08/28/84	2	7.747	7.747	7.8	7.7	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/23/84-08/28/84	2	0.018	0.018	0.02	0.016	0.	0.003	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/21/84-08/28/84	3	150.	145.	150.	135.	75.	8.66	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/74-09/24/91	59	12.	34.314	650.	2.	8151.732	90.287	4.	8.	22.	86.
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	08/21/84-08/28/84	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/12/74-09/24/91	38	0.18	0.183	0.51	0.025	0.008	0.089	0.068	0.13	0.22	0.265
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/12/74-09/24/91	37	0.04	0.051	0.13	0.01	0.001	0.029	0.02	0.03	0.07	0.092
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/21/84-09/24/91	9	0.7	0.567	0.7	0.1	0.042	0.206	0.1	0.45	0.7	0.7
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/12/74-09/24/91	38	0.85	0.943	2.21	0.5	0.102	0.319	0.658	0.773	1.015	1.394
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/03/74-01/31/75	44	0.475	0.693	4.81	0.21	0.732	0.856	0.28	0.33	0.603	0.965
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/21/84-09/24/91	9	0.09	0.123	0.4	0.025	0.012	0.109	0.025	0.075	0.135	0.4
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/11/91-09/24/91	6 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/91-09/24/91	6	251.	254.167	276.	238.	210.967	14.525	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/11/91-09/24/91	6	72.5	73.5	79.	69.	15.1	3.886	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/11/91-09/24/91	6	17.	17.167	19.	16.	1.367	1.169	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/84-09/24/91	9	112.	117.444	139.	100.	199.528	14.125	100.	105.	130.5	139.
01002	ARSENIC, TOTAL (UG/L AS AS)	07/11/91-09/24/91	6 ##	1.	1.167	2.	1.	0.167	0.408	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/91-09/24/91	6 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/91-09/24/91	6 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/11/91-09/24/91	6 ##	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: CUVA0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051	LEAD, TOTAL (UG/L AS PB)	07/11/91-09/24/91	6 ##	1.5	2.167	4.	1.	2.167	1.472	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/11/91-09/24/91	6 ##	20.	25.	50.	20.	150.	12.247	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/11/91-09/24/91	6	12.5	18.333	40.	5.	186.667	13.663	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/03/74-11/11/74	25	49000.	93920.	480000.	24000.14474326666.667		120309.296	27600.	35000.	89500.	296000.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/03/74-11/11/74	25	4.69	4.797	5.681	4.38	0.119	0.345	4.438	4.544	4.952	5.422
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			62607.631								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/18/74-01/31/75	49	2000.	2386.327	8000.	50.	4062051.849	2015.453	200.	1000.	2990.	6000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/18/74-01/31/75	49	3.301	3.168	3.903	1.699	0.268	0.518	2.301	3.	3.476	3.778
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1470.637								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/84-09/24/91	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	09/18/74-01/31/75	17	0.06	0.148	0.6	0.02	0.032	0.179	0.02	0.04	0.22	0.48
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/21/84-09/24/91	9	512.	516.222	600.	454.	2061.444	45.403	454.	479.	548.	600.
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/21/84-09/24/91	9	1.	1.089	1.9	0.5	0.211	0.459	0.5	0.75	1.45	1.9

** - 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: CUVA0069

				Total	Exceed	Prop.	----------7/01-10/31----------			----------11/01-3/14----------			----------3/15-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	51	0	0.00	20	0	0.00	31	0	0.00						
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	59	0	0.00	29	0	0.00	30	0	0.00						
00400	PH	Other-Hi Lim.	9.	57	0	0.00	29	0	0.00	28	0	0.00						
		Other-Lo Lim.	6.5	57	0	0.00	29	0	0.00	28	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	37	0	0.00	17	0	0.00	20	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	38	0	0.00	18	0	0.00	20	0	0.00						
00720	CYANIDE, TOTAL	Fresh Acute	0.022	6	0	0.00	6	0	0.00									
		Drinking Water	0.2	6	0	0.00	6	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	9	0	0.00	9	0	0.00									
		Drinking Water	250.	9	0	0.00	9	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	6	0	0.00	6	0	0.00									
		Drinking Water	50.	6	0	0.00	6	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	6	0	0.00	6	0	0.00									
		Drinking Water	5.	6	0	0.00	6	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	6	0	0.00	6	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	6	0	0.00	6	0	0.00									
		Drinking Water	1300.	6	0	0.00	6	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	6	0	0.00	6	0	0.00									
		Drinking Water	15.	6	0	0.00	6	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	6	0	0.00	6	0	0.00									
		Drinking Water	100.	6	0	0.00	6	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	6	0	0.00	6	0	0.00									
		Drinking Water	5000.	6	0	0.00	6	0	0.00									
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	25	25	1.00	21	21	1.00	4	4	1.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	49	45	0.92	15	14	0.93	34	31	0.91						

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/03/74-09/24/91	29	21.5	19.345	27.5	9.5	25.305	5.03	11.5	14.5	23.	25.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/03/74-09/24/91	29	7.6	7.752	9.6	5.9	0.97	0.985	6.5	7.1	8.5	9.2
00335	COD, .025N K2CR2O7 MG/L	07/16/74-09/24/91	27	21.	24.593	83.	5.	197.405	14.05	11.4	19.	28.	34.6
00400	PH (STANDARD UNITS)	07/03/74-09/24/91	29	7.8	7.755	8.1	7.2	0.058	0.24	7.4	7.6	7.925	8.1
00400	CONVERTED PH (STANDARD UNITS)	07/03/74-09/24/91	29	7.8	7.69	8.1	7.2	0.062	0.249	7.4	7.6	7.925	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/03/74-09/24/91	29	0.016	0.02	0.063	0.008	0.	0.012	0.008	0.012	0.025	0.04
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/74-09/24/91	28	12.5	40.982	650.	2.	14778.379	121.566	2.45	6.	22.5	90.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/12/74-09/24/91	18	0.135	0.151	0.31	0.025	0.006	0.076	0.025	0.098	0.213	0.238
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/12/74-09/24/91	17	0.06	0.064	0.13	0.03	0.001	0.027	0.03	0.04	0.08	0.106
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/12/74-09/24/91	18	0.87	1.032	2.21	0.5	0.182	0.427	0.572	0.748	1.36	1.607

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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/03/74-09/24/91	30	2.5	4.567	18.	1.	20.84	4.565	1.	2.	5.25	13.45
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/03/74-09/24/91	30	13.3	12.543	15.8	7.3	4.172	2.043	8.55	11.875	13.8	14.18
00335	COD, .025N K2CR2O7 MG/L	07/16/74-09/24/91	31	18.	21.548	74.	14.	113.656	10.661	16.	17.	23.	29.4
00400	PH (STANDARD UNITS)	07/03/74-09/24/91	28	7.75	7.686	7.9	6.7	0.061	0.248	7.48	7.6	7.8	7.9
00400	CONVERTED PH (STANDARD UNITS)	07/03/74-09/24/91	28	7.747	7.573	7.9	6.7	0.074	0.273	7.48	7.6	7.8	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/03/74-09/24/91	28	0.018	0.027	0.2	0.013	0.001	0.035	0.013	0.016	0.025	0.033
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/74-09/24/91	31	12.	28.29	263.	2.	2380.48	48.79	7.2	9.	22.	77.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/12/74-09/24/91	20	0.18	0.211	0.51	0.05	0.009	0.093	0.132	0.173	0.243	0.35
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/12/74-09/24/91	20	0.03	0.04	0.11	0.01	0.001	0.026	0.02	0.02	0.05	0.088
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/12/74-09/24/91	20	0.84	0.863	1.22	0.64	0.021	0.145	0.662	0.785	0.928	1.093

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

Station Inventory for Station: CUVA0070

NPS Station ID: CUVA0070
LAT/LON: 41.154170/ -81.568892
Agency: 12OHDO
Date Created: / /
Location: CUYAHOGA RIVER ABOVE AKRON STP
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 390141
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04110002
Depth of Water: 999
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 30.210
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 04110002000134.04
RF3 Mile Point: 34.11
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0070

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/72-11/07/72	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/07/72-11/07/72	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/07/72-11/07/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	11/07/72-11/07/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/72-11/07/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	11/07/72-11/07/72	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/07/72-11/07/72	1	4780.	4780.	4780.	4780.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	11/07/72-11/07/72	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	11/07/72-11/07/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	11/07/72-11/07/72	1	15.	15.	15.	15.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/07/72-11/07/72	1	3.	3.	3.	3.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/07/72-11/07/72	1	324.	324.	324.	324.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0070

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00				1	0	0.00						
		Drinking Water	0.2	1	0	0.00				1	0	0.00						
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						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
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.	0 &	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						
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						

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

Station Inventory for Station: CUVA0071

NPS Station ID: CUVA0071
LAT/LON: 41.154170/ -81.572504
Agency: 112WRD
Date Created: 11/06/82
Location: CUYAHOGA R NR BOTZUM OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 410915081342100
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 04110002001500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	5	23.	22.6	24.	21.	1.3	1.14	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	2	154.	154.	226.	82.	10368.	101.823	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	5	820.	784.	830.	625.	7917.5	88.98	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	5	6.4	7.02	8.7	5.8	1.582	1.258	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	5	74.	80.4	102.	64.	254.8	15.962	**	**	**	**
00320	BOD, ULTIMATE 1ST STAGE, 20 DEG C MG/L	09/14/82-09/15/82	5	6.8	7.2	12.	4.8	8.145	2.854	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/82-09/15/82	5	7.9	7.97	8.2	7.75	0.032	0.179	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/14/82-09/15/82	5	7.9	7.941	8.2	7.75	0.033	0.182	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-09/15/82	5	0.013	0.011	0.018	0.006	0.	0.005	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	2900.	2900.	2900.	2900.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	3.462	3.462	3.462	3.462	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			2900.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	1	2200.	2200.	2200.	2200.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/14/82-09/14/82	1	3.342	3.342	3.342	3.342	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			2200.								
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	5	2.8	3.6	7.	2.2	3.9	1.975	**	**	**	**
82133	DEOXYGENATION CONST,CARB.,K1 TO BASE E,20C,PER DAY	09/14/82-09/15/82	5	0.16	0.144	0.18	0.09	0.001	0.038	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0071

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/31---------- Obs	Exceed	Prop.	----------11/01-3/14---------- Obs	Exceed	Prop.	----------3/15-6/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
31625	FECAL COLIFORM, MF	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: CUVA0072

NPS Station ID: CUVA0072 LAT/LON: 41.155281/ -81.611115 Agency: 21OHIO Date Created: 03/28/92
Location: YELLOW CRK AT PRIVATE DRIVE, 2.84 MI UPST MOUTH FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01W55
RMI-Indexes: 0603002 000800 Within Park Boundary: No
RMI-Miles: 0037.16 0002.84
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 37.160 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002002202.09 RF3 Mile Point: 2.33 Distance from RF3: 0.03 On/Off RF3:
Description:
PURPOSE - OHIO EPA INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY LOCATION - YELLOW CREEK BETWEEN GHENT AND BOTZUM AT PRIVATE DRIVE, 2.84 MI. UPSTREAM OF MOUTH. ACCESS FROM YELLOW CREEK ROAD. COLLECTION - 1990 SURVEY CONDUCTED BY WQ MODELING SECTION OF DWQPA
USGS QUAD = PENINSULA

Parameter Inventory for Station: CUVA0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/90-08/15/90	1	649.	649.	649.	649.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/15/90-08/15/90	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/90-08/15/90	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/15/90-08/15/90	1	0.41	0.41	0.41	0.41	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/90-08/15/90	1	0.44	0.44	0.44	0.44	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/15/90-08/15/90	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/90-08/15/90	1	71.	71.	71.	71.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/90-08/15/90	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/15/90-08/15/90	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/15/90-08/15/90	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/90-08/15/90	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/15/90-08/15/90	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/15/90-08/15/90	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/15/90-08/15/90	1	399.	399.	399.	399.	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/15/90-08/15/90	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/15/90-08/15/90	1	2.8	2.8	2.8	2.8	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: CUVA0072

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
01034	CHROMIUM, 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

EPA Water Quality Criteria Analysis for Station: CUVA0072

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
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									

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

Station Inventory for Station: CUVA0073

NPS Station ID: CUVA0073 LAT/LON: 41.155837/ -81.617505 Agency: 21OHIO Date Created: 03/28/92
Location: YELLOW CRK AT PRIVATE DRIVE, 3.31 MI UPST MOUTH FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01W54
RMI-Indexes: 0603002 000800 Within Park Boundary: No
RMI-Miles: 0037.16 0003.31
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 37.160 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002002202.09 RF3 Mile Point: 2.32 Distance from RF3: 0.30 On/Off RF3:
Description:
PURPOSE - OHIO EPA INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY LOCATION - YELLOW CREEK BETWEEN GHENT AND BOTZUM AT PRIVATE DRIVE, 3.31 MI. UPSTREAM OF MOUTH. ACCESS FROM YELLOW CREEK RD. COLLECTION - 1991 SURVEY CONDUCTED BY WQ MODELING SECTION OF DWQPA
USGS QUAD = PENINSULA

Parameter Inventory for Station: CUVA0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00335	COD, .025N K2CR2O7 MG/L	09/24/91-09/24/91	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/24/91-09/24/91	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/24/91-09/24/91	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/24/91-09/24/91	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/24/91-09/24/91	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/24/91-09/24/91	1	0.66	0.66	0.66	0.66	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/24/91-09/24/91	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/24/91-09/24/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/24/91-09/24/91	1	278.	278.	278.	278.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/24/91-09/24/91	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/24/91-09/24/91	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/24/91-09/24/91	1	104.	104.	104.	104.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/24/91-09/24/91	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/24/91-09/24/91	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/24/91-09/24/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/24/91-09/24/91	1	360.	360.	360.	360.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/24/91-09/24/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/24/91-09/24/91	1	15.	15.	15.	15.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/24/91-09/24/91	1	472.	472.	472.	472.	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/24/91-09/24/91	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	09/24/91-09/24/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0073

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	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									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: CUVA0074

NPS Station ID: CUVA0074 LAT/LON: 41.157226/ -81.630559 Agency: 21OHIO Date Created: 03/29/80
Location: YELLOW CREEK DST GHENT - YELLOW CREEK RD. FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01P16
RMI-Indexes: 0603002 000800 Within Park Boundary: No
RMI-Miles: 0037.16 0004.08
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 33.260 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002002200.00 RF3 Mile Point: 0.06 Distance from RF3: 0.02 On/Off RF3:
Description:
PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS LOCATION-SUMMIT COUNTY; YELLOW CREEK AT YELLOW CREEK ROAD BELOW GHENT
RMI=1187.93/37.16/4.08 COLLECTION-OHIO EPA NORTHEAST DIST OFFICE
WATER USE DESIGNATION AS OF 01/23/80-WWH

Parameter Inventory for Station: CUVA0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/04/78-08/15/91	3	16.	14.933	20.	8.8	32.213	5.676	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/01/88-08/15/91	2	688.	688.	727.	649.	3042.	55.154	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/01/88-08/15/90	2	714.5	714.5	797.	632.	13612.5	116.673	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/04/78-08/15/91	3	10.	10.467	11.4	10.	0.653	0.808	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/04/78-05/04/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	09/24/91-09/24/91	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/04/78-08/15/91	3	7.9	7.867	8.3	7.4	0.203	0.451	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/04/78-08/15/91	3	7.9	7.718	8.3	7.4	0.236	0.486	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/04/78-08/15/91	3	0.013	0.019	0.04	0.005	0.	0.018	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/04/78-05/04/78	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/04/78-05/04/78	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/04/78-05/04/78	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/04/78-05/04/78	1	304.	304.	304.	304.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/04/78-09/24/91	4 ##	3.75	8.	22.	2.5	88.5	9.407	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/04/78-09/24/91	5 ##	0.025	0.038	0.09	0.025	0.001	0.029	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/04/78-09/24/91	5 ##	0.01	0.011	0.02	0.005	0.	0.005	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/04/78-09/24/91	5	0.3	0.32	0.5	0.1	0.022	0.148	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/04/78-09/24/91	5	0.58	0.56	0.77	0.14	0.066	0.258	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/04/78-09/24/91	4	0.08	0.203	0.59	0.06	0.067	0.259	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/24/91-09/24/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/04/78-09/24/91	3	276.	260.	282.	222.	1092.	33.045	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/90-09/24/91	3	79.	75.667	80.	68.	44.333	6.658	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/91-09/24/91	2	19.5	19.5	20.	19.	0.5	0.707	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/01/88-09/24/91	2	100.5	100.5	101.	100.	0.5	0.707	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/24/91-09/24/91	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/90-09/24/91	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/15/90-09/24/91	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/15/91-09/24/91	2	470.	470.	540.	400.	9800.	98.995	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/15/90-09/24/91	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/90-08/15/90	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/15/90-08/15/90	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: CUVA0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092	ZINC, TOTAL (UG/L AS ZN)	08/15/90-09/24/91	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/78-05/04/78	1	800.	800.	800.	800.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/78-05/04/78	1	2.903	2.903	2.903	2.903	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			800.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/04/78-05/04/78	1	440.	440.	440.	440.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/04/78-05/04/78	1	2.643	2.643	2.643	2.643	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			440.								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	05/04/78-05/04/78	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/15/90-09/24/91	3	458.	451.333	522.	374.	5509.333	74.225	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/15/90-09/24/91	2	1.75	1.75	2.1	1.4	0.245	0.495	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/15/90-09/24/91	2	3.9	3.9	5.5	2.3	5.12	2.263	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0074

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	3	0	0.00	2	0	0.00				1	0	0.00			
00400	PH	Other-Hi Lim.	9.	3	0	0.00	2	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	2	0	0.00				1	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	4	0	0.00				1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	4	0	0.00				1	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	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.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	3	0	0.00	3	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									
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.	3	0	0.00	3	0	0.00									
		Drinking Water	5000.	3	0	0.00	3	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: CUVA0075

NPS Station ID: CUVA0075 LAT/LON: 41.158059/ -81.639448 Agency: 21OHIO Date Created: 03/29/80
Location: YELLOW CREEK AT GHENT - 0.1 MI UPST WYE RD. FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01P17
RMI-Indexes: 0603002 000800 Within Park Boundary: No
RMI-Miles: 0037.16 0004.74
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 32.610 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002002202.09 RF3 Mile Point: 2.67 Distance from RF3: 0.02 On/Off RF3:
Description:
PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS LOCATION-SUMMIT COUNTY; YELLOW RIVER 0.10 MILES UPSTREAM OF WYE ROAD AT GHENT RMI=1187.93/37.16/4.74
COLLECTION-OHIO EPA NORTHEAST DIST OFFICE

Parameter Inventory for Station: CUVA0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/90-08/15/90	1	535.	535.	535.	535.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	09/24/91-09/24/91	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/15/90-09/24/91	2	14.5	14.5	18.	11.	24.5	4.95	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/15/90-09/24/91	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/90-09/24/91	2 ##	0.02	0.02	0.03	0.01	0.	0.014	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/15/90-09/24/91	2	0.35	0.35	0.4	0.3	0.005	0.071	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/90-09/24/91	2	0.65	0.65	0.7	0.6	0.005	0.071	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/24/91-09/24/91	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/24/91-09/24/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/24/91-09/24/91	1	217.	217.	217.	217.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/90-09/24/91	2	59.5	59.5	62.	57.	12.5	3.536	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/24/91-09/24/91	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/24/91-09/24/91	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/24/91-09/24/91	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/90-09/24/91	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/15/90-09/24/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/24/91-09/24/91	1	1020.	1020.	1020.	1020.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/15/90-09/24/91	2 ##	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/90-08/15/90	1	195.	195.	195.	195.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/15/90-08/15/90	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/15/90-09/24/91	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/78-05/04/78	1	100.	100.	100.	100.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/78-05/04/78	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			100.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/04/78-05/04/78	1	20.	20.	20.	20.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/04/78-05/04/78	1	1.301	1.301	1.301	1.301	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			20.								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/15/90-09/24/91	2	376.	376.	422.	330.	4232.	65.054	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/15/90-09/24/91	2 ##	0.95	0.95	1.4	0.5	0.405	0.636	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/15/90-09/24/91	2	3.25	3.25	3.8	2.7	0.605	0.778	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0075

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	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.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00	2	0	0.00									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	2	0	0.00									
		Drinking Water	15.	2	0	0.00	2	0	0.00									
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.	2	0	0.00	2	0	0.00									
		Drinking Water	5000.	2	0	0.00	2	0	0.00									
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: CUVA0076

NPS Station ID: CUVA0076
LAT/LON: 41.158337/ -81.572781
Agency: 12OHDO
Date Created: / /
Location: CUYAHOGA RIVER AT AKRON STP
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 390140
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 999
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 29.740
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 04110002000133.95
RF3 Mile Point: 34.47
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/72-11/07/72	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/07/72-11/07/72	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/07/72-11/07/72	1	24.	24.	24.	24.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	11/07/72-11/07/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/72-11/07/72	1	260.	260.	260.	260.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	11/07/72-11/07/72	1	450.	450.	450.	450.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/07/72-11/07/72	1	11380.	11380.	11380.	11380.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	11/07/72-11/07/72	1	270.	270.	270.	270.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	11/07/72-11/07/72	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	11/07/72-11/07/72	1	1261.	1261.	1261.	1261.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/07/72-11/07/72	1	47.	47.	47.	47.	0.	0.	**	**	**	**
50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	11/07/72-11/07/72	1	155.	155.	155.	155.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/07/72-11/07/72	1	684.	684.	684.	684.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0076

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00				1	0	0.00						
		Drinking Water	0.2	1	0	0.00				1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	1	1.00				1	1	1.00						
		Drinking Water	5.	1	1	1.00				1	1	1.00						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	1	1.00				1	1	1.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00				1	1	1.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	1	1.00				1	1	1.00						
		Drinking Water	15.	1	1	1.00				1	1	1.00						
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						
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	1	1.00				1	1	1.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: CUVA0077

NPS Station ID: CUVA0077 LAT/LON: 41.159170/ -81.638338 Agency: 21OHIO Date Created: 03/29/80
Location: N. FK. YELLOW CRK AT GHENT - UPST YELLOW CRK RD. FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01P21
RMI-Indexes: 0603002 000800 00050 Within Park Boundary: No
RMI-Miles: 0037.16 0004.64 000.10
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 32.610 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002002204.88 RF3 Mile Point: 6.52 Distance from RF3: 0.03 On/Off RF3:
Description:
PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS LOCATION-SUMMIT COUNTY; NORTH FORK YELLOW CREEK ABOVE YELLOW CREEK ROAD AT GHENT RMI=1187.93/37.16/4.64/0.10
COLLECTION-OHIO EPA NORTHEAST DIST OFFICE

Parameter Inventory for Station: CUVA0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/04/78-09/03/91	2	13.75	13.75	19.5	8.	66.125	8.132	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/03/91-09/03/91	1	920.	920.	920.	920.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/90-08/15/90	1	760.	760.	760.	760.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/04/78-09/03/91	2	10.	10.	11.3	8.7	3.38	1.838	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/04/78-05/04/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	09/24/91-09/24/91	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/04/78-09/03/91	2	7.75	7.75	8.1	7.4	0.245	0.495	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/04/78-09/03/91	2	7.622	7.622	8.1	7.4	0.278	0.527	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/04/78-09/03/91	2	0.024	0.024	0.04	0.008	0.001	0.023	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/04/78-05/04/78	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/04/78-05/04/78	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/04/78-05/04/78	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/04/78-05/04/78	1	390.	390.	390.	390.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/04/78-09/24/91	3 ##	2.5	3.333	5.	2.5	2.083	1.443	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/04/78-09/24/91	4 ##	0.025	0.031	0.05	0.025	0.	0.013	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/04/78-09/24/91	3 ##	0.01	0.008	0.01	0.005	0.	0.003	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/04/78-09/24/91	3	0.3	0.3	0.4	0.2	0.01	0.1	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/04/78-09/24/91	3	0.52	0.632	1.35	0.025	0.448	0.67	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/04/78-09/24/91	3	0.16	0.122	0.18	0.025	0.007	0.084	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/24/91-09/24/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/04/78-09/24/91	2	298.	298.	332.	264.	2312.	48.083	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/90-09/24/91	2	85.	85.	95.	75.	200.	14.142	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/24/91-09/24/91	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/24/91-09/24/91	1	136.	136.	136.	136.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/24/91-09/24/91	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/90-09/24/91	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/15/90-09/24/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/24/91-09/24/91	1	630.	630.	630.	630.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/15/90-09/24/91	2 ##	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/90-08/15/90	1	55.	55.	55.	55.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/15/90-08/15/90	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: CUVA0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092	ZINC, TOTAL (UG/L AS ZN)	08/15/90-09/24/91	2 ##	812.5	812.5	1620.	5.	1304112.5	1141.977	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/78-05/04/78	1	170.	170.	170.	170.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/78-05/04/78	1	2.23	2.23	2.23	2.23	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			170.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/04/78-05/04/78	1	460.	460.	460.	460.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/04/78-05/04/78	1	2.663	2.663	2.663	2.663	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			460.								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	05/04/78-05/04/78	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/15/90-09/24/91	2	501.	501.	544.	458.	3698.	60.811	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/15/90-09/24/91	2 ##	0.85	0.85	1.2	0.5	0.245	0.495	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/15/90-09/24/91	2	3.	3.	3.1	2.9	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: CUVA0077

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	2	0	0.00	1	0	0.00				1	0	0.00			
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	2	0	0.00				1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	2	0	0.00				1	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	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.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00	2	0	0.00									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	2	0	0.00									
		Drinking Water	15.	2	0	0.00	2	0	0.00									
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.	2	1	0.50	2	1	0.50									
		Drinking Water	5000.	2	0	0.00	2	0	0.00									
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: CUVA0078

NPS Station ID: CUVA0078
LAT/LON: 41.159726/ -81.566393
Agency: 12OHDO
Date Created: / /
Location: AKRON STP INFLUENT
FIPS State/County: 39000 OHIO/
Station Type: /TYPA/MUN/NTRTMT/INTAKE/ESTURY
STORET Station ID(s): 390113
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04110002
Depth of Water: 999
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 29.740
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 04110001021300.00
RF3 Mile Point: 0.21
Distance from RF3: 0.10
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/22/72-06/22/72	1	2.45	2.45	2.45	2.45	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/22/72-06/22/72	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	06/22/72-06/22/72	1	1.65	1.65	1.65	1.65	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/22/72-06/22/72	1	0.37	0.37	0.37	0.37	0.	0.	**	**	**	**
00674	PHOSPHORUS, SUSPENDED ORTHOPHOSPHATE (MG/L AS P)	06/22/72-06/22/72	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	06/22/72-06/22/72	1	50.	50.	50.	50.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/22/72-06/22/72	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**

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

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

Station Inventory for Station: CUVA0079

NPS Station ID: CUVA0079
LAT/LON: 41.159726/ -81.566393
Agency: 12OHDO
Date Created: / /
Location: AKRON STP EFFLUENT
FIPS State/County: 39000 OHIO/
Station Type: /TYPA/MUN/TREATD/OUTFL/STREAM
STORET Station ID(s): 390114
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04110002
Depth of Water: 999
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 29.740
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 04110002012200.00
RF3 Mile Point: 0.00
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/22/72-06/22/72	1	3.15	3.15	3.15	3.15	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/22/72-06/22/72	1	2.45	2.45	2.45	2.45	0.	0.	**	**	**	**
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	06/22/72-06/22/72	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/22/72-06/22/72	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00674	PHOSPHORUS, SUSPENDED ORTHOPHOSPHATE (MG/L AS P)	06/22/72-06/22/72	1	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	06/22/72-06/22/72	1	50.	50.	50.	50.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/22/72-06/22/72	1	2.6	2.6	2.6	2.6	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

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

Station Inventory for Station: CUVA0080

NPS Station ID: CUVA0080
LAT/LON: 41.160003/ -81.600004
Agency: 21OHIO
Date Created: 12/27/88
Location: YELLOW CREEK W OF BOTZUM - YELLOW CREEK RD.
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM/BIO
STORET Station ID(s): F01A45
RMI-Indexes: 0603002 000800
Within Park Boundary: No
RMI-Miles: 0037.16 0001.85
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001028500.00
RF3 Mile Point: 3.72
Distance from RF3: 0.02
On/Off RF3:
Description:
PURPOSE - SHORT-TERM SURVEY. LOCATION - SUMMIT CO.; LOCATED 1.2 MILES WEST OF BOTZUM, AT THE
YELLOW CREEK RD. BRIDGE. COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST
DISTRICT OFFICE, (216) 425-9171.

Parameter Inventory for Station: CUVA0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/01/88-09/01/88	1	15.5	15.5	15.5	15.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/01/88-09/01/88	1	462.	462.	462.	462.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/01/88-08/16/90	2	739.	739.	817.	661.	12168.	110.309	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/01/88-09/01/88	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	09/24/91-09/24/91	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/01/88-09/01/88	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/01/88-09/01/88	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/01/88-09/01/88	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/16/90-09/24/91	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/01/88-09/24/91	3 ##	0.025	0.04	0.07	0.025	0.001	0.026	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/01/88-09/24/91	3 ##	0.01	0.013	0.02	0.01	0.	0.006	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/01/88-09/24/91	3	0.3	0.3	0.5	0.1	0.04	0.2	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/01/88-09/24/91	3	0.41	0.41	0.48	0.34	0.005	0.07	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/01/88-09/24/91	2 ##	0.043	0.043	0.06	0.025	0.001	0.025	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/24/91-09/24/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/24/91-09/24/91	1	271.	271.	271.	271.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/16/90-09/24/91	2	75.75	75.75	79.	72.5	21.125	4.596	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/24/91-09/24/91	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/01/88-09/24/91	2	102.	102.	103.	101.	2.	1.414	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/24/91-09/24/91	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/16/90-09/24/91	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/16/90-09/24/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/24/91-09/24/91	1	220.	220.	220.	220.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/16/90-09/24/91	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/90-08/16/90	1	22.5	22.5	22.5	22.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/16/90-08/16/90	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/16/90-09/24/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/16/90-09/24/91	2	442.	442.	484.	400.	3528.	59.397	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/16/90-09/24/91	2 ##	0.8	0.8	1.1	0.5	0.18	0.424	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/16/90-09/24/91	2 ##	1.85	1.85	2.7	1.	1.445	1.202	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0080

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	3	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	3	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	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.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00	2	0	0.00									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	2	0	0.00									
		Drinking Water	15.	2	0	0.00	2	0	0.00									
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.	2	0	0.00	2	0	0.00									
		Drinking Water	5000.	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: CUVA0081

NPS Station ID: CUVA0081 LAT/LON: 41.161670/ -81.638059 Agency: 21OHIO Date Created: 03/29/80
Location: N. FK. YELLOW CREEK NR GHENT - DST UNNAMED TRIB FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01P22
RMI-Indexes: 0603002 000800 00050 Within Park Boundary: No
RMI-Miles: 0037.16 0004.64 000.30
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 32.610 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002040800.00 RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS LOCATION-SUMMIT COUNTY; NORTH FORK YELLOW CREEK BELOW CONFLUENCE WITH UNNAMED TRIB NORTH OF GHENT RMI=1187.93/37.16/4.64/0.30
COLLECTION-OHIO EPA NORTHEAST DIST OFFICE

Parameter Inventory for Station: CUVA0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/04/78-09/03/91	2	14.25	14.25	20.5	8.	78.125	8.839	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/03/91-09/03/91	1	800.	800.	800.	800.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/90-08/15/90	1	717.	717.	717.	717.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/04/78-09/03/91	2	10.65	10.65	11.5	9.8	1.445	1.202	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/04/78-05/04/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	09/24/91-09/24/91	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/04/78-09/03/91	2	7.8	7.8	8.2	7.4	0.32	0.566	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/04/78-09/03/91	2	7.637	7.637	8.2	7.4	0.373	0.611	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/04/78-09/03/91	2	0.023	0.023	0.04	0.006	0.001	0.024	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/04/78-05/04/78	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/04/78-05/04/78	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/04/78-05/04/78	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/04/78-05/04/78	1	374.	374.	374.	374.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/04/78-09/24/91	3 ##	2.5	3.333	5.	2.5	2.083	1.443	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/04/78-09/24/91	4 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/04/78-09/24/91	3 ##	0.01	0.012	0.02	0.005	0.	0.008	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/04/78-09/24/91	3	0.2	0.233	0.4	0.1	0.023	0.153	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/04/78-09/24/91	3 ##	0.05	0.082	0.17	0.025	0.006	0.078	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/04/78-09/24/91	3 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/24/91-09/24/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/04/78-09/24/91	2	303.	303.	344.	262.	3362.	57.983	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/90-09/24/91	2	87.	87.	98.	76.	242.	15.556	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/24/91-09/24/91	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/24/91-09/24/91	1	104.	104.	104.	104.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/24/91-09/24/91	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/90-09/24/91	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/15/90-09/24/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/24/91-09/24/91	1	340.	340.	340.	340.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/15/90-09/24/91	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/90-08/15/90	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/15/90-08/15/90	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: CUVA0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092	ZINC, TOTAL (UG/L AS ZN)	08/15/90-09/24/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/78-05/04/78	1	170.	170.	170.	170.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/04/78-05/04/78	1	2.23	2.23	2.23	2.23	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			170.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/04/78-05/04/78	1	980.	980.	980.	980.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/04/78-05/04/78	1	2.991	2.991	2.991	2.991	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			980.								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	05/04/78-05/04/78	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/15/90-09/24/91	2	482.	482.	542.	422.	7200.	84.853	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/15/90-09/24/91	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/15/90-09/24/91	2 ##	2.05	2.05	3.1	1.	2.205	1.485	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: CUVA0081

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	2	0	0.00	1	0	0.00				1	0	0.00			
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	2	0	0.00				1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	2	0	0.00				1	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	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.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00	2	0	0.00									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	2	0	0.00									
		Drinking Water	15.	2	0	0.00	2	0	0.00									
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.	2	0	0.00	2	0	0.00									
		Drinking Water	5000.	2	0	0.00	2	0	0.00									
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: CUVA0082

NPS Station ID: CUVA0082
Location: CUYAHOGA RIVER AT BATH RD. AKRON
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 04110002
Major Basin: LAKE ERIE
Minor Basin: CUYAHOGA RIVER
RF1 Index: 04110002001
RF3 Index: 04110002057100.00
Description:

LAT/LON: 41.162227/ -81.574170

Depth of Water: 999
Elevation: 0

RF1 Mile Point: 29.570
RF3 Mile Point: 1.28

Agency: 12OHDO
FIPS State/County: 39153 OHIO/SUMMIT
STORET Station ID(s): 390139
Within Park Boundary: No

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.26

Date Created: / /

On/Off RF1: ON
On/Off RF3:

Parameter Inventory for Station: CUVA0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/72-11/07/72	1	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/07/72-11/07/72	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/07/72-11/07/72	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	11/07/72-11/07/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/72-11/07/72	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	11/07/72-11/07/72	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/07/72-11/07/72	1	4680.	4680.	4680.	4680.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	11/07/72-11/07/72	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	11/07/72-11/07/72	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	11/07/72-11/07/72	1	265.	265.	265.	265.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/07/72-11/07/72	1	19.	19.	19.	19.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/07/72-11/07/72	1	392.	392.	392.	392.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0082

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00				1	0	0.00						
		Drinking Water	0.2	1	0	0.00				1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	1	1.00				1	1	1.00						
		Drinking Water	5.	1	1	1.00				1	1	1.00						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00				1	1	1.00						
		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	1	1.00				1	1	1.00						
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						
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	1	1.00				1	1	1.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: CUVA0083

NPS Station ID: CUVA0083
LAT/LON: 41.162227/ -81.574449
Agency: 21OHIO
Date Created: 10/13/84
Location: CUYAHOGA R. AT BOTZUM - BATH RD.
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): F01S15
RMI-Indexes: 0603002
Within Park Boundary: No
RMI-Miles: 0037.22
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 33.900
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 04110002000126.99
RF3 Mile Point: 27.45
Distance from RF3: 0.01
On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER.
LOCATION - SUMMIT CO.; LOCATED AT BOTZUM, IMMEDIATELY DOWNSTREAM FROM THE AKRON WWTP.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/84-09/24/91	15	21.5	20.667	24.5	8.5	16.452	4.056	13.3	20.	23.5	24.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/84-09/24/91	15	763.	699.2	1000.	109.	45211.743	212.631	357.4	610.	830.	961.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/84-11/30/88	12	820.	789.	937.	586.	14546.364	120.608	594.4	666.5	889.75	929.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/84-09/24/91	15	7.3	7.453	11.2	6.2	1.368	1.17	6.26	6.9	7.7	9.28
00310	BOD, 5 DAY, 20 DEG C MG/L	07/30/84-11/30/88	12	3.85	3.842	6.2	1.6	2.486	1.577	1.72	2.4	5.45	6.08
00335	COD, .025N K2CR2O7 MG/L	07/30/84-09/24/91	15	22.	20.6	29.	10.	30.829	5.552	10.	18.	24.	26.6
00400	PH (STANDARD UNITS)	07/30/84-09/24/91	15	7.6	7.57	7.7	7.2	0.021	0.146	7.26	7.5	7.7	7.7
00400	CONVERTED PH (STANDARD UNITS)	07/30/84-09/24/91	15	7.6	7.543	7.7	7.2	0.022	0.149	7.26	7.5	7.7	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/84-09/24/91	15	0.025	0.029	0.063	0.02	0.	0.012	0.02	0.02	0.032	0.055
00403	PH, LAB, STANDARD UNITS SU	08/21/84-08/28/84	3	7.6	7.567	7.6	7.5	0.003	0.058	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/21/84-08/28/84	3	7.6	7.564	7.6	7.5	0.003	0.058	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/21/84-08/28/84	3	0.025	0.027	0.032	0.025	0.	0.004	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/21/84-08/28/84	3	145.	138.333	145.	125.	133.333	11.547	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/84-09/24/91	16	8.5	10.563	36.	2.5	82.996	9.11	2.5	3.125	13.5	29.
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	08/21/84-08/28/84	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/30/84-09/24/91	15	0.47	0.602	2.48	0.1	0.384	0.62	0.1	0.17	0.68	1.82
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/30/84-09/24/91	15	0.06	0.079	0.15	0.03	0.002	0.04	0.036	0.04	0.12	0.144
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/84-08/28/91	14	1.4	1.571	3.3	0.9	0.459	0.678	0.9	1.25	1.65	3.05
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/30/84-09/24/91	15	3.57	3.582	6.67	1.32	2.129	1.459	1.806	2.34	4.52	5.848
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/84-08/28/91	14	0.62	3.075	36.	0.14	89.889	9.481	0.155	0.22	0.91	18.47
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/30/84-09/24/91	8	0.007	0.007	0.013	0.003	0.	0.004	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/84-09/24/91	11	243.	236.364	257.	189.	470.055	21.681	191.6	233.	250.	256.8
00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/84-09/24/91	12	68.85	68.158	75.	55.7	30.832	5.553	56.78	67.25	72.25	74.4
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/30/84-09/24/91	11	16.6	16.091	18.2	12.2	3.501	1.871	12.36	16.	17.5	18.08
00929	SODIUM, TOTAL (MG/L AS NA)	11/30/88-11/30/88	1	72.	72.	72.	72.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/84-09/24/91	5	125.	125.6	133.	119.	34.8	5.899	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/30/84-09/24/91	11	3.	2.545	4.	1.	0.673	0.82	1.2	2.	3.	3.8
01027	CADMIUM, TOTAL (UG/L AS CD)	07/30/84-09/24/91	12	0.35	0.542	3.	0.1	0.654	0.808	0.1	0.1	0.575	2.34
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/30/84-09/24/91	11 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042	COPPER, TOTAL (UG/L AS CU)	07/30/84-09/24/91	12 ##	5.	5.833	15.	5.	8.333	2.887	5.	5.	5.	12.
01045	IRON, TOTAL (UG/L AS FE)	07/30/84-08/28/91	9	520.	638.889	1850.	230.	225761.111	475.143	230.	405.	640.	1850.

** - Less than 9 observations ## - 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: CUVA0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051	LEAD, TOTAL (UG/L AS PB)	07/30/84-09/24/91	12	2.5	2.917	8.	1.	4.447	2.109	1.	1.	4.	7.1
01055	MANGANESE, TOTAL (UG/L AS MN)	06/24/87-09/10/87	3	125.	116.667	135.	90.	558.333	23.629	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/30/84-09/24/91	11 ##	20.	20.	20.	20.	0.	0.	20.	20.	20.	20.
01092	ZINC, TOTAL (UG/L AS ZN)	07/30/84-09/24/91	12	40.	41.25	60.	25.	136.932	11.702	25.	31.25	48.75	60.
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/24/87-09/10/87	3	250.	460.	890.	240.	138700.	372.424	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/14/84-09/24/84	4	455.	450.	600.	290.	17400.	131.909	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/14/84-09/24/84	4	2.656	2.638	2.778	2.462	0.018	0.135	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			434.586								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/30/84-09/24/91	13 ##	5.	6.308	12.	5.	6.397	2.529	5.	5.	7.5	11.2
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/24/87-09/24/91	4	0.063	0.064	0.13	0.	0.005	0.071	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/30/84-09/24/91	15	524.	525.2	638.	390.	4395.314	66.297	406.8	490.	590.	611.6
71900	MERCURY, TOTAL (UG/L AS HG)	07/30/84-09/17/84	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/21/84-09/24/91	7	1.2	1.529	3.3	0.5	1.082	1.04	**	**	**	**

** - 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: CUVA0083

				Total	Exceed	Prop.	----------7/01-10/31----------			----------11/01-3/14----------			----------3/15-6/30----------			----------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	Fresh Acute	4.	15	0	0.00	13	0	0.00	1	0	0.00	1	0	0.00			
00400	PH	Other-Hi Lim.	9.	15	0	0.00	13	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	15	0	0.00	13	0	0.00	1	0	0.00	1	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00	3	0	0.00									
		Other-Lo Lim.	6.5	3	0	0.00	3	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	15	0	0.00	13	0	0.00	1	0	0.00	1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	15	0	0.00	13	0	0.00	1	0	0.00	1	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	8	0	0.00	8	0	0.00									
		Drinking Water	0.2	8	0	0.00	8	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	5	0	0.00									
		Drinking Water	250.	5	0	0.00	5	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	11	0	0.00	10	0	0.00				1	0	0.00			
		Drinking Water	50.	11	0	0.00	10	0	0.00				1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	12	0	0.00	10	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	5.	12	0	0.00	10	0	0.00	1	0	0.00	1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	11	0	0.00	10	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	12	0	0.00	10	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	1300.	12	0	0.00	10	0	0.00	1	0	0.00	1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	12	0	0.00	10	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	15.	12	0	0.00	10	0	0.00	1	0	0.00	1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	11	0	0.00	10	0	0.00				1	0	0.00			
		Drinking Water	100.	11	0	0.00	10	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	12	0	0.00	10	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	5000.	12	0	0.00	10	0	0.00	1	0	0.00	1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	4	1.00	4	4	1.00									
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	4	2	0.50	3	2	0.67				1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	4	0	0.00	4	0	0.00									
		Drinking Water	2.	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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/84-09/24/91	13	21.5	21.385	24.5	16.5	5.631	2.373	17.1	20.	23.25	24.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/84-09/24/91	13	770.	712.	1000.	109.	51373.167	226.656	274.6	612.5	835.	974.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/84-09/24/91	13	7.3	7.246	8.	6.2	0.288	0.536	6.24	6.95	7.6	7.92
00335	COD, .025N K2CR2O7 MG/L	07/30/84-09/24/91	13	22.	20.	29.	10.	33.	5.745	10.	16.	24.	27.4
00400	PH (STANDARD UNITS)	07/30/84-09/24/91	13	7.6	7.565	7.7	7.2	0.025	0.157	7.24	7.5	7.7	7.7
00400	CONVERTED PH (STANDARD UNITS)	07/30/84-09/24/91	13	7.6	7.535	7.7	7.2	0.026	0.16	7.24	7.5	7.7	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/84-09/24/91	13	0.025	0.029	0.063	0.02	0.	0.013	0.02	0.02	0.032	0.058
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/84-09/24/91	13	9.	9.5	26.	2.5	42.125	6.49	2.5	3.75	13.	21.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/30/84-09/24/91	13	0.47	0.496	1.38	0.1	0.121	0.348	0.104	0.17	0.645	1.14
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/30/84-09/24/91	13	0.06	0.072	0.15	0.03	0.001	0.039	0.034	0.04	0.105	0.142
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/84-08/28/91	12	1.4	1.483	2.8	0.9	0.222	0.471	0.96	1.3	1.55	2.5
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/30/84-09/24/91	13	3.9	3.863	6.67	2.13	1.811	1.346	2.214	2.6	4.745	6.122
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/84-08/28/91	12	0.62	0.548	0.94	0.14	0.101	0.317	0.149	0.2	0.893	0.931
00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/84-09/24/91	10	69.6	69.06	75.	55.7	28.058	5.297	56.83	67.975	72.7	74.8
01027	CADMIUM, TOTAL (UG/L AS CD)	07/30/84-09/24/91	10	0.4	0.61	3.	0.1	0.765	0.875	0.1	0.1	0.65	2.78
01042	COPPER, TOTAL (UG/L AS CU)	07/30/84-09/24/91	10 ##	5.	6.	15.	5.	10.	3.162	5.	5.	5.	14.
01051	LEAD, TOTAL (UG/L AS PB)	07/30/84-09/24/91	10	2.5	2.6	5.	1.	2.044	1.43	1.	1.	4.	4.9
01092	ZINC, TOTAL (UG/L AS ZN)	07/30/84-09/24/91	10	42.5	43.	60.	25.	134.444	11.595	25.5	33.75	52.5	60.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/30/84-09/24/91	13	536.	536.615	638.	418.	3448.923	58.728	438.8	500.	591.	620.4

** - 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 #2: 11/01 to 3/14 - Station CUVA0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/84-09/24/91	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/84-09/24/91	1	600.	600.	600.	600.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/84-09/24/91	1	11.2	11.2	11.2	11.2	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/30/84-09/24/91	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/30/84-09/24/91	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/30/84-09/24/91	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/84-09/24/91	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/84-09/24/91	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/30/84-09/24/91	1	2.48	2.48	2.48	2.48	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/30/84-09/24/91	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/84-08/28/91	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/30/84-09/24/91	1	1.32	1.32	1.32	1.32	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/84-08/28/91	1	0.48	0.48	0.48	0.48	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/84-09/24/91	1	68.	68.	68.	68.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/30/84-09/24/91	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/30/84-09/24/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/30/84-09/24/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/30/84-09/24/91	1	25.	25.	25.	25.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/30/84-09/24/91	1	512.	512.	512.	512.	0.	0.	**	**	**	**

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/84-09/24/91	1	23.5	23.5	23.5	23.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/84-09/24/91	1	632.	632.	632.	632.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/84-09/24/91	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/30/84-09/24/91	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/30/84-09/24/91	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	CONVERTED PH (STANDARD UNITS)	07/30/84-09/24/91	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/84-09/24/91	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/84-09/24/91	2	21.5	21.5	36.	7.	420.5	20.506	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/30/84-09/24/91	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/30/84-09/24/91	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/84-08/28/91	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/30/84-09/24/91	1	2.19	2.19	2.19	2.19	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/84-08/28/91	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/84-09/24/91	1	59.3	59.3	59.3	59.3	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/30/84-09/24/91	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/30/84-09/24/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/30/84-09/24/91	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/30/84-09/24/91	1	40.	40.	40.	40.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/30/84-09/24/91	1	390.	390.	390.	390.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed 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: CUVA0084

NPS Station ID: CUVA0084 LAT/LON: 41.163337/ -81.576115 Agency: 21OHIO Date Created: 03/29/80
Location: YELLOW CREEK NR BOTZUM - RIVERVIEW RD. FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01P15
RMI-Indexes: 0603002 000800 Within Park Boundary: Yes
RMI-Miles: 0037.16 0000.14
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 29.440 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002000130.48 RF3 Mile Point: 30.47 Distance from RF3: 0.05 On/Off RF3:
Description:
PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS LOCATION-SUMMIT COUNTY; YELLOW CREEK AT RIVERVIEW ROAD NEAR BOTZUM
RMI=1187.93/37.16/0.14 COLLECTION-OHIO EPA NORTHEAST DIST OFFICE
WATER USE DESIGNATION AS OF 01/23/80-WWH

Parameter Inventory for Station: CUVA0084

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/12/73-12/12/73	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/12/73-12/12/73	1	310.	310.	310.	310.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/12/73-12/12/73	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	12/12/73-12/12/73	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	12/12/73-12/12/73	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	12/12/73-12/12/73	1	398.	398.	398.	398.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/12/73-12/12/73	1	382.	382.	382.	382.	0.	0.	**	**	**	**
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	12/12/73-12/12/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/12/73-12/12/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/12/73-12/12/73	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/12/73-12/12/73	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/12/73-12/12/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/12/73-12/12/73	1	130.	130.	130.	130.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/12/73-12/12/73	1	2.114	2.114	2.114	2.114	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			130.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	12/12/73-12/12/73	1	460.	460.	460.	460.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	12/12/73-12/12/73	1	2.663	2.663	2.663	2.663	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			460.								

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

EPA Water Quality Criteria Analysis for Station: CUVA0084

Parameter				Total	Exceed	Prop.	----------7/01-10/31----------			----------11/01-3/14----------			----------3/15-6/30----------			----------n/a----------		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	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						
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: CUVA0085

NPS Station ID: CUVA0085
LAT/LON: 41.163448/ -81.576281
Agency: 11NPSWRD
Date Created: 03/11/95
Location: YELLOW CREEK
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_YECR
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED ON YELLOW CREEK - A TRIBUTARY OF THE CUYAHOGA RIVER. STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/86-09/20/94	44	12.75	12.773	21.	0.	35.889	5.991	4.5	8.	18.	20.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/26/86-09/20/94	44	600.	646.591	1050.	370.	23116.015	152.04	430.	557.5	767.5	855.
00300	OXYGEN, DISSOLVED MG/L	03/26/86-09/20/94	42	10.45	10.717	16.	5.3	6.478	2.545	7.4	8.8	12.575	14.07
00310	BOD, 5 DAY, 20 DEG C MG/L	03/26/86-07/14/93	11 ##	1.	2.364	8.	1.	5.655	2.378	1.	1.	2.	7.6
00400	PH (STANDARD UNITS)	03/26/86-09/20/94	44	8.17	8.111	8.47	7.4	0.052	0.228	7.76	7.985	8.25	8.375
00400	CONVERTED PH (STANDARD UNITS)	03/26/86-09/20/94	44	8.17	8.042	8.47	7.4	0.057	0.238	7.76	7.985	8.25	8.375
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/86-09/20/94	44	0.007	0.009	0.04	0.003	0.	0.007	0.004	0.006	0.01	0.017
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/86-09/20/94	44	163.5	155.705	196.	81.	795.748	28.209	110.5	141.	175.25	191.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/20/94-07/20/94	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/26/86-07/14/93	14	0.31	0.391	1.6	0.	0.149	0.386	0.	0.223	0.438	1.11
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/86-07/20/94	15	0.04	0.055	0.23	0.01	0.003	0.057	0.01	0.02	0.07	0.158
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/10/86-09/09/93	10	286.	281.9	320.	223.	849.656	29.149	226.1	260.	306.25	319.
00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/86-09/20/94	43	90.	95.186	172.	50.	737.536	27.158	64.4	80.	105.	129.2
01027	CADMIUM, TOTAL (UG/L AS CD)	04/23/86-09/09/93	9 ##	0.05	0.861	2.5	0.05	1.074	1.036	0.05	0.05	2.	2.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/86-09/09/93	9	2.	4.	17.	1.	26.25	5.123	1.	1.	5.	17.
01042	COPPER, TOTAL (UG/L AS CU)	04/23/86-09/09/93	9	5.	10.389	39.	0.5	151.236	12.298	0.5	2.	15.	39.
01045	IRON, TOTAL (UG/L AS FE)	04/23/86-09/09/93	9	250.	405.	1120.	10.	119931.25	346.311	10.	206.5	609.5	1120.
01051	LEAD, TOTAL (UG/L AS PB)	04/23/86-09/09/93	9 ##	1.5	1.833	7.	0.5	4.25	2.062	0.5	0.5	2.	7.
01067	NICKEL, TOTAL (UG/L AS NI)	04/23/86-09/09/93	9 ##	1.5	4.278	20.	1.5	36.194	6.016	1.5	1.5	4.	20.
01092	ZINC, TOTAL (UG/L AS ZN)	04/23/86-09/09/93	9	9.	22.778	58.	4.	495.194	22.253	4.	4.	46.	58.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/26/86-09/20/94	43	287.	762.14	5500.	0.	1506532.266	1227.409	34.	180.	1000.	2000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/26/86-09/20/94	43	2.458	2.464	3.74	0.	0.482	0.694	1.527	2.255	3.	3.298
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			290.996								
31648	E. COLI - MTEC-MF N0/100ML	07/11/91-09/20/94	11	240.	216.818	338.	54.	10645.364	103.176	64.8	114.	320.	335.2
31648	LOG E. COLI - MTEC-MF N0/1	07/11/91-09/20/94	11	2.38	2.276	2.529	1.732	0.068	0.26	1.793	2.057	2.505	2.525
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			188.816								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/26/86-09/20/94	44	3.7	14.768	154.	1.7	910.854	30.18	1.9	2.8	11.325	49.9
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	03/26/86-07/20/94	43	0.	0.017	0.3	0.	0.004	0.061	0.	0.	0.	0.03

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

EPA Water Quality Criteria Analysis for Station: CUVA0085

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	42	0	0.00	24	0	0.00	4	0	0.00	14	0	0.00			
00400	PH	Other-Hi Lim.	9.	44	0	0.00	25	0	0.00	4	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	44	0	0.00	25	0	0.00	4	0	0.00	15	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	43	0	0.00	25	0	0.00	4	0	0.00	14	0	0.00			
		Drinking Water	250.	43	0	0.00	25	0	0.00	4	0	0.00	14	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	5.	9	0	0.00	8	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	8	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	9	2	0.22	8	2	0.25				1	0	0.00			
		Drinking Water	1300.	9	0	0.00	8	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	15.	9	0	0.00	8	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	100.	9	0	0.00	8	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	5000.	9	0	0.00	8	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	43	29	0.67	25	17	0.68	3	3	1.00	15	9	0.60			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	11	8	0.73	8	6	0.75				3	2	0.67			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	44	4	0.09	25	2	0.08	4	0	0.00	15	2	0.13			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/86-09/20/94	25	18.	16.1	21.	0.	23.833	4.882	9.3	14.	20.	20.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/26/86-09/20/94	25	700.	698.	1050.	420.	21033.333	145.029	542.	590.	795.	898.
00300	OXYGEN, DISSOLVED MG/L	03/26/86-09/20/94	24	9.3	9.779	15.4	5.3	5.717	2.391	6.8	8.25	11.025	13.95
00400	PH (STANDARD UNITS)	03/26/86-09/20/94	25	8.14	8.119	8.4	7.7	0.028	0.169	7.924	8.	8.245	8.362
00400	CONVERTED PH (STANDARD UNITS)	03/26/86-09/20/94	25	8.14	8.086	8.4	7.7	0.03	0.172	7.924	8.	8.245	8.362
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/86-09/20/94	25	0.007	0.008	0.02	0.004	0.	0.003	0.004	0.006	0.01	0.012
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/86-09/20/94	25	171.	167.56	196.	97.	547.59	23.401	124.6	163.	182.	193.4
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/26/86-07/14/93	11	0.28	0.287	0.62	0.	0.034	0.186	0.	0.17	0.41	0.588
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/86-07/20/94	12	0.035	0.043	0.11	0.01	0.001	0.032	0.01	0.013	0.068	0.101
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/10/86-09/09/93	9	288.	288.444	320.	254.	474.028	21.772	254.	270.	307.5	320.
00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/86-09/20/94	25	92.	98.8	170.	59.	738.667	27.178	67.4	82.5	120.	138.8
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/26/86-09/20/94	25	340.	958.32	5500.	0.	2273869.56	1507.936	25.6	181.	1000.	4340.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/26/86-09/20/94	25	2.531	2.522	3.74	0.	0.616	0.785	1.408	2.258	3.	3.634
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			332.955								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/26/86-09/20/94	25	3.7	14.756	154.	1.7	1063.672	32.614	1.8	2.8	12.4	44.88
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	03/26/86-07/20/94	24	0.	0.012	0.23	0.	0.002	0.048	0.	0.	0.	0.025

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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/86-09/20/94	4	3.25	3.125	6.	0.	6.396	2.529	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/26/86-09/20/94	4	710.	692.5	930.	420.	43825.	209.344	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/26/86-09/20/94	4	13.	13.075	14.	12.3	0.656	0.81	**	**	**	**
00400	PH (STANDARD UNITS)	03/26/86-09/20/94	4	8.23	8.2	8.37	7.97	0.028	0.167	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/26/86-09/20/94	4	8.23	8.175	8.37	7.97	0.029	0.169	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/86-09/20/94	4	0.006	0.007	0.011	0.004	0.	0.003	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/86-09/20/94	4	145.5	139.	170.	95.	1007.333	31.739	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/86-09/20/94	4	93.	102.	172.	50.	2589.333	50.885	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/26/86-09/20/94	3	400.	533.333	1000.	200.	173333.333	416.333	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/26/86-09/20/94	3	2.602	2.634	3.	2.301	0.123	0.351	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			430.887								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/26/86-09/20/94	4	3.5	8.2	24.	1.8	111.76	10.572	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	03/26/86-07/20/94	4	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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/86-09/20/94	15	9.	9.8	17.	5.	12.171	3.489	5.3	7.	12.5	15.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/26/86-09/20/94	15	580.	548.667	700.	370.	9955.238	99.776	388.	460.	620.	694.
00300	OXYGEN, DISSOLVED MG/L	03/26/86-09/20/94	14	12.	11.65	16.	7.4	5.893	2.428	7.95	9.85	13.35	15.2
00400	PH (STANDARD UNITS)	03/26/86-09/20/94	15	8.18	8.073	8.47	7.4	0.101	0.317	7.52	7.8	8.34	8.428
00400	CONVERTED PH (STANDARD UNITS)	03/26/86-09/20/94	15	8.18	7.95	8.47	7.4	0.117	0.342	7.52	7.8	8.34	8.428
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/86-09/20/94	15	0.007	0.011	0.04	0.003	0.	0.01	0.004	0.005	0.016	0.031
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/86-09/20/94	15	142.	140.4	180.	81.	707.829	26.605	85.2	134.	161.	174.
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/26/86-07/14/93	3	0.43	0.77	1.6	0.28	0.522	0.723	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/86-07/20/94	3	0.05	0.1	0.23	0.02	0.013	0.114	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/10/86-09/09/93	1	223.	223.	223.	223.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/86-09/20/94	14	84.5	86.786	120.	55.	306.181	17.498	61.5	75.75	96.75	117.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/26/86-09/20/94	15	236.	480.933	2200.	30.	432102.781	657.345	36.	54.	580.	1900.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/26/86-09/20/94	15	2.373	2.332	3.342	1.477	0.341	0.584	1.552	1.732	2.763	3.275
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			214.929								

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/26/86-09/20/94	15	3.7	16.54	97.8	2.6	934.548	30.57	2.6	3.	8.4	89.52
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	03/26/86-07/20/94	15	0.	0.03	0.3	0.	0.007	0.084	0.	0.	0.	0.21

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

Station Inventory for Station: CUVA0086

NPS Station ID: CUVA0086
LAT/LON: 41.169726/ -81.580837
Agency: 112WRD
Date Created: 11/06/82
Location: CUYAHOGA R AT BOTZUM OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 411011081345100
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.70
On/Off RF1:
RF3 Index: 04110002000134.04
RF3 Mile Point: 34.41
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/03/93	25	22.5	22.612	23.5	21.	0.231	0.481	22.24	22.5	23.	23.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/04/91-09/03/93	21	1120.	983.476	1540.	330.	122896.362	350.566	452.	632.5	1270.	1370.
00065	STAGE, STREAM (FEET)	09/04/91-09/03/93	21	8.55	8.243	9.51	6.44	0.713	0.845	6.918	7.47	8.935	9.148
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/03/93	22	663.5	650.045	970.	330.	35798.236	189.204	343.	540.75	758.	957.
00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	5	6.9	6.52	7.6	4.9	1.067	1.033	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	5	79.	74.	87.	54.	161.5	12.708	**	**	**	**
00320	BOD, ULTIMATE 1ST STAGE, 20 DEG C MG/L	09/14/82-09/15/82	3	15.	30.667	66.	11.	940.333	30.665	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/82-09/15/82	5	7.6	7.5	7.7	7.1	0.055	0.235	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/14/82-09/15/82	5	7.6	7.441	7.7	7.1	0.059	0.244	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-09/15/82	5	0.025	0.036	0.079	0.02	0.001	0.024	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/04/91-09/03/93	19	225.	287.474	783.	62.	39844.485	199.611	92.	142.	364.	656.
00940	CHLORIDE,TOTAL IN WATER MG/L	09/04/91-09/03/93	19	84.	81.316	107.	45.	453.006	21.284	48.	62.	100.	102.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/91-09/03/93	21	77000.	240285.714	870000.	19000.63620514285.714		252231.073	28800.	45000.	405000.	608000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/91-09/03/93	21	4.886	5.104	5.94	4.279	0.281	0.53	4.459	4.648	5.602	5.784
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			127189.768								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-07/13/92	8	0.	312.5	2500.	0.	781250.	883.883	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-07/13/92	8	0.	0.425	3.398	0.	1.443	1.201	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			2.659								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	09/04/91-09/03/93	20	75500.	195685.	900000.	8700.614027	52921.053	247795.789	13200.	22000.	380000.	579000.
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	09/04/91-09/03/93	20	4.877	4.898	5.954	3.94	0.411	0.641	4.12	4.342	5.575	5.762
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			78978.053								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	1	12000.	12000.	12000.	12000.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/14/82-09/14/82	1	4.079	4.079	4.079	4.079	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			12000.								
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	3	7.2	9.7	18.	3.9	54.39	7.375	**	**	**	**
82133	DEOXYGENATION CONST,CARB.,K1 TO BASE E,20C,PER DAY	09/14/82-09/15/82	3	0.08	0.093	0.13	0.07	0.001	0.032	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0086

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/31---------- Obs	Exceed	Prop.	----------11/01-3/14---------- Obs	Exceed	Prop.	----------3/15-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									

& - 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: CUVA0086

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	19	0	0.00	19	0	0.00									
		Drinking Water	250.	19	0	0.00	19	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	21	21	1.00	21	21	1.00									
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	8	1	0.13	8	1	0.13									

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/03/93	25	22.5	22.612	23.5	21.	0.231	0.481	22.24	22.5	23.	23.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/03/93	22	663.5	650.045	970.	330.	35798.236	189.204	343.	540.75	758.	957.

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

Station Inventory for Station: CUVA0087

NPS Station ID: CUVA0087
LAT/LON: 41.181142/ -81.584198
Agency: 11NPSWRD
Date Created: 03/11/95
Location: IRA CREEK
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_IRCR
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED ON IRA CREEK - A TRIBUTARY OF THE CUYAHOGA RIVER. STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/89-09/20/94	17	17.	14.618	21.	5.	34.267	5.854	5.8	8.5	19.5	20.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/20/94	42	1000.	979.762	1630.	280.	73402.381	270.929	726.	795.	1110.	1231.
00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/20/94	40	8.55	9.157	17.2	3.2	11.711	3.422	4.82	7.	11.15	14.32
00310	BOD, 5 DAY, 20 DEG C MG/L	05/28/87-07/14/93	7	2.	1.714	3.	1.	0.571	0.756	**	**	**	**
00400	PH (STANDARD UNITS)	01/14/87-09/20/94	42	7.895	7.879	8.77	6.63	0.152	0.39	7.5	7.7	8.09	8.41
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-09/20/94	42	7.895	7.667	8.77	6.63	0.198	0.445	7.5	7.7	8.09	8.41
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-09/20/94	42	0.013	0.022	0.234	0.002	0.001	0.036	0.004	0.008	0.02	0.032
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/20/94	41	170.	167.902	216.	106.	561.99	23.706	140.2	159.	181.5	194.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/20/94-07/20/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/87-07/14/93	10	0.365	0.426	0.91	0.2	0.037	0.192	0.211	0.318	0.488	0.87
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/16/87-07/20/94	11	0.03	0.066	0.4	0.01	0.013	0.113	0.012	0.02	0.06	0.336
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/87-09/09/93	9	320.	340.889	620.	180.	18056.611	134.375	180.	228.	406.5	620.
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/20/94	42	151.	166.857	380.	75.	3340.808	57.8	107.2	121.5	208.25	236.7
01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/87-09/09/93	7 ##	0.05	0.671	2.5	0.05	0.851	0.922	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/87-09/09/93	7	5.	7.714	18.	1.	54.571	7.387	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/29/87-09/09/93	7	6.	10.286	38.	2.	152.905	12.365	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/29/87-09/09/93	7	261.	656.571	2240.	140.	600853.286	775.147	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/29/87-09/09/93	7	1.5	1.643	4.	0.5	1.476	1.215	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/29/87-09/09/93	7 ##	3.	5.643	20.	1.5	45.476	6.744	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/29/87-09/09/93	7	23.	36.143	149.	5.	2558.143	50.578	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/20/94	42	49.	307.5	7600.	0.	1374462.256	1172.375	5.6	19.25	127.5	583.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/20/94	42	1.69	1.725	3.881	0.	0.552	0.743	0.743	1.283	2.1	2.76
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			53.059								
31648	E. COLI - MTEC-MF N0/100ML	09/10/91-09/20/94	10	44.5	742.8	5820.	0.	3242554.178	1800.709	1.	25.75	580.	5308.
31648	LOG E. COLI - MTEC-MF N0/1	09/10/91-09/20/94	10	1.646	1.901	3.765	0.	1.116	1.057	0.1	1.369	2.761	3.673
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			79.558								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/20/94	42	1.75	9.364	193.5	0.3	1008.156	31.751	0.5	0.7	3.45	7.93
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/20/94	42	0.	0.015	0.3	0.	0.003	0.056	0.	0.	0.	0.041

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: CUVA0087

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	40	2	0.05	23	2	0.09	4	0	0.00	13	0	0.00			
00400	PH	Other-Hi Lim.	9.	42	0	0.00	23	0	0.00	4	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	42	0	0.00	23	0	0.00	4	0	0.00	15	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	42	0	0.00	23	0	0.00	4	0	0.00	15	0	0.00			
		Drinking Water	250.	42	3	0.07	23	1	0.04	4	2	0.50	15	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	7	0	0.00	6	0	0.00				1	0	0.00			
		Drinking Water	5.	7	0	0.00	6	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	7	0	0.00	6	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	7	1	0.14	6	1	0.17				1	0	0.00			
		Drinking Water	1300.	7	0	0.00	6	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	7	0	0.00	6	0	0.00				1	0	0.00			
		Drinking Water	15.	7	0	0.00	6	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	7	0	0.00	6	0	0.00				1	0	0.00			
		Drinking Water	100.	7	0	0.00	6	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	7	1	0.14	6	0	0.00				1	1	1.00			
		Drinking Water	5000.	7	0	0.00	6	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	42	8	0.19	23	6	0.26	4	0	0.00	15	2	0.13			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	10	4	0.40	7	4	0.57				3	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	42	2	0.05	23	2	0.09	4	0	0.00	15	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/20/94	23	1010.	991.739	1500.	290.	59196.838	243.304	728.	800.	1200.	1228.
00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/20/94	23	7.9	7.909	17.2	3.2	11.025	3.32	3.78	5.8	9.2	13.4
00400	PH (STANDARD UNITS)	01/14/87-09/20/94	23	7.75	7.666	8.03	6.63	0.086	0.294	7.32	7.5	7.81	7.938
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-09/20/94	23	7.75	7.512	8.03	6.63	0.111	0.333	7.32	7.5	7.81	7.938
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-09/20/94	23	0.018	0.031	0.234	0.009	0.002	0.046	0.012	0.015	0.032	0.051
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/20/94	22	172.5	173.955	216.	140.	236.522	15.379	158.6	164.	185.	193.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/16/87-07/20/94	9	0.03	0.072	0.4	0.01	0.016	0.125	0.01	0.02	0.059	0.4
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/20/94	23	155.	161.609	270.	75.	2196.067	46.862	107.6	120.	190.	223.4
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/20/94	23	76.	517.522	7600.	15.	2455367.352	1566.961	17.6	41.	260.	908.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/20/94	23	1.881	2.04	3.881	1.176	0.439	0.662	1.243	1.613	2.415	2.958
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			109.724								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/20/94	23	1.8	13.943	193.5	0.3	1776.393	42.147	0.5	0.7	5.9	49.3
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/20/94	23	0.	0.003	0.05	0.	0.	0.011	0.	0.	0.	0.012

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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/20/94	4	1400.	1385.	1630.	1110.	72033.333	268.39	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/20/94	4	11.1	11.25	11.8	11.	0.143	0.379	**	**	**	**
00400	PH (STANDARD UNITS)	01/14/87-09/20/94	4	8.025	8.025	8.07	7.98	0.001	0.037	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-09/20/94	4	8.025	8.024	8.07	7.98	0.001	0.037	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-09/20/94	4	0.009	0.009	0.01	0.009	0.	0.001	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/20/94	4	175.5	184.	216.	169.	466.	21.587	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/20/94	4	248.	276.	380.	228.	4992.	70.654	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/20/94	4	33.5	33.5	50.	17.	303.	17.407	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/20/94	4	1.487	1.476	1.699	1.23	0.06	0.244	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			29.898								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/20/94	4	0.75	0.975	2.	0.4	0.536	0.732	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/20/94	4	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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/20/94	15	800.	853.333	1090.	280.	42223.81	205.484	532.	780.	1020.	1072.
00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/20/94	13	10.8	10.723	17.	5.8	10.709	3.272	6.28	7.75	13.1	15.96
00400	PH (STANDARD UNITS)	01/14/87-09/20/94	15	8.14	8.168	8.77	7.2	0.139	0.373	7.56	8.03	8.5	8.668
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-09/20/94	15	8.14	7.977	8.77	7.2	0.178	0.422	7.56	8.03	8.5	8.668
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-09/20/94	15	0.007	0.011	0.063	0.002	0.	0.015	0.002	0.003	0.009	0.035
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/20/94	15	154.	154.733	210.	106.	833.638	28.873	111.4	141.	180.	198.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/16/87-07/20/94	2	0.04	0.04	0.06	0.02	0.001	0.028	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/20/94	15	141.	145.8	237.	104.	1339.314	36.597	105.2	120.	152.	222.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/20/94	15	28.	58.533	266.	0.	6384.41	79.903	1.2	5.	100.	227.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/20/94	15	1.447	1.307	2.425	0.	0.545	0.738	0.181	0.699	2.	2.353
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			20.294								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/20/94	15	2.	4.58	36.6	0.5	81.783	9.043	0.56	0.8	3.3	19.02
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/20/94	15	0.	0.037	0.3	0.	0.008	0.091	0.	0.	0.	0.246

** - Less than 9 observations ## - Computed 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: CUVA0088

NPS Station ID: CUVA0088
LAT/LON: 41.181392/ -81.583338
Agency: 112WRD
Date Created: / /
Location: CUYAHOGA R AT IRA OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 04206250
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 27.630
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 04110002000200.00
RF3 Mile Point: 1.37
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/73-09/15/82	16	21.5	17.875	25.5	5.	55.717	7.464	5.7	9.	22.875	25.15
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/10/74-06/29/77	7	21.5	17.571	28.5	-3.	119.452	10.929	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/17/73-09/15/82	12	471.5	1105.75	3640.	161.	1200902.023	1095.857	195.5	311.75	1600.	3331.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/73-09/15/82	15	800.	792.067	1450.	340.	80415.638	283.577	379.6	550.	980.	1180.
00300	OXYGEN, DISSOLVED MG/L	09/10/74-09/15/82	12	6.5	7.142	11.4	4.3	5.192	2.279	4.54	5.725	9.4	11.13
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/10/74-09/15/82	12	74.5	73.417	91.	48.	166.992	12.923	50.4	66.	83.75	90.7
00310	BOD, 5 DAY, 20 DEG C MG/L	07/28/75-06/29/77	5	5.4	5.22	6.7	2.2	3.192	1.787	**	**	**	**
00320	BOD, ULTIMATE 1ST STAGE, 20 DEG C MG/L	09/14/82-09/15/82	5	13.	13.34	18.	9.7	10.828	3.291	**	**	**	**
00400	PH (STANDARD UNITS)	08/16/73-09/15/82	16	7.6	7.506	8.1	6.9	0.119	0.345	6.97	7.25	7.775	7.96
00400	CONVERTED PH (STANDARD UNITS)	08/16/73-09/15/82	16	7.6	7.374	8.1	6.9	0.138	0.371	6.97	7.25	7.775	7.96
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/73-09/15/82	16	0.025	0.042	0.126	0.008	0.001	0.036	0.011	0.017	0.057	0.108
00405	CARBON DIOXIDE (MG/L AS CO2)	08/16/73-06/29/77	10	5.9	9.59	35.	1.8	98.123	9.906	1.81	3.325	12.75	33.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/73-06/29/77	10	103.5	110.9	162.	71.	1370.322	37.018	71.6	77.	146.75	161.6
00440	BICARBONATE ION (MG/L AS HCO3)	08/16/73-06/29/77	10	126.	135.1	197.	87.	2017.211	44.913	87.7	94.	178.5	196.5
00445	CARBONATE ION (MG/L AS CO3)	08/16/73-06/29/77	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500	RESIDUE, TOTAL (MG/L)	08/16/73-08/16/73	1	602.	602.	602.	602.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/10/74-06/29/77	7	0.84	1.206	3.3	0.31	1.082	1.04	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/16/73-06/29/77	11	0.05	0.147	0.57	0.005	0.041	0.203	0.005	0.005	0.32	0.546
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/16/73-06/29/77	11	1.7	2.021	4.6	0.63	1.713	1.309	0.724	1.2	1.9	4.58
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/16/73-06/29/77	11	1.7	2.153	4.6	0.68	1.649	1.284	0.784	1.2	2.5	4.58
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/16/73-06/29/77	8	0.31	0.363	0.77	0.17	0.04	0.199	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/75-06/29/77	5	7.2	7.24	11.	3.1	8.503	2.916	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/09/74-06/29/77	9	170.	181.111	270.	110.	2711.111	52.068	110.	140.	220.	270.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/09/74-06/29/77	9	75.	74.444	120.	32.	736.528	27.139	32.	53.	94.5	120.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/09/74-06/29/77	9	49.	53.333	82.	32.	248.5	15.764	32.	41.	64.	82.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/09/74-06/29/77	9	11.	11.656	17.	7.1	10.73	3.276	7.1	9.1	14.5	17.
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/10/74-06/29/77	7	57.	79.	188.	23.	3254.667	57.05	**	**	**	**
00931	SODIUM ADSORPTION RATIO	09/10/74-06/29/77	7	1.7	2.371	4.9	1.	1.912	1.383	**	**	**	**
00932	SODIUM, PERCENT	09/10/74-06/29/77	7	41.	42.857	59.	31.	106.143	10.303	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/10/74-06/29/77	7	4.6	4.557	6.6	2.7	2.323	1.524	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/16/73-06/29/77	11	80.	102.364	280.	38.	5335.055	73.041	38.	46.	120.	262.
00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/73-06/29/77	11	77.	77.636	110.	47.	494.255	22.232	48.4	57.	100.	108.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/10/74-06/29/77	7	0.3	0.3	0.4	0.1	0.013	0.115	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/16/73-08/16/73	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/10/74-06/29/77	7	7.	7.443	10.	3.9	5.363	2.316	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/28/75-06/29/77	5	5.	5.6	10.	3.	6.8	2.608	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/17/82-08/17/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/17/82-08/17/82	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: CUVA0088

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)	08/17/82-08/17/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/28/75-06/29/77	5 ##	10.	12.	20.	10.	20.	4.472	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/28/75-06/29/77	5	20.	45.6	150.	10.	3446.8	58.709	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/17/82-08/17/82	1	39.	39.	39.	39.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/10/74-06/29/77	7	100.	82.143	160.	5.	3348.81	57.869	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/28/75-06/29/77	5	6.	10.4	26.	5.	80.3	8.961	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/17/82-08/17/82	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/17/82-08/17/82	1	610.	610.	610.	610.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/10/74-06/29/77	7	100.	102.857	140.	70.	523.81	22.887	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/17/82-08/17/82	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/28/75-06/29/77	5	40.	48.	100.	20.	970.	31.145	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/17/82-08/17/82	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/17/82-08/17/82	1	3100.	3100.	3100.	3100.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/17/82-08/17/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/17/82-08/17/82	1	15000.	15000.	15000.	15000.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	9700.	9700.	9700.	9700.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	3.987	3.987	3.987	3.987	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			9700.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	1	1600.	1600.	1600.	1600.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/14/82-09/14/82	1	3.204	3.204	3.204	3.204	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1600.								
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/10/74-06/29/77	7	415.	425.286	778.	202.	37671.905	194.093	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	09/10/74-06/29/77	7	740.	831.429	1420.	314.	163832.952	404.763	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/10/74-06/29/77	7	0.56	0.577	1.06	0.27	0.071	0.266	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/28/75-06/29/77	5 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/17/82-08/17/82	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	5	4.8	5.34	7.7	3.	3.993	1.998	**	**	**	**
82133	DEOXYGENATION CONST,CARB.,K1 TO BASE E,20C,PER DAY	09/14/82-09/15/82	5	0.1	0.108	0.15	0.07	0.001	0.029	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0088

				Total	Exceed	Prop.	----------7/01-10/31----------			----------11/01-3/14----------			----------3/15-6/30----------			----------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	Fresh Acute	4.	12	0	0.00	8	0	0.00	2	0	0.00	2	0	0.00			
00400	PH	Other-Hi Lim.	9.	16	0	0.00	9	0	0.00	4	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	16	0	0.00	9	0	0.00	4	0	0.00	3	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	250.	11	1	0.09	4	1	0.25	4	0	0.00	3	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
00951	FLOURIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	50.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5	4	0.80	2	1	0.50	2	2	1.00	1	1	1.00			
		Drinking Water	1300.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	15.	5	1	0.20	2	0	0.00	2	1	0.50	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	5000.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	1	1	1.00	1	1	1.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	2.	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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/73-09/15/82	9	22.5	22.611	25.	20.5	2.049	1.431	20.5	21.5	23.75	25.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/73-09/15/82	9	921.	925.556	1450.	610.	55503.028	235.591	610.	759.5	990.	1450.
00400	PH (STANDARD UNITS)	08/16/73-09/15/82	9	7.6	7.544	7.8	6.9	0.08	0.283	6.9	7.4	7.75	7.8
00400	CONVERTED PH (STANDARD UNITS)	08/16/73-09/15/82	9	7.6	7.439	7.8	6.9	0.093	0.305	6.9	7.4	7.75	7.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/73-09/15/82	9	0.025	0.036	0.126	0.016	0.001	0.035	0.016	0.018	0.04	0.126

** - 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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/73-09/15/82	4	7.25	7.5	10.5	5.	6.167	2.483	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/73-09/15/82	3	550.	531.667	705.	340.	33558.333	183.189	**	**	**	**
00400	PH (STANDARD UNITS)	08/16/73-09/15/82	4	7.3	7.375	7.9	7.	0.203	0.45	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/16/73-09/15/82	4	7.204	7.226	7.9	7.	0.232	0.482	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/73-09/15/82	4	0.063	0.059	0.1	0.013	0.002	0.047	**	**	**	**

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/73-09/15/82	3	19.5	17.5	25.5	7.5	84.	9.165	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/73-09/15/82	3	550.	652.	1000.	406.	96012.	309.858	**	**	**	**
00400	PH (STANDARD UNITS)	08/16/73-09/15/82	3	7.4	7.567	8.1	7.2	0.223	0.473	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/16/73-09/15/82	3	7.4	7.432	8.1	7.2	0.25	0.5	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/73-09/15/82	3	0.04	0.037	0.063	0.008	0.001	0.028	**	**	**	**

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

Station Inventory for Station: CUVA0089

NPS Station ID: CUVA0089 | LAT/LON: 41.181392/ -81.583892 | Agency: 21OHIO | Date Created: / /
Location: CUYAHOGA R. DST AKRON WWTP - IRA RD. | FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 502190
RMI-Indexes: 0603002 | Within Park Boundary: Yes
RMI-Miles: 0035.31
HUC: 04110002 | Depth of Water: 0 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER | ECO Region:
RF1 Index: 04110002001 | RF1 Mile Point: 27.630 | Distance from RF1: 0.00 | On/Off RF1: ON
RF3 Index: 04110002000200.00 | RF3 Mile Point: 0.18 | Distance from RF3: 0.05 | On/Off RF3:
Description:
PURPOSE - MEASURES IMMEDIATE IMPACT OF AKRON S.T.P. LOCATION - SUMMIT CO.; AT IRA ROAD BRIDGE ABOUT 2 MILES NORTH OF AKRON S.T.P. IRA ROAD INTERSECTS AKRON-PENINSULA RD. AND RIVERVIEW RD. COLLECTION - GRAB SAMPLES BY AKRON WATER POLLUTION CONTROL LAB.

Parameter Inventory for Station: CUVA0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/10/73-09/24/91	139	13.	12.753	25.5	1.	61.075	7.815	3.	5.	20.	23.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/04/74-01/31/75	49	817.	969.	2770.	364.	394204.292	627.857	403.	454.5	1271.5	1991.
00065	STAGE, STREAM (FEET)	11/06/73-01/31/74	21	3.82	3.97	5.35	3.19	0.531	0.729	3.222	3.27	4.58	5.202
00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/10/73-01/31/75	118	2.	2.398	5.	1.	1.096	1.047	1.	2.	3.	4.
00080	COLOR (PLATINUM-COBALT UNITS)	12/10/73-01/31/75	118	2.	1.924	5.	0.	1.233	1.111	0.	1.	2.	3.1
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	12/10/73-01/31/75	117	2.	1.573	4.	0.	1.264	1.124	0.	0.5	2.	3.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/84-09/24/91	14	731.5	707.714	925.	515.	17343.143	131.693	522.5	587.5	803.75	900.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/26/74-09/10/87	10	744.5	655.5	860.	230.	52128.056	228.316	234.	516.	813.25	857.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/10/73-09/24/91	139	8.7	9.197	15.6	5.2	6.407	2.531	6.2	6.9	11.5	12.7
00310	BOD, 5 DAY, 20 DEG C MG/L	12/10/73-09/24/84	123	7.2	8.259	25.8	0.9	17.139	4.14	4.08	5.6	9.9	13.92
00335	COD, .025N K2CR2O7 MG/L	12/10/73-09/24/91	123	27.	32.857	227.	5.	730.905	27.035	17.4	22.	35.	47.4
00400	PH (STANDARD UNITS)	12/10/73-09/24/91	134	7.5	7.491	8.	5.3	0.073	0.271	7.3	7.4	7.6	7.725
00400	CONVERTED PH (STANDARD UNITS)	12/10/73-09/24/91	134	7.5	7.141	8.	5.3	0.196	0.443	7.3	7.4	7.6	7.725
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/10/73-09/24/91	134	0.032	0.072	5.012	0.01	0.185	0.431	0.019	0.025	0.04	0.05
00403	PH, LAB, STANDARD UNITS SU	12/12/73-12/18/73	2	8.15	8.15	8.7	7.6	0.605	0.778	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/12/73-12/18/73	2	7.868	7.868	8.7	7.6	0.764	0.874	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/12/73-12/18/73	2	0.014	0.014	0.025	0.002	0.	0.016	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	12/26/74-04/10/75	3	362.	366.333	418.	319.	2464.333	49.642	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/26/74-01/09/75	2	254.	254.	280.	228.	1352.	36.77	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/10/73-09/24/91	134	16.5	56.004	2110.	2.5	40601.472	201.498	6.	11.	29.25	98.5
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	12/26/74-04/10/75	3	0.5	0.567	0.9	0.3	0.093	0.306	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/74-09/24/91	73	1.	1.423	4.06	0.08	1.056	1.028	0.272	0.56	2.29	2.918
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/24/91	68	0.16	0.204	1.36	0.05	0.034	0.184	0.06	0.103	0.258	0.331
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/10/75-09/24/91	15	1.3	1.273	2.	0.5	0.221	0.47	0.62	0.8	1.7	1.94
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/25/74-09/24/91	72	1.165	1.493	4.79	0.42	0.877	0.937	0.736	0.955	1.55	3.178
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/10/73-01/31/75	114	1.595	2.015	15.25	0.34	4.529	2.128	0.61	0.92	2.25	3.415
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/10/75-04/10/75	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/26/74-09/24/91	17	0.22	0.315	0.7	0.07	0.045	0.211	0.094	0.155	0.465	0.668
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/26/74-01/09/75	2	8.25	8.25	10.5	6.	10.125	3.182	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	12/26/74-09/24/91	7 ##	0.003	0.002	0.003	0.	0.	0.001	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/26/74-09/24/91	23	238.	224.739	275.	126.	1436.111	37.896	160.8	197.	254.	264.2
00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/84-09/24/91	20	68.95	68.645	79.5	55.9	47.322	6.879	56.18	65.	74.	78.7
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/30/84-09/24/91	20	16.05	15.585	18.5	12.	3.763	1.94	12.45	14.	17.	17.6

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Parameter Inventory for Station: CUVA0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	12/26/74-09/24/91	8	118.	102.625	131.	40.	1268.554	35.617	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/26/74-01/09/75	2	52.	52.	58.	46.	72.	8.485	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/10/75-04/10/75	1	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	06/24/87-09/24/91	9	2.	1.778	3.	1.	0.444	0.667	1.	1.	2.	3.
01027	CADMIUM, TOTAL (UG/L AS CD)	07/30/84-09/24/91	20 ##	0.1	0.545	4.	0.1	1.081	1.039	0.1	0.1	0.4	2.77
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	12/26/74-01/09/75	2	9.	9.	18.	0.	162.	12.728	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	12/26/74-09/24/91	10 ##	15.	15.	30.	0.	50.	7.071	1.5	15.	15.	28.5
01042	COPPER, TOTAL (UG/L AS CU)	12/26/74-09/24/91	23 ##	5.	8.478	50.	0.	119.17	10.916	5.	5.	5.	26.
01045	IRON, TOTAL (UG/L AS FE)	12/26/74-10/24/89	16	595.	1251.25	7160.	270.	3125491.667	1767.906	333.	392.5	1240.	4486.
01051	LEAD, TOTAL (UG/L AS PB)	12/26/74-09/24/91	17	3.	6.118	50.	0.	135.235	11.629	0.8	1.	4.5	18.
01055	MANGANESE, TOTAL (UG/L AS MN)	12/26/74-09/10/87	4	122.5	111.25	125.	75.	589.583	24.281	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/30/84-09/24/91	14 ##	20.	20.	20.	20.	0.	0.	20.	20.	20.	20.
01092	ZINC, TOTAL (UG/L AS ZN)	12/26/74-09/24/91	23	30.	35.652	100.	0.	673.419	25.95	5.	20.	45.	86.
01105	ALUMINUM, TOTAL (UG/L AS AL)	12/26/74-09/10/87	5	700.	1208.	3800.	250.	2191570.	1480.395	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	02/13/74-11/11/74	91	9000.	69316.154	622000.	0.14	33865181	2.821	119744.11	1676.	3000.	100000.	234400.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	02/13/74-11/11/74	91	3.954	4.112	5.794	0.	1.015	1.007	3.224	3.477	5.	5.369
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			12929.611								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/13/74-09/24/84	92	750.	1862.957	30000.	0.	13193261.624	3632.253	0.	100.	2275.	5620.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/13/74-09/24/84	92	2.874	2.367	4.477	0.	1.8	1.342	0.	2.	3.357	3.749
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			232.581								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	12/26/74-04/10/75	2	7200.	7200.	9000.	5400.	6480000.	2545.584	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	12/26/74-04/10/75	2	3.843	3.843	3.954	3.732	0.025	0.157	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			6971.37								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	12/26/74-09/24/91	13 ##	5.	5.231	10.	3.	2.359	1.536	3.8	5.	5.	8.
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	01/23/74-04/10/75	37	0.5	0.678	6.24	0.05	1.574	1.255	0.068	0.14	0.56	0.656
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/22/87-07/22/87	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/30/84-09/24/91	14	511.	503.286	570.	388.	2915.451	53.995	401.	472.5	548.5	567.
71900	MERCURY, TOTAL (UG/L AS HG)	04/10/75-04/10/75	1	1.	1.	1.	1.	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/11/91-09/24/91	6 ##	0.5	1.433	6.1	0.5	5.227	2.286	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: CUVA0089

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	118	0	0.00	35	0	0.00	52	0	0.00	31	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	139	0	0.00	50	0	0.00	54	0	0.00	35	0	0.00			
00400	PH	Other-Hi Lim.	9.	134	0	0.00	49	0	0.00	51	0	0.00	34	0	0.00			
		Other-Lo Lim.	6.5	134	1	0.01	49	0	0.00	51	1	0.02	34	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00				2	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00				2	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	68	1	0.01	34	1	0.03	25	0	0.00	9	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	72	0	0.00	35	0	0.00	27	0	0.00	10	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	7	0	0.00	6	0	0.00	1	0	0.00						
		Drinking Water	0.2	7	0	0.00	6	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00	6	0	0.00	2	0	0.00						
		Drinking Water	250.	8	0	0.00	6	0	0.00	2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00				2	0	0.00						
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	50.	9	0	0.00	8	0	0.00				1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	20	1	0.05	19	1	0.05				1	0	0.00			
		Drinking Water	5.	20	0	0.00	19	0	0.00				1	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	2	1	0.50				2	1	0.50						
		Drinking Water	100.	2	0	0.00				2	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	10	0	0.00	8	0	0.00	1	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	23	3	0.13	19	1	0.05	2	1	0.50	2	1	0.50			
		Drinking Water	1300.	23	0	0.00	19	0	0.00	2	0	0.00	2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	17	0	0.00	13	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	15.	17	1	0.06	13	0	0.00	2	1	0.50	2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: CUVA0089

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01067	NICKEL, TOTAL	Fresh Acute	1400.	14	0	0.00	13	0	0.00				1	0	0.00			
		Drinking Water	100.	14	0	0.00	13	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	23	0	0.00	19	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	5000.	23	0	0.00	19	0	0.00	2	0	0.00	2	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	91	89	0.98	34	32	0.94	16	16	1.00	41	41	1.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	92	63	0.68	27	13	0.48	32	28	0.88	33	22	0.67			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/10/73-09/24/91	50	21.	19.982	25.5	11.	14.911	3.861	14.55	16.375	23.	24.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/10/73-09/24/91	50	6.9	7.002	9.	5.2	0.889	0.943	6.	6.2	7.625	8.66
00310	BOD, 5 DAY, 20 DEG C MG/L	12/10/73-09/24/84	40	6.5	7.147	16.	1.7	10.136	3.184	3.64	5.375	7.375	13.
00335	COD, .025N K2CR2O7 MG/L	12/10/73-09/24/91	40	30.	31.075	90.	5.	222.584	14.919	11.2	24.25	39.	44.
00400	PH (STANDARD UNITS)	12/10/73-09/24/91	49	7.5	7.491	8.	6.9	0.056	0.238	7.2	7.3	7.65	7.8
00400	CONVERTED PH (STANDARD UNITS)	12/10/73-09/24/91	49	7.5	7.423	8.	6.9	0.061	0.247	7.2	7.3	7.65	7.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/10/73-09/24/91	49	0.032	0.038	0.126	0.01	0.001	0.024	0.016	0.023	0.05	0.063
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/10/73-09/24/91	48	12.5	36.677	920.	2.5	17366.08	131.78	4.8	8.	21.75	40.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/74-09/24/91	35	1.74	1.575	4.06	0.08	1.371	1.171	0.192	0.48	2.52	3.436
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/24/91	34	0.245	0.261	1.36	0.06	0.057	0.24	0.06	0.118	0.303	0.44
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/10/75-09/24/91	13	1.3	1.254	1.9	0.5	0.194	0.441	0.58	0.85	1.6	1.9
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/25/74-09/24/91	35	1.44	1.991	4.79	0.79	1.221	1.105	0.93	1.15	2.91	3.776
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/26/74-09/24/91	13	0.38	0.362	0.7	0.07	0.047	0.217	0.102	0.16	0.57	0.684
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/26/74-09/24/91	19	242.	237.579	275.	189.	549.48	23.441	191.	220.	255.	267.
00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/84-09/24/91	19	69.	69.216	79.5	55.9	43.073	6.563	56.	65.	74.	79.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/30/84-09/24/91	19	16.1	15.726	18.5	12.	3.551	1.884	12.4	14.	17.	17.6
01027	CADMIUM, TOTAL (UG/L AS CD)	07/30/84-09/24/91	19 ##	0.1	0.553	4.	0.1	1.139	1.067	0.1	0.1	0.4	3.
01042	COPPER, TOTAL (UG/L AS CU)	12/26/74-09/24/91	19 ##	5.	5.789	20.	5.	11.842	3.441	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	12/26/74-10/24/89	13	520.	723.846	3340.	270.	641075.641	800.672	306.	390.	690.	2308.
01051	LEAD, TOTAL (UG/L AS PB)	12/26/74-09/24/91	13	3.	2.692	5.	1.	2.064	1.437	1.	1.	4.	4.6
01092	ZINC, TOTAL (UG/L AS ZN)	12/26/74-09/24/91	19	30.	34.737	90.	5.	517.982	22.759	5.	20.	45.	80.
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	12/26/74-09/24/91	11 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.

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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/10/73-09/24/91	54	4.	5.083	17.5	1.	11.771	3.431	2.	3.	6.	9.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/10/73-09/24/91	54	11.8	11.585	15.6	6.	2.987	1.728	8.7	10.85	12.7	13.35
00310	BOD, 5 DAY, 20 DEG C MG/L	12/10/73-09/24/84	52	7.1	8.027	22.	0.9	20.053	4.478	3.72	5.15	9.475	15.14
00335	COD, .025N K2CR2O7 MG/L	12/10/73-09/24/91	52	24.	32.827	163.	13.	754.577	27.47	19.3	21.	31.	51.1
00400	PH (STANDARD UNITS)	12/10/73-09/24/91	51	7.5	7.48	7.8	5.3	0.132	0.363	7.3	7.5	7.6	7.7
00400	CONVERTED PH (STANDARD UNITS)	12/10/73-09/24/91	51	7.5	6.879	7.8	5.3	0.5	0.707	7.3	7.5	7.6	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/10/73-09/24/91	51	0.032	0.132	5.012	0.016	0.487	0.698	0.02	0.025	0.032	0.05
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/10/73-09/24/91	53	20.	44.792	394.	3.	4571.514	67.613	10.4	14.	42.5	125.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/74-09/24/91	27	0.87	1.13	3.18	0.08	0.66	0.812	0.35	0.57	1.53	2.698
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/24/91	25	0.16	0.156	0.34	0.05	0.005	0.07	0.078	0.105	0.17	0.284
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/25/74-09/24/91	27	1.04	1.084	1.56	0.75	0.045	0.211	0.82	0.95	1.18	1.448
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/26/74-09/24/91	2	0.2	0.2	0.3	0.1	0.02	0.141	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/26/74-09/24/91	2	134.	134.	142.	126.	128.	11.314	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	12/26/74-09/24/91	2	25.	25.	50.	0.	1250.	35.355	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	12/26/74-10/24/89	2	4280.	4280.	7160.	1400.	16588800.	4072.935	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	12/26/74-09/24/91	2	25.	25.	50.	0.	1250.	35.355	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	12/26/74-09/24/91	2	50.	50.	100.	0.	5000.	70.711	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	12/26/74-09/24/91	1	3.	3.	3.	3.	0.	0.	**	**	**	**

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/10/73-09/24/91	35	16.	14.257	23.	4.5	35.447	5.954	5.	8.	19.5	21.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/10/73-09/24/91	35	8.3	8.649	11.9	6.2	3.615	1.901	6.36	7.	10.2	11.68
00310	BOD, 5 DAY, 20 DEG C MG/L	12/10/73-09/24/84	31	9.4	10.084	25.8	4.2	17.249	4.153	5.44	7.8	12.2	14.36

** - 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 #3: 3/15 to 6/30 - Station CUVA0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00335	COD, .025N K2CR2O7 MG/L	12/10/73-09/24/91	31	28.	35.206	227.	8.	1390.268	37.286	18.	24.	35.	48.4
00400	PH (STANDARD UNITS)	12/10/73-09/24/91	34	7.5	7.506	8.	7.4	0.013	0.115	7.4	7.4	7.6	7.6
00400	CONVERTED PH (STANDARD UNITS)	12/10/73-09/24/91	34	7.5	7.493	8.	7.4	0.013	0.116	7.4	7.4	7.6	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/10/73-09/24/91	34	0.032	0.032	0.04	0.01	0.	0.007	0.025	0.025	0.04	0.04
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/10/73-09/24/91	33	18.	102.121	2110.	4.	132852.985	364.49	7.8	14.	38.5	161.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/25/74-09/24/91	11	1.34	1.657	3.13	0.12	0.853	0.924	0.278	0.97	2.49	3.05
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/25/74-09/24/91	9	0.12	0.122	0.21	0.05	0.003	0.052	0.05	0.08	0.165	0.21
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/10/75-09/24/91	2	1.4	1.4	2.	0.8	0.72	0.849	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/25/74-09/24/91	10	0.705	0.857	2.17	0.42	0.267	0.517	0.427	0.498	1.028	2.073
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/26/74-09/24/91	2	0.13	0.13	0.16	0.1	0.002	0.042	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/26/74-09/24/91	2	193.5	193.5	197.	190.	24.5	4.95	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/84-09/24/91	1	57.8	57.8	57.8	57.8	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/30/84-09/24/91	1	12.9	12.9	12.9	12.9	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/30/84-09/24/91	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	12/26/74-09/24/91	2	## 17.5	17.5	30.	5.	312.5	17.678	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	12/26/74-10/24/89	1	2050.	2050.	2050.	2050.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	12/26/74-09/24/91	2	9.5	9.5	10.	9.	0.5	0.707	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	12/26/74-09/24/91	2	30.	30.	30.	30.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	12/26/74-09/24/91	1	10.	10.	10.	10.	0.	0.	**	**	**	**

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

Station Inventory for Station: CUVA0090

NPS Station ID: CUVA0090 | LAT/LON: 41.181477/ -81.583559 | Agency: 11NPSWRD | Date Created: 03/11/95
Location: IRA ROAD BRIDGE | FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): CUVA_IRRO
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002 | Depth of Water: 0 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER | ECO Region:
RF1 Index: 04110002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 05040001065800.00 | RF3 Mile Point: 1.51 | Distance from RF3: 0.22 | On/Off RF3:
Description:
STATION IS LOCATED AT THE IRA ROAD BRIDGE CROSSING OVER THE CUYAHOGA RIVER.
STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/90-10/03/94	268	18.	17.674	26.	0.	22.6	4.754	10.95	15.	21.	23.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/93-10/03/94	25	590.	602.2	920.	380.	24868.917	157.699	397.	480.	750.	800.
00300	OXYGEN, DISSOLVED MG/L	01/28/93-10/03/94	25	9.5	9.872	16.8	6.	8.533	2.921	6.4	7.7	12.	14.
00310	BOD, 5 DAY, 20 DEG C MG/L	04/15/93-01/05/94	5	2.2	2.6	4.2	2.	0.86	0.927	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/93-10/03/94	25	7.61	7.59	7.96	7.3	0.04	0.201	7.3	7.4	7.725	7.906
00400	CONVERTED PH (STANDARD UNITS)	01/28/93-10/03/94	25	7.61	7.547	7.96	7.3	0.042	0.205	7.3	7.4	7.725	7.906
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/93-10/03/94	25	0.025	0.028	0.05	0.011	0.	0.013	0.012	0.019	0.04	0.05
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/93-10/03/94	25	133.	131.32	187.	83.	684.227	26.158	92.6	115.5	146.	168.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/94-10/03/94	6	0.14	0.183	0.52	0.04	0.03	0.172	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/15/93-01/05/94	5	1.2	1.212	2.54	0.12	0.779	0.883	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/93-10/03/94	11	0.21	0.204	0.32	0.11	0.005	0.068	0.116	0.14	0.24	0.316
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/15/93-01/05/94	3	225.	227.667	256.	202.	734.333	27.099	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/93-10/03/94	25	110.	114.92	218.	55.	1434.743	37.878	72.8	88.	134.	171.8
01027	CADMIUM, TOTAL (UG/L AS CD)	04/15/93-01/05/94	3 ##	2.5	5.	10.	2.5	18.75	4.33	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/15/93-01/05/94	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/15/93-01/05/94	3	6.	6.667	8.	6.	1.333	1.155	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/15/93-01/05/94	3	590.	603.333	780.	440.	29033.333	170.392	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/15/93-01/05/94	3 ##	1.5	10.333	28.	1.5	234.083	15.3	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/15/93-01/05/94	3 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/15/93-01/05/94	3	17.	16.5	31.	1.5	217.75	14.756	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/90-10/03/94	289	1700.	9208.311	258000.	0.	840631546.035	28993.647	210.	650.	4850.	15000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/90-10/03/94	289	3.23	3.243	5.412	0.	0.606	0.779	2.322	2.813	3.686	4.176
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1748.005								
31648	E. COLI - MTEC-MF N0/100ML	04/02/90-10/03/94	284	740.	5322.912	178000.	0.	325587411.579	18044.041	73.	280.	2200.	10000.
31648	LOG E. COLI - MTEC-MF N0/1	04/02/90-10/03/94	284	2.869	2.873	5.25	0.	0.796	0.892	1.863	2.447	3.342	4.
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			746.511								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/03/90-10/03/94	266	9.4	24.277	593.	1.7	3361.522	57.979	3.67	5.6	15.85	41.5
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/02/90-10/03/94	213	0.	0.106	2.1	0.	0.082	0.287	0.	0.	0.04	0.374

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

EPA Water Quality Criteria Analysis for Station: CUVA0090

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	25	0	0.00	12	0	0.00	4	0	0.00	9	0	0.00			
00400	PH	Other-Hi Lim.	9.	25	0	0.00	12	0	0.00	4	0	0.00	9	0	0.00			
		Other-Lo Lim.	6.5	25	0	0.00	12	0	0.00	4	0	0.00	9	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	25	0	0.00	12	0	0.00	4	0	0.00	9	0	0.00			
		Drinking Water	250.	25	0	0.00	12	0	0.00	4	0	0.00	9	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	1	0.33				1	1	1.00	2	0	0.00			
		Drinking Water	5.	3	1	0.33				1	1	1.00	2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00				1	0	0.00	2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	1300.	3	0	0.00				1	0	0.00	2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	15.	3	1	0.33				1	1	1.00	2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	100.	3	0	0.00				1	0	0.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	5000.	3	0	0.00				1	0	0.00	2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	289	262	0.91	155	136	0.88	5	5	1.00	129	121	0.94			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	284	241	0.85	152	121	0.80	5	5	1.00	127	115	0.91			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	266	22	0.08	139	16	0.12	5	1	0.20	122	5	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 1990 - Station CUVA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/90-10/03/94	163	17.	17.086	25.	8.	19.881	4.459	9.	15.	21.	22.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/90-10/03/94	163	2900.	12771.166	258000.	0.	1102343944.929	33201.565	788.	1200.	7200.	39000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/90-10/03/94	163	3.462	3.521	5.412	0.	0.469	0.685	2.896	3.079	3.857	4.591
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3315.603								
31648	E. COLI - MTEC-MF N0/100ML	04/02/90-10/03/94	163	1200.	7178.914	178000.	0.	464516343.56	21552.641	150.	420.	3700.	15800.
31648	LOG E. COLI - MTEC-MF N0/1	04/02/90-10/03/94	163	3.079	3.077	5.25	0.	0.821	0.906	2.176	2.623	3.568	4.197
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			1193.473								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/03/90-10/03/94	161	12.2	31.943	361.	3.5	3274.832	57.226	5.8	8.15	24.85	82.5

** - 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 1991 - Station CUVA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/90-10/03/94	58	21.5	20.672	26.	0.	15.198	3.898	16.45	19.	23.	24.1
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/90-10/03/94	61	930.	2131.475	36000.	80.	24246619.454	4924.086	172.	420.	1800.	4340.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/90-10/03/94	61	2.968	2.953	4.556	1.903	0.272	0.521	2.235	2.623	3.253	3.636
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			897.028								
31648	E. COLI - MTEC-MF N0/100ML	04/02/90-10/03/94	57	350.	649.298	7100.	15.	1546973.82	1243.774	48.	97.	695.	944.
31648	LOG E. COLI - MTEC-MF N0/1	04/02/90-10/03/94	57	2.544	2.451	3.851	1.176	0.321	0.566	1.68	1.987	2.842	2.975
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			282.539								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/03/90-10/03/94	58	5.7	6.383	24.3	2.7	13.095	3.619	3.1	3.575	8.45	10.3

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

Annual Analysis for 1992 - Station CUVA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/90-10/03/94	22	18.	17.909	24.	14.	6.944	2.635	14.3	15.875	19.625	21.7
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/90-10/03/94	22	611.5	1207.864	9200.	12.	3785823.266	1945.719	79.8	233.5	1665.	2572.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/90-10/03/94	22	2.786	2.722	3.964	1.079	0.392	0.626	1.866	2.365	3.219	3.408
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			527.191								
31648	E. COLI - MTEC-MF N0/100ML	04/02/90-10/03/94	21	420.	1037.476	6900.	8.	2353848.962	1534.226	43.6	163.	1315.	2368.
31648	LOG E. COLI - MTEC-MF N0/1	04/02/90-10/03/94	21	2.623	2.634	3.839	0.903	0.459	0.678	1.624	2.201	3.116	3.374
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			430.207								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/03/90-10/03/94	22	7.95	8.086	21.8	3.6	17.809	4.22	3.73	4.525	10.025	13.12

** - 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 1993 - Station CUVA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/90-10/03/94	18	14.5	13.889	20.5	0.	38.34	6.192	4.05	10.125	20.125	20.5
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/90-10/03/94	37	550.	8367.811	234000.	20.	1473267706.547	38383.17	26.6	50.	2220.	10080.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/90-10/03/94	37	2.74	2.682	5.369	1.301	0.927	0.963	1.425	1.693	3.346	4.003
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			481.182								
31648	E. COLI - MTEC-MF N0/100ML	04/02/90-10/03/94	37	473.	4366.135	106000.	8.	301775996.342	17371.701	20.	37.5	1508.	7668.
31648	LOG E. COLI - MTEC-MF N0/1	04/02/90-10/03/94	37	2.675	2.58	5.025	0.903	0.949	0.974	1.301	1.565	3.178	3.885
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			379.809								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/03/90-10/03/94	18	5.45	40.656	593.	1.7	19084.921	138.148	1.79	2.975	11.475	89.54

** - 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 1994 - Station CUVA0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/90-10/03/94	7	17.	15.5	22.	1.5	46.583	6.825	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/90-10/03/94	6	13000.	18883.333	50000.	1300.	366041666.667	19132.215	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/90-10/03/94	6	4.092	3.999	4.699	3.114	0.374	0.612	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9974.091								
31648	E. COLI - MTEC-MF N0/100ML	04/02/90-10/03/94	6	11700.	20200.	52000.	1600.	467584000.	21623.691	**	**	**	**
31648	LOG E. COLI - MTEC-MF N0/1	04/02/90-10/03/94	6	4.037	3.993	4.716	3.204	0.405	0.636	**	**	**	**
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			9844.443								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/03/90-10/03/94	7	4.9	4.971	7.9	3.	4.519	2.126	**	**	**	**

** - 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

Station Inventory for Station: CUVA0091

NPS Station ID: CUVA0091 LAT/LON: 41.188059/ -81.485143 Agency: 21OHIO Date Created: 12/14/84
Location: MUD BROOK JUST UPSTREAM OF WYOGA LAKE FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01W21
RMI-Indexes: 0603002 000890 Within Park Boundary: No
RMI-Miles: 0039.78 0007.06
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 05040001118100.00 RF3 Mile Point: 3.74 Distance from RF3: 0.05 On/Off RF3:
Description:
PURPOSE - OHIO EPA WATER QUALITY MODELING FOR WASTELOAD ALLOCATION. LOCATION - SUMMIT COUNTY; MUD BROOK APPROX. 50 FEET UPSTREAM OF WYOGA LAKE SOUTH OF HUDSON AND NORTH OF CUYAHOGA FALLS COLLECTION - 1984 SURVEY BY WQ MODELING.

Parameter Inventory for Station: CUVA0091

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/14/84-08/14/84	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/04/84-10/04/84	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/14/84-08/14/84	1	1130.	1130.	1130.	1130.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/14/84-08/14/84	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/14/84-09/19/84	2	4.35	4.35	4.8	3.9	0.405	0.636	**	**	**	**
00324	BOD, 20 DAY, 20 DEG C MG/L	09/19/84-09/19/84	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	09/19/84-09/19/84	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/14/84-08/14/84	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/14/84-08/14/84	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/14/84-08/14/84	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/19/84-09/19/84	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/19/84-09/19/84	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/19/84-09/19/84	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/14/84-09/19/84	2	9.	9.	9.	9.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/14/84-09/19/84	2	8.7	8.7	9.3	8.1	0.72	0.849	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/14/84-09/19/84	2	0.26	0.26	0.28	0.24	0.001	0.028	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/14/84-09/19/84	2	9.55	9.55	9.6	9.5	0.005	0.071	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/14/84-09/19/84	2	0.98	0.98	1.	0.96	0.001	0.028	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/84-09/19/84	2	0.215	0.215	0.24	0.19	0.001	0.035	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/84-08/14/84	1	121.	121.	121.	121.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/14/84-08/14/84	1	590.	590.	590.	590.	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/19/84-09/19/84	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	09/19/84-09/19/84	1	3.6	3.6	3.6	3.6	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: CUVA0091

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	1	1.00	1	1	1.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	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: CUVA0092

NPS Station ID: CUVA0092 | LAT/LON: 41.194170/ -81.445837 | Agency: 21OHIO | Date Created: 01/04/86
Location: TRIB TO POWERS BROOK DST MORGAN ADHESIVES CO. | FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): F01S65
RMI-Indexes: 0603002 000890 00200 0100 | Within Park Boundary: No
RMI-Miles: 0039.78 0009.09 001.90 000.17
HUC: 04110002 | Depth of Water: 0 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER | ECO Region:
RF1 Index: 04110002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 04110002002004.65 | RF3 Mile Point: 4.65 | Distance from RF3: 0.03 | On/Off RF3:
Description:
PURPOSE - SHORT-TERM SURVEY TO DETERMINE THE IMPACT OF THE MORGAN ADHESIVES CO. ON POWERS BROOK.
LOCATION - SUMMIT CO.; LOCATED AT THE FIRST BRIDGE DOWNSTREAM FROM THE 002 OUTFALL, 0.17 MILES UPSTREAM FROM MEADOWBROOK LAKE.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0092

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	11/17/81-11/17/81	1	8.3	8.3	8.3	8.3	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

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

Station Inventory for Station: CUVA0093

NPS Station ID: CUVA0093 LAT/LON: 41.200004/ -81.441116 Agency: 112WRD Date Created: 12/02/81
Location: POWERS BK AB MEADOWBROOK LK (I-1) NR STOW OH FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 411200081262800
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 05040001115600.68 RF3 Mile Point: 0.68 Distance from RF3: 0.05 On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/80-08/29/80	2	19.2	19.2	19.8	18.6	0.72	0.849	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/02/80-08/29/80	2	8.5	8.5	15.	2.	84.5	9.192	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/02/80-08/29/80	2	46.	46.	90.	2.	3872.	62.225	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	06/02/80-08/29/80	2	55.	55.	100.	10.	4050.	63.64	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/80-08/29/80	2	531.	531.	648.	414.	27378.	165.463	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/02/80-08/29/80	2	8.2	8.2	9.	7.4	1.28	1.131	**	**	**	**
00400	PH (STANDARD UNITS)	06/02/80-08/29/80	2	7.6	7.6	7.7	7.5	0.02	0.141	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/02/80-08/29/80	2	7.589	7.589	7.7	7.5	0.02	0.142	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/02/80-08/29/80	2	0.026	0.026	0.032	0.02	0.	0.008	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/02/80-08/29/80	2	1.085	1.085	1.2	0.97	0.026	0.163	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/02/80-08/29/80	2	0.585	0.585	0.61	0.56	0.001	0.035	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/02/80-08/29/80	2	0.505	0.505	0.6	0.41	0.018	0.134	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/02/80-08/29/80	2	0.135	0.135	0.23	0.04	0.018	0.134	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/02/80-08/29/80	2	4.5	4.5	6.3	2.7	6.48	2.546	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/02/80-08/29/80	2	0.415	0.415	0.71	0.12	0.174	0.417	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/02/80-08/29/80	2	4.85	4.85	5.4	4.3	0.605	0.778	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0093

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	2	1	0.50	1	0	0.00				1	1	1.00			
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	0	0.00	1	0	0.00				1	0	0.00			
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	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: CUVA0094

NPS Station ID: CUVA0094
LAT/LON: 41.200837/ -81.568615
Agency: 112WRD
Date Created: / /
Location: CUYAHOGA R BL AKRON OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 04206300
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 26.730
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05040001116101.48
RF3 Mile Point: 2.29
Distance from RF3: 0.29
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/15/70-10/15/70	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	10/15/70-10/15/70	1	530.	530.	530.	530.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/15/70-10/15/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/15/70-10/15/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	10/15/70-10/15/70	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	10/15/70-10/15/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	10/15/70-10/15/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/15/70-10/15/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/15/70-10/15/70	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/15/70-10/15/70	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: CUVA0094

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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									
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									
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
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									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	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: CUVA0095

NPS Station ID: CUVA0095
LAT/LON: 41.201337/ -81.574170
Agency: 11NPSWRD
Date Created: 03/11/95
Location: FURNACE RUN
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_FURU
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED ON FURNACE RUN - A TRIBUTARY OF THE CUYAHOGA RIVER. STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0095

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/86-09/20/94	43	13.5	13.307	23.	0.	45.626	6.755	4.4	7.	19.	21.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/26/86-09/20/94	44	700.	707.386	1900.	375.	52890.103	229.978	450.	602.5	790.	885.
00300	OXYGEN, DISSOLVED MG/L	03/26/86-09/20/94	41	9.4	9.641	16.	4.4	6.997	2.645	6.42	7.85	11.55	13.62
00310	BOD, 5 DAY, 20 DEG C MG/L	03/26/86-07/28/93	12 ##	1.	1.333	3.	1.	0.424	0.651	1.	1.	1.75	2.7
00400	PH (STANDARD UNITS)	03/26/86-09/20/94	44	8.005	7.949	8.34	7.4	0.059	0.244	7.475	7.825	8.1	8.23
00400	CONVERTED PH (STANDARD UNITS)	03/26/86-09/20/94	44	8.005	7.872	8.34	7.4	0.065	0.256	7.475	7.825	8.1	8.23
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/86-09/20/94	44	0.01	0.013	0.04	0.005	0.	0.01	0.006	0.008	0.015	0.034
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/86-09/20/94	44	165.	159.614	203.	91.	636.615	25.231	123.5	145.75	172.75	191.5
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/20/94-07/20/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/26/86-07/28/93	13	0.19	0.35	1.16	0.	0.117	0.342	0.044	0.11	0.5	1.048
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/86-07/20/94	14 ##	0.015	0.034	0.23	0.01	0.004	0.059	0.01	0.01	0.02	0.155
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/10/86-09/30/93	10	280.	276.8	328.	236.	829.511	28.801	236.5	244.	292.5	325.2
00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/86-09/20/94	44	99.5	112.273	505.	48.	4570.436	67.605	64.	80.75	126.5	155.5
01027	CADMIUM, TOTAL (UG/L AS CD)	04/23/86-09/30/93	9 ##	0.05	0.867	3.	0.05	1.563	1.25	0.05	0.05	2.25	3.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/86-09/30/93	9 ##	1.	3.111	15.	1.	21.611	4.649	1.	1.	3.5	15.
01042	COPPER, TOTAL (UG/L AS CU)	04/23/86-09/30/93	9	4.	6.389	23.	0.5	47.486	6.891	0.5	2.5	9.	23.
01045	IRON, TOTAL (UG/L AS FE)	04/23/86-09/30/93	9	207.	439.	1329.	125.	201587.25	448.985	125.	154.	797.	1329.
01051	LEAD, TOTAL (UG/L AS PB)	04/23/86-09/30/93	9 ##	1.	2.833	16.	0.5	25.125	5.012	0.5	0.5	2.5	16.
01067	NICKEL, TOTAL (UG/L AS NI)	04/23/86-09/30/93	9 ##	1.5	3.889	20.	1.5	36.924	6.076	1.5	1.5	3.	20.
01092	ZINC, TOTAL (UG/L AS ZN)	04/23/86-09/30/93	9	10.	31.444	114.	4.	1782.528	42.22	4.	4.	59.5	114.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/26/86-09/20/94	42	80.	531.333	5300.	2.	1052742.764	1026.033	23.	44.	535.	1918.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/26/86-09/20/94	42	1.903	2.131	3.724	0.301	0.549	0.741	1.354	1.643	2.726	3.279
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			135.1								
31648	E. COLI - MTEC-MF N0/100ML	07/11/91-09/20/94	11	95.	206.	960.	8.	75958.2	275.605	14.4	40.	287.	840.4
31648	LOG E. COLI - MTEC-MF N0/1	07/11/91-09/20/94	11	1.978	2.003	2.982	0.903	0.33	0.574	1.043	1.602	2.458	2.898
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			100.726								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/26/86-09/20/94	44	2.45	15.182	137.	0.9	948.429	30.797	1.	1.325	12.475	57.55
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	03/26/86-09/20/94	44	0.	0.007	0.3	0.	0.002	0.045	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: CUVA0095

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	41	0	0.00	24	0	0.00	4	0	0.00	13	0	0.00			
00400	PH	Other-Hi Lim.	9.	44	0	0.00	25	0	0.00	4	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	44	0	0.00	25	0	0.00	4	0	0.00	15	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	44	0	0.00	25	0	0.00	4	0	0.00	15	0	0.00			
		Drinking Water	250.	44	1	0.02	25	0	0.00	4	1	0.25	15	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	5.	9	0	0.00	8	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	8	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	9	1	0.11	8	1	0.13				1	0	0.00			
		Drinking Water	1300.	9	0	0.00	8	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	15.	9	1	0.11	8	1	0.13				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	100.	9	0	0.00	8	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	5000.	9	0	0.00	8	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	42	15	0.36	24	8	0.33	3	3	1.00	15	4	0.27			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	11	4	0.36	8	4	0.50				3	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	44	4	0.09	25	2	0.08	4	0	0.00	15	2	0.13			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0095

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/86-09/20/94	24	19.	18.021	23.	9.	15.684	3.96	10.5	17.	21.	22.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/26/86-09/20/94	25	720.	705.4	910.	480.	12637.333	112.416	550.	625.	790.	888.
00300	OXYGEN, DISSOLVED MG/L	03/26/86-09/20/94	24	8.55	8.533	16.	4.4	5.94	2.437	5.35	6.875	9.6	11.55
00310	BOD, 5 DAY, 20 DEG C MG/L	03/26/86-07/28/93	9 ##	1.	1.222	2.	1.	0.194	0.441	1.	1.	1.5	2.
00400	PH (STANDARD UNITS)	03/26/86-09/20/94	25	8.	7.952	8.25	7.4	0.045	0.213	7.56	7.85	8.1	8.182
00400	CONVERTED PH (STANDARD UNITS)	03/26/86-09/20/94	25	8.	7.893	8.25	7.4	0.049	0.221	7.56	7.85	8.1	8.182
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/86-09/20/94	25	0.01	0.013	0.04	0.006	0.	0.008	0.007	0.008	0.014	0.028
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/86-09/20/94	25	170.	171.12	203.	124.	294.693	17.167	148.8	163.	183.5	193.6
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/26/86-07/28/93	10	0.17	0.282	0.88	0.	0.075	0.273	0.011	0.11	0.433	0.854
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/86-07/20/94	11 ##	0.01	0.019	0.08	0.01	0.	0.021	0.01	0.01	0.02	0.068
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/10/86-09/30/93	9	280.	280.778	328.	236.	755.194	27.481	236.	262.	295.	328.
00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/86-09/20/94	25	99.	102.04	161.	62.	637.207	25.243	69.	81.5	119.5	138.6
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/26/86-09/20/94	24	100.	492.25	5300.	12.	1210369.152	1100.168	32.	46.25	449.25	1320.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/26/86-09/20/94	24	1.991	2.151	3.724	1.079	0.42	0.648	1.504	1.665	2.642	3.114
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			141.632								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/26/86-09/20/94	25	1.9	10.608	99.	0.9	525.447	22.923	0.96	1.1	7.5	38.84
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	03/26/86-09/20/94	25	0.	0.	0.01	0.	0.	0.002	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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0095

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/86-09/20/94	4	2.5	3.	6.	1.	6.	2.449	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/26/86-09/20/94	4	885.	1011.25	1900.	375.	408872.917	639.432	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/26/86-09/20/94	4	12.05	11.925	12.6	11.	0.462	0.68	**	**	**	**
00400	PH (STANDARD UNITS)	03/26/86-09/20/94	4	8.015	8.028	8.1	7.98	0.003	0.051	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/26/86-09/20/94	4	8.015	8.025	8.1	7.98	0.003	0.051	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/86-09/20/94	4	0.01	0.009	0.01	0.008	0.	0.001	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/86-09/20/94	4	154.	148.5	195.	91.	1897.	43.555	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/86-09/20/94	4	133.	204.75	505.	48.	41842.917	204.555	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/26/86-09/20/94	3	1030.	1493.333	3000.	450.	1786633.333	1336.65	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/26/86-09/20/94	3	3.013	3.048	3.477	2.653	0.171	0.413	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1116.153								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/26/86-09/20/94	4	10.5	17.625	48.	1.5	456.229	21.36	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	03/26/86-09/20/94	4	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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0095

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/86-09/20/94	15	8.	8.513	17.5	0.	16.76	4.094	3.	7.	10.2	15.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/26/86-09/20/94	15	640.	629.667	830.	415.	20308.81	142.509	418.	470.	740.	812.
00300	OXYGEN, DISSOLVED MG/L	03/26/86-09/20/94	13	11.	10.985	14.7	6.9	5.676	2.383	7.42	9.1	13.15	14.46
00310	BOD, 5 DAY, 20 DEG C MG/L	03/26/86-07/28/93	3 ##	1.	1.667	3.	1.	1.333	1.155	**	**	**	**
00400	PH (STANDARD UNITS)	03/26/86-09/20/94	15	8.	7.924	8.34	7.4	0.102	0.319	7.4	7.7	8.12	8.328
00400	CONVERTED PH (STANDARD UNITS)	03/26/86-09/20/94	15	8.	7.807	8.34	7.4	0.116	0.341	7.4	7.7	8.12	8.328
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/86-09/20/94	15	0.01	0.016	0.04	0.005	0.	0.013	0.005	0.008	0.02	0.04
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/86-09/20/94	15	148.	143.4	170.	96.	490.257	22.142	99.	136.	160.	169.4
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/26/86-07/28/93	3	0.38	0.577	1.16	0.19	0.264	0.514	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/86-07/20/94	3	0.02	0.09	0.23	0.02	0.015	0.121	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/10/86-09/30/93	1	241.	241.	241.	241.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/86-09/20/94	15	99.	104.667	156.	52.	1286.667	35.87	55.6	76.	145.	156.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/26/86-09/20/94	15	56.	401.467	2500.	2.	620337.41	787.615	9.2	30.	290.	2248.

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Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0095

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/26/86-09/20/94	15	1.748	1.914	3.398	0.301	0.661	0.813	0.808	1.477	2.462	3.35
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			82.117								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/26/86-09/20/94	15	3.	22.153	137.	1.	1823.368	42.701	1.06	1.5	18.9	120.44
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	03/26/86-09/20/94	15	0.	0.02	0.3	0.	0.006	0.077	0.	0.	0.	0.12

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Station Inventory for Station: CUVA0096

NPS Station ID: CUVA0096
LAT/LON: 41.201392/ -81.453615
Agency: 112WRD
Date Created: 12/02/81
Location: MEADOWBROOK LK AB DAM (L-1) NR STOW OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 411205081271300
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 04110002055901.86
RF3 Mile Point: 1.92
Distance from RF3: 0.32
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/80-08/29/80	10	21.1	20.44	25.1	12.9	14.536	3.813	13.21	18.1	23.15	25.1
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/02/80-08/29/80	4	1.75	7.375	25.	1.	138.229	11.757	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/02/80-08/29/80	2	47.5	47.5	48.	47.	0.5	0.707	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	06/02/80-08/29/80	4	30.	31.25	60.	5.	572.917	23.936	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/80-08/29/80	10	501.	487.	621.	368.	6189.333	78.672	368.	422.	535.75	613.
00300	OXYGEN, DISSOLVED MG/L	06/02/80-08/29/80	10	8.15	6.39	13.	0.3	27.768	5.27	0.31	0.475	10.45	13.
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	06/02/80-08/29/80	10	94.	76.7	163.	3.	4232.233	65.056	3.1	4.75	126.25	163.
00310	BOD, 5 DAY, 20 DEG C MG/L	06/02/80-08/29/80	4	3.9	4.75	8.	3.2	4.83	2.198	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	06/02/80-08/29/80	4	31.5	35.25	54.	24.	172.917	13.15	**	**	**	**
00400	PH (STANDARD UNITS)	06/02/80-08/29/80	10	7.45	7.64	8.5	7.	0.365	0.604	7.01	7.1	8.225	8.48
00400	CONVERTED PH (STANDARD UNITS)	06/02/80-08/29/80	10	7.382	7.354	8.5	7.	0.455	0.675	7.01	7.1	8.225	8.48
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/02/80-08/29/80	10	0.042	0.044	0.1	0.003	0.002	0.039	0.003	0.006	0.079	0.098
00405	CARBON DIOXIDE (MG/L AS CO2)	06/02/80-08/29/80	4	2.55	9.275	31.	1.	211.703	14.55	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/80-08/29/80	4	97.	104.5	203.	21.	5745.667	75.8	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	06/02/80-08/29/80	4	116.	126.25	248.	25.	8598.917	92.73	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	06/02/80-08/29/80	4	0.	0.5	2.	0.	1.	1.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/02/80-06/02/80	1	362.	362.	362.	362.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/02/80-06/02/80	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/02/80-08/29/80	3	0.9	1.833	3.7	0.9	2.613	1.617	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/02/80-08/29/80	3	0.7	0.74	0.86	0.66	0.011	0.106	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/02/80-08/29/80	3	0.21	1.083	3.	0.04	2.762	1.662	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/02/80-08/29/80	3	0.	0.003	0.01	0.	0.	0.006	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/02/80-08/29/80	3	0.	0.01	0.03	0.	0.	0.017	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/02/80-08/29/80	3	0.9	1.823	3.7	0.87	2.642	1.625	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/02/80-08/29/80	3	0.01	0.013	0.03	0.	0.	0.015	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/02/80-08/29/80	3	0.15	0.307	0.71	0.06	0.124	0.352	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/02/80-08/29/80	4	0.145	0.203	0.41	0.11	0.02	0.14	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/02/80-08/29/80	4	8.8	8.975	11.	7.3	2.862	1.692	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/02/80-06/02/80	1	210.	210.	210.	210.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/02/80-06/02/80	1	190.	190.	190.	190.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/02/80-06/02/80	1	59.	59.	59.	59.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/02/80-06/02/80	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/02/80-06/02/80	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/02/80-06/02/80	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/02/80-06/02/80	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/02/80-06/02/80	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/02/80-08/29/80	4	42.	40.5	45.	33.	27.	5.196	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/02/80-06/02/80	1	58.	58.	58.	58.	0.	0.	**	**	**	**

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Parameter Inventory for Station: CUVA0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/02/80-06/02/80	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/02/80-08/29/80	4	9.5	10.925	19.	5.7	40.356	6.353	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	06/02/80-06/02/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	06/02/80-06/02/80	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	06/02/80-06/02/80	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/02/80-06/02/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/02/80-06/02/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	06/02/80-06/02/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/02/80-06/02/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/02/80-06/02/80	1	820.	820.	820.	820.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/02/80-06/02/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/02/80-06/02/80	1	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	06/02/80-06/02/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/02/80-06/02/80	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	06/02/80-06/02/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/02/80-06/02/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	06/02/80-06/02/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/02/80-08/29/80	4	200.	190.	320.	40.	19866.667	140.949	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/02/80-08/29/80	4	2.239	2.146	2.505	1.602	0.185	0.43	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			139.985								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	06/02/80-08/29/80	4	56.	73.	140.	40.	2094.667	45.768	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	06/02/80-08/29/80	4	1.744	1.809	2.146	1.602	0.058	0.24	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			64.402								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/02/80-06/02/80	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
60050	ALGAE, TOTAL (CELLS/ML)	06/02/80-08/29/80	4	9100.	10450.	22000.	1600.	74196666.667	8613.749	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/02/80-06/02/80	1	361.	361.	361.	361.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/02/80-06/02/80	1	235.	235.	235.	235.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/02/80-06/02/80	1	0.49	0.49	0.49	0.49	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/02/80-08/29/80	3	0.05	0.1	0.23	0.02	0.013	0.114	**	**	**	**
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	06/02/80-08/29/80	3	0.3	1.317	3.6	0.05	3.926	1.981	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	06/02/80-08/29/80	4	0.7	0.725	1.5	0.	0.703	0.838	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/02/80-08/29/80	4	0.445	0.633	1.3	0.34	0.202	0.449	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/02/80-08/29/80	3	4.	8.	16.	4.	48.	6.928	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/02/80-06/02/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: CUVA0096

				Total	Exceed	Prop.	----------7/01-10/31----------			----------11/01-3/14----------			----------3/15-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	4	0	0.00	2	0	0.00				2	0	0.00			
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	10	4	0.40	5	2	0.40				5	2	0.40			
00400	PH	Other-Hi Lim.	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			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	2	0	0.00				1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	2	0	0.00				1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	2	0	0.00				1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	250.	4	0	0.00	2	0	0.00				2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00							1	0	0.00			
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			

& - 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: CUVA0096

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	2	0.50	2	1	0.50				2	1	0.50			
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: CUVA0097

NPS Station ID: CUVA0097
LAT/LON: 41.201392/ -81.573337
Agency: 112WRD
Date Created: 11/06/82
Location: FURNACE RN AT EVERETT OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 411205081342400
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.20
On/Off RF1:
RF3 Index: 04110002002200.00
RF3 Mile Point: 0.45
Distance from RF3: 0.32
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	5	20.	21.1	23.5	19.	4.05	2.012	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	2	8.5	8.5	15.	2.	84.5	9.192	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	5	800.	783.	810.	710.	1720.	41.473	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	5	6.8	6.44	7.4	4.9	1.073	1.036	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	5	79.	71.6	83.	52.	174.3	13.202	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/82-09/15/82	5	7.8	7.87	8.2	7.55	0.059	0.244	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/14/82-09/15/82	5	7.8	7.817	8.2	7.55	0.063	0.251	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-09/15/82	5	0.016	0.015	0.028	0.006	0.	0.008	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/17/82-08/17/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/17/82-08/17/82	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/17/82-08/17/82	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/17/82-08/17/82	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/17/82-08/17/82	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/17/82-08/17/82	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/17/82-08/17/82	1	61.	61.	61.	61.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/17/82-08/17/82	1	3900.	3900.	3900.	3900.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/17/82-08/17/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/17/82-08/17/82	1	17000.	17000.	17000.	17000.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	100.	100.	100.	100.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			100.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	1	2300.	2300.	2300.	2300.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/14/82-09/14/82	1	3.362	3.362	3.362	3.362	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			2300.								
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/17/82-08/17/82	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	2	2.3	2.3	3.8	0.8	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

EPA Water Quality Criteria Analysis for Station: CUVA0097

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
31625	FECAL COLIFORM, MF	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: CUVA0098

NPS Station ID: CUVA0098 LAT/LON: 41.201392/ -81.573616 Agency: 21OHIO Date Created: 03/29/80
Location: FURNACE RUN NR EVERETT - RIVERVIEW RD. FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01P14
RMI-Indexes: 0603002 000680 Within Park Boundary: Yes
RMI-Miles: 0033.08 0000.27
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 26.860 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 05040001028200.00 RF3 Mile Point: 0.00 Distance from RF3: 0.03 On/Off RF3:
Description:
PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS LOCATION-SUMMIT COUNTY; FURNACE RUN AT RIVERVIEW ROAD NEAR EVERETT
RMI=1187.93/33.08/0.27 COLLECTION-OHIO EPA NORTHEAST DIST OFFICE
WATER USE DESIGNATION AS OF 01/23/80-WWH

Parameter Inventory for Station: CUVA0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/12/73-08/15/91	6	17.	16.383	27.	0.5	80.862	8.992	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/12/73-12/12/73	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/84-08/15/91	5	720.	790.	940.	700.	12500.	111.803	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/12/73-09/18/84	5	833.	4118.	17700.	380.	57686223.5	7595.145	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/12/73-08/15/91	6	7.9	8.817	13.2	7.2	5.214	2.283	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	12/12/73-12/12/73	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	12/12/73-12/12/73	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	12/12/73-08/15/91	6	7.8	7.717	8.	7.	0.138	0.371	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/12/73-08/15/91	6	7.8	7.544	8.	7.	0.174	0.417	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/12/73-08/15/91	6	0.016	0.029	0.1	0.01	0.001	0.035	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	12/12/73-12/12/73	1	493.	493.	493.	493.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/12/73-12/12/73	1	493.	493.	493.	493.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/15/91-08/15/91	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/12/73-08/15/91	6 ##	0.025	0.021	0.025	0.	0.	0.01	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/30/84-08/15/91	5 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/12/73-08/15/91	6	0.2	0.183	0.3	0.1	0.006	0.075	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/12/73-08/15/91	6 ##	0.05	0.142	0.6	0.05	0.05	0.225	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/12/73-08/15/91	6 ##	0.025	0.021	0.025	0.	0.	0.01	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/15/91-08/15/91	1	319.	319.	319.	319.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/91-08/15/91	1	93.	93.	93.	93.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/91-08/15/91	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/15/91-08/15/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/15/91-08/15/91	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/15/91-08/15/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/15/91-08/15/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/12/73-09/18/84	2	49.5	49.5	60.	39.	220.5	14.849	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/12/73-09/18/84	2	1.685	1.685	1.778	1.591	0.018	0.132	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			48.374								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	12/12/73-12/12/73	1	34.	34.	34.	34.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	12/12/73-12/12/73	1	1.531	1.531	1.531	1.531	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			34.								

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

Parameter Inventory for Station: CUVA0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/15/91-08/15/91	1	594.	594.	594.	594.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0098

				Total	Exceed	Prop.	----------7/01-10/31----------			----------11/01-3/14----------			----------3/15-6/30----------			----------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	Fresh Acute	4.	6	0	0.00	5	0	0.00	1	0	0.00						
00400	PH	Other-Hi Lim.	9.	6	0	0.00	5	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	6	0	0.00	5	0	0.00	1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	5	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	6	0	0.00	5	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									
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									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00	1	0	0.00	1	0	0.00						

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

Station Inventory for Station: CUVA0099

NPS Station ID: CUVA0099 LAT/LON: 41.201948/ -81.568615 Agency: 21OHIO Date Created: / /
Location: CUYAHOGA R. DST AKRON WWTP - BOLANZ RD (RM 33.2) FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 502010
RMI-Indexes: 0603002 Within Park Boundary: Yes
RMI-Miles: 0033.20
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 29.740 Distance from RF1: 33.50 On/Off RF1: ON
RF3 Index: 05040001118100.00 RF3 Mile Point: 3.74 Distance from RF3: 0.26 On/Off RF3:
Description:
PURPOSE - MEASURES THE INFLUENCE THE AKRON STP HAS ON THE CUYAHOGA R. LOCATION - SUMMIT CO.; ON BOLANZ RD. BRIDGE; SITE CAN BE REACHED BY TAKING PORTAGE TRAIL WEST OFF ROUTE 8 TO AKRON-PENINSULA RD., FOLLOW AKRON-PENINSULA RD. NORTH, BOLANZ RD. IS THE 2ND ROAD ON THE LEFT AFTER AKRON'S STP.

Parameter Inventory for Station: CUVA0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/84-09/10/87	8	21.	21.313	25.	16.	9.067	3.011	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/84-09/10/87	8	766.5	723.5	910.	530.	15239.429	123.448	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/84-09/10/87	8	794.5	764.5	867.	603.	9198.857	95.911	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/84-09/10/87	8	6.35	6.475	7.3	6.	0.196	0.443	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/30/84-09/24/84	5	3.2	3.08	4.1	1.9	0.857	0.926	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	06/24/87-09/10/87	3	23.	21.	30.	10.	103.	10.149	**	**	**	**
00400	PH (STANDARD UNITS)	07/30/84-09/10/87	8	7.55	7.563	7.8	7.4	0.026	0.16	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/30/84-09/10/87	8	7.547	7.538	7.8	7.4	0.026	0.162	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/84-09/10/87	8	0.028	0.029	0.04	0.016	0.	0.01	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/84-08/14/89	11	10.	12.864	49.	2.5	192.455	13.873	2.5	2.5	13.	44.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/30/84-09/10/87	8	0.445	0.47	0.79	0.13	0.047	0.216	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/30/84-09/10/87	8	0.13	0.13	0.17	0.07	0.001	0.039	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/84-09/10/87	8	1.25	1.363	1.8	0.9	0.094	0.307	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/30/84-09/10/87	8	2.9	2.979	4.3	1.98	0.563	0.75	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/84-09/10/87	8	0.405	0.395	0.73	0.15	0.035	0.188	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/84-10/24/89	13	240.	242.462	313.	173.	1311.436	36.214	182.2	223.	262.5	302.2
00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/84-10/24/89	14	68.65	68.229	85.2	51.	76.553	8.749	54.25	63.25	73.275	81.6
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	08/12/85-06/24/87	2	1201.5	1201.5	2390.	13.	2825064.5	1680.793	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/12/85-08/12/85	1	1700.	1700.	1700.	1700.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/30/84-10/24/89	13	16.2	15.592	18.3	11.	5.481	2.341	11.68	13.5	17.7	18.1
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	08/12/85-08/12/85	1 ##	79.	79.	79.	79.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	08/12/85-08/12/85	1	436.	436.	436.	436.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	06/24/87-09/10/87	3	3.	2.667	4.	1.	2.333	1.528	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/12/85-08/12/85	1	4.96	4.96	4.96	4.96	0.	0.	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	08/12/85-08/12/85	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/30/84-10/24/89	14	0.2	0.514	4.	0.1	1.034	1.017	0.1	0.1	0.4	2.3
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/12/85-08/12/85	1	1.14	1.14	1.14	1.14	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/12/85-08/12/85	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/84-09/10/87	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/30/84-10/24/89	14 ##	5.	5.714	10.	5.	3.297	1.816	5.	5.	5.	10.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/12/85-08/12/85	1	13.	13.	13.	13.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: CUVA0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	07/30/84-10/24/89	14	565.	855.714	3290.	270.	804795.604	897.104	305.	397.5	707.5	2915.
01051	LEAD, TOTAL (UG/L AS PB)	07/30/84-09/10/87	8	2.5	3.375	10.	1.	7.982	2.825	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/12/85-08/12/85	1	10.7	10.7	10.7	10.7	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/12/85-08/12/85	1	291.	291.	291.	291.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/24/87-09/10/87	3	125.	115.	135.	85.	700.	26.458	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/30/84-09/10/87	8 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/12/85-08/12/85	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/12/85-08/12/85	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/30/84-10/24/89	14	30.	30.714	75.	10.	337.912	18.382	10.	13.75	41.25	62.5
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/12/85-08/12/85	1	82.	82.	82.	82.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/24/87-09/10/87	3	330.	586.667	1180.	250.	265633.333	515.396	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/12/85-08/12/85	1	2940.	2940.	2940.	2940.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/12/85-08/12/85	1	12600.	12600.	12600.	12600.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/21/84-09/24/84	3	680.	600.	700.	420.	24400.	156.205	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/21/84-09/24/84	3	2.833	2.767	2.845	2.623	0.016	0.125	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			584.726								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/30/84-09/24/84	5 ##	5.	6.	10.	5.	5.	2.236	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/22/87-07/22/87	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/30/84-09/10/87	8	491.	478.	580.	398.	3234.286	56.871	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: CUVA0099

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	8	0	0.00	7	0	0.00				1	0	0.00			
00400	PH	Other-Hi Lim.	9.	8	0	0.00	7	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	7	0	0.00				1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	8	0	0.00	7	0	0.00				1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	8	0	0.00	7	0	0.00				1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	50.	3	0	0.00	2	0	0.00				1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	14	1	0.07	13	1	0.08				1	0	0.00			
		Drinking Water	5.	14	0	0.00	13	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	3	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	14	0	0.00	13	0	0.00				1	0	0.00			
		Drinking Water	1300.	14	0	0.00	13	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	15.	8	0	0.00	7	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	100.	8	0	0.00	7	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	14	0	0.00	13	0	0.00				1	0	0.00			
		Drinking Water	5000.	14	0	0.00	13	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	3	1.00	3	3	1.00									
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	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: CUVA0100

NPS Station ID: CUVA0100 | LAT/LON: 41.202226/ -81.455003 | Agency: 21OHIO | Date Created: 10/06/84
Location: POWERS BROOK AT HUDSON DR. (RM 1.37) | FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): F01S48
RMI-Indexes: 0603002 000890 00200 | Within Park Boundary: No
RMI-Miles: 0039.78 0009.09 001.37
HUC: 04110002 | Depth of Water: 0 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER | ECO Region:
RF1 Index: 04110002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 04110002055900.00 | RF3 Mile Point: 0.66 | Distance from RF3: 0.01 | On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER AND ITS MAJOR TRIBUTARIES.
LOCATION - SUMMIT CO.; LOCATED AT THE HUDSON DRIVE BRIDGE, UPSTREAM FROM THE HUDSON #6 WWTP; JUST WEST OF MEADOWBROOK LAKE.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/84-09/13/84	4	19.5	19.5	21.	18.	3.	1.732	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/05/84-10/05/84	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/84-09/13/84	4	669.	666.25	708.	619.	2344.25	48.417	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/84-09/13/84	4	787.5	770.75	831.	677.	4340.25	65.881	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/02/84-09/13/84	4	6.4	6.425	6.8	6.1	0.083	0.287	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/02/84-09/19/84	5	2.2	2.68	5.2	1.6	2.132	1.46	**	**	**	**
00324	BOD, 20 DAY, 20 DEG C MG/L	08/14/84-09/19/84	4	6.95	7.225	9.6	5.4	4.442	2.108	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	08/02/84-09/19/84	2	19.5	19.5	22.	17.	12.5	3.536	**	**	**	**
00400	PH (STANDARD UNITS)	08/02/84-09/13/84	4	8.	7.85	8.	7.4	0.09	0.3	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/02/84-09/13/84	4	8.	7.758	8.	7.4	0.101	0.318	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/02/84-09/13/84	4	0.01	0.017	0.04	0.01	0.	0.015	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/19/84-09/19/84	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/19/84-09/19/84	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/19/84-09/19/84	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/02/84-09/13/84	4	39.5	39.25	41.	37.	2.917	1.708	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/02/84-09/19/84	5	0.11	0.104	0.15	0.05	0.001	0.037	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/02/84-09/19/84	5 ##	0.01	0.014	0.02	0.01	0.	0.005	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/02/84-09/19/84	5	0.5	0.6	0.9	0.4	0.04	0.2	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/02/84-09/19/84	5	0.2	0.206	0.29	0.1	0.006	0.08	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/02/84-09/19/84	5	0.11	0.108	0.12	0.09	0.	0.013	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/02/84-09/13/84	4	366.5	355.5	372.	317.	673.667	25.955	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/02/84-09/13/84	4	99.1	96.35	101.	86.2	47.13	6.865	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	10/29/85-10/29/85	1	9800.	9800.	9800.	9800.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	10/29/85-10/29/85	1	4340.	4340.	4340.	4340.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/02/84-09/13/84	4	28.55	27.875	29.8	24.6	5.116	2.262	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	10/29/85-10/29/85	1 ##	74.	74.	74.	74.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	10/29/85-10/29/85	1	245.	245.	245.	245.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/84-09/13/84	4	49.5	50.5	55.	48.	9.667	3.109	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/29/85-10/29/85	1	4.07	4.07	4.07	4.07	0.	0.	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/29/85-10/29/85	1	37.5	37.5	37.5	37.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/02/84-09/13/84	4	0.2	0.2	0.3	0.1	0.007	0.082	**	**	**	**

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Parameter Inventory for Station: CUVA0100

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)	10/29/85-10/29/85	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/29/85-10/29/85	1	9.09	9.09	9.09	9.09	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/02/84-09/13/84	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/02/84-09/13/84	4	12.5	11.25	15.	5.	22.917	4.787	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/29/85-10/29/85	1	10.1	10.1	10.1	10.1	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/02/84-09/13/84	4	6.5	6.5	9.	4.	5.667	2.38	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/29/85-10/29/85	1	19.3	19.3	19.3	19.3	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/29/85-10/29/85	1	198.	198.	198.	198.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/02/84-09/13/84	4 ##	20.	35.	80.	20.	900.	30.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/29/85-10/29/85	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/02/84-09/13/84	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	10/29/85-10/29/85	1	12.7	12.7	12.7	12.7	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/02/84-09/13/84	4	30.	46.25	110.	15.	1856.25	43.084	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/29/85-10/29/85	1	47.2	47.2	47.2	47.2	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	10/29/85-10/29/85	1	4060.	4060.	4060.	4060.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/29/85-10/29/85	1	13000.	13000.	13000.	13000.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/02/84-09/13/84	4	275.	397.5	870.	170.	101825.	319.1	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/02/84-09/13/84	4	2.439	2.512	2.94	2.23	0.091	0.302	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			324.964								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/84-09/19/84	5	510.	508.4	600.	430.	3722.8	61.015	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/14/84-09/13/84	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/14/84-09/19/84	4	1.85	2.2	4.6	0.5	3.047	1.745	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/14/84-09/19/84	4	3.55	3.85	6.5	1.8	3.817	1.954	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0100

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	4	0	0.00	4	0	0.00									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	5	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	4	0	0.00									
		Drinking Water	250.	4	0	0.00	4	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00	4	0	0.00									
		Drinking Water	5.	4	0	0.00	4	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	4	0	0.00	4	0	0.00									
		Drinking Water	1300.	4	0	0.00	4	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	4	0	0.00									
		Drinking Water	15.	4	0	0.00	4	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	4	0	0.00									
		Drinking Water	100.	4	0	0.00	4	0	0.00									
01077	SILVER, TOTAL	Fresh Acute	4.1	0 &	0	0.00												
		Drinking Water	100.	4	0	0.00	4	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	4	0	0.00	4	0	0.00									
		Drinking Water	5000.	4	0	0.00	4	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	3	0.75	4	3	0.75									
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: CUVA0101

NPS Station ID: CUVA0101
LAT/LON: 41.202781/ -81.473337
Agency: 21OHIO
Date Created: 02/21/81
Location: MUD BROOK AT STOW - SEASONS RD.
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): F01P25
RMI-Indexes: 0603003 000890
Within Park Boundary: No
RMI-Miles: 0039.78 0008.34
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001116205.08
RF3 Mile Point: 6.63
Distance from RF3: 0.00
On/Off RF3:
Description:
PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS LOCATION-SUMMIT COUNTY; MUD BROOK AT SEASONS ROAD IN STOW
RMI=1187.93/39.78/8.34 COLLECTION-OHIO EPA NORTHEAST DIST OFFICE
WATER USE DESIGNATION AS OF 01/24/80-WWH

Parameter Inventory for Station: CUVA0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/84-09/13/84	4	19.5	19.25	21.	17.	4.25	2.062	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/18/84-10/04/84	2	4.	4.	4.	4.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/84-09/13/84	4	957.5	944.5	981.	882.	1963.	44.306	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/84-09/13/84	4	1007.5	1025.25	1100.	986.	2690.25	51.868	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/02/84-09/13/84	4	2.65	2.675	2.9	2.5	0.042	0.206	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/02/84-09/19/84	5	3.9	4.98	7.8	3.6	3.492	1.869	**	**	**	**
00324	BOD, 20 DAY, 20 DEG C MG/L	09/19/84-09/19/84	1	53.	53.	53.	53.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	08/02/84-09/19/84	2	33.	33.	35.	31.	8.	2.828	**	**	**	**
00400	PH (STANDARD UNITS)	08/02/84-09/13/84	4	7.5	7.5	7.6	7.4	0.007	0.082	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/02/84-09/13/84	4	7.5	7.494	7.6	7.4	0.007	0.082	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/02/84-09/13/84	4	0.032	0.032	0.04	0.025	0.	0.006	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/19/84-09/19/84	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/19/84-09/19/84	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/19/84-09/19/84	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/02/84-09/19/84	5	8.	7.8	11.	5.	5.7	2.387	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/02/84-09/19/84	5	10.	9.42	10.5	7.5	1.587	1.26	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/02/84-09/19/84	5	0.22	0.216	0.24	0.19	0.001	0.025	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/02/84-09/19/84	5	10.	10.02	10.5	9.2	0.262	0.512	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/02/84-09/19/84	5	0.47	0.522	0.85	0.38	0.035	0.188	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/02/84-09/19/84	5	0.28	0.298	0.41	0.24	0.004	0.066	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/02/84-09/19/84	5	261.	263.6	276.	250.	133.3	11.546	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/02/84-09/19/84	5	70.6	72.14	75.9	68.4	11.038	3.322	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	10/29/85-10/29/85	1	34200.	34200.	34200.	34200.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	10/29/85-10/29/85	1	8470.	8470.	8470.	8470.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/02/84-09/19/84	5	20.6	20.24	21.3	19.2	0.813	0.902	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	10/29/85-10/29/85	1	197.	197.	197.	197.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	10/29/85-10/29/85	1	1040.	1040.	1040.	1040.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/84-09/13/84	4	118.	122.75	144.	111.	235.583	15.349	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/29/85-10/29/85	1	8.47	8.47	8.47	8.47	0.	0.	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/29/85-10/29/85	1	74.3	74.3	74.3	74.3	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/19/84-09/19/84	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

Parameter Inventory for Station: CUVA0101

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)	10/29/85-10/29/85	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/29/85-10/29/85	1	10.4	10.4	10.4	10.4	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/19/84-09/19/84	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/19/84-09/19/84	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/29/85-10/29/85	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/19/84-09/19/84	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/29/85-10/29/85	1	13.1	13.1	13.1	13.1	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/29/85-10/29/85	1	544.	544.	544.	544.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	09/19/84-09/19/84	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/29/85-10/29/85	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	10/29/85-10/29/85	1	38.5	38.5	38.5	38.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/19/84-09/19/84	1	160.	160.	160.	160.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/29/85-10/29/85	1	81.3	81.3	81.3	81.3	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	09/19/84-09/19/84	1	290.	290.	290.	290.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	10/29/85-10/29/85	1	8990.	8990.	8990.	8990.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/29/85-10/29/85	1	29000.	29000.	29000.	29000.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/02/84-09/13/84	4	315.	480.	1100.	190.	174733.333	418.011	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/02/84-09/13/84	4	2.497	2.579	3.041	2.279	0.107	0.327	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			378.884								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/84-09/13/84	4	589.	600.5	644.	580.	913.	30.216	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/19/84-09/19/84	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	09/19/84-09/19/84	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0101

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	4	4	1.00	4	4	1.00									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	5	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	4	0	0.00									
		Drinking Water	250.	4	0	0.00	4	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	1	1.00	1	1	1.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	3	0.75	4	3	0.75									

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

Station Inventory for Station: CUVA0102

NPS Station ID: CUVA0102
LAT/LON: 41.208338/ -81.560282
Agency: 112WRD
Date Created: 11/06/82
Location: ROBINSON RN AT EVERETT OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 411230081333700
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 2.40
On/Off RF1:
RF3 Index: 04110002000130.48
RF3 Mile Point: 30.47
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	5	15.5	16.04	17.5	15.	1.283	1.133	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	2	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	5	1450.	1450.	1500.	1400.	2500.	50.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	5	9.6	9.3	9.8	8.7	0.26	0.51	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	5	94.	93.4	99.	85.	29.3	5.413	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/82-09/15/82	5	7.95	7.98	8.05	7.95	0.002	0.045	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/14/82-09/15/82	5	7.95	7.978	8.05	7.95	0.002	0.045	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-09/15/82	5	0.011	0.011	0.011	0.009	0.	0.001	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/17/82-08/17/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/17/82-08/17/82	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/17/82-08/17/82	1	34.	34.	34.	34.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/17/82-08/17/82	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/17/82-08/17/82	1	6900.	6900.	6900.	6900.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/17/82-08/17/82	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/17/82-08/17/82	1	140.	140.	140.	140.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/17/82-08/17/82	1	7800.	7800.	7800.	7800.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/17/82-08/17/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/17/82-08/17/82	1	36000.	36000.	36000.	36000.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	1800.	1800.	1800.	1800.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	3.255	3.255	3.255	3.255	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			1800.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	1	2200.	2200.	2200.	2200.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/14/82-09/14/82	1	3.342	3.342	3.342	3.342	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			2200.								
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/17/82-08/17/82	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	3	1.1	1.133	1.4	0.9	0.063	0.252	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0102

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
31625	FECAL COLIFORM, MF	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: CUVA0103

NPS Station ID: CUVA0103
LAT/LON: 41.208338/ -81.560338
Agency: 11NPSWRD
Date Created: 03/11/95
Location: ROBINSON RUN
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_RORU
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED ON ROBINSON RUN - A TRIBUTARY OF THE CUYAHOGA RIVER. STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/01/84-09/20/94	46	12.	11.511	20.	0.	21.276	4.613	4.7	9.	14.625	17.15
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/84-09/20/94	46	1125.	1059.63	1480.	410.	63249.838	251.495	577.9	982.5	1220.	1296.
00300	OXYGEN, DISSOLVED MG/L	11/01/84-09/20/94	45	9.5	9.811	18.4	5.6	5.213	2.283	7.88	8.5	10.4	11.84
00310	BOD, 5 DAY, 20 DEG C MG/L	04/09/85-07/22/93	11	2.	2.545	9.	1.	5.473	2.339	1.	1.	3.	8.
00400	PH (STANDARD UNITS)	11/01/84-09/20/94	46	7.805	7.825	8.87	7.	0.087	0.295	7.5	7.715	7.953	8.073
00400	CONVERTED PH (STANDARD UNITS)	11/01/84-09/20/94	46	7.805	7.733	8.87	7.	0.096	0.31	7.5	7.715	7.953	8.073
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/01/84-09/20/94	46	0.016	0.019	0.1	0.001	0.	0.015	0.008	0.011	0.019	0.032
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/84-09/20/94	45	218.	209.867	269.	87.	1615.618	40.195	136.6	201.5	236.	242.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/20/94-07/20/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/22/93	14	0.255	0.406	1.63	0.	0.225	0.475	0.035	0.078	0.513	1.405
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/20/94	15	0.02	0.088	0.46	0.01	0.018	0.133	0.01	0.01	0.11	0.364
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/18/86-09/30/93	9	624.	637.111	845.	356.	20027.111	141.517	356.	574.	755.5	845.
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/20/94	44	27.5	29.114	74.	15.	114.987	10.723	18.	23.25	32.75	37.5
01027	CADMIUM, TOTAL (UG/L AS CD)	04/23/85-09/30/93	10 ##	0.05	1.79	15.	0.05	22.137	4.705	0.05	0.05	0.663	13.75
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/85-09/30/93	10 ##	2.	7.7	39.	1.	151.344	12.302	1.	1.	9.25	37.
01042	COPPER, TOTAL (UG/L AS CU)	04/23/85-09/30/93	10	7.5	9.4	24.	0.5	75.544	8.692	0.5	0.875	18.5	23.6
01045	IRON, TOTAL (UG/L AS FE)	04/23/85-09/30/93	10	461.	594.7	1500.	10.	205037.789	452.811	39.5	368.	808.25	1478.
01051	LEAD, TOTAL (UG/L AS PB)	04/23/85-09/30/93	9	1.	3.778	23.	0.5	53.944	7.345	0.5	0.5	3.25	23.
01067	NICKEL, TOTAL (UG/L AS NI)	04/23/85-09/30/93	10	4.5	8.4	26.	1.5	70.656	8.406	1.5	2.625	13.25	25.4
01092	ZINC, TOTAL (UG/L AS ZN)	04/23/85-09/30/93	10	20.5	44.3	148.	4.	2676.9	51.739	4.1	10.25	83.75	145.4
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	45	149.	491.244	3020.	0.	694128.143	833.144	6.4	42.5	315.	2344.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	45	2.173	2.07	3.48	0.	0.73	0.855	0.783	1.628	2.497	3.37
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			117.398								
31648	E. COLI - MTEC-MF N0/100ML	07/17/91-09/20/94	11	94.	420.182	2740.	0.	678776.164	823.879	2.8	14.	425.	2392.
31648	LOG E. COLI - MTEC-MF N0/1	07/17/91-09/20/94	11	1.973	1.896	3.438	0.	0.902	0.95	0.229	1.146	2.628	3.35
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			78.713								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/01/84-09/20/94	44	4.3	35.855	567.	1.9	8758.298	93.586	2.25	2.9	18.35	99.45
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/01/84-09/20/94	46	0.	0.036	0.99	0.	0.024	0.155	0.	0.	0.	0.045

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

EPA Water Quality Criteria Analysis for Station: CUVA0103

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	45	0	0.00	25	0	0.00	4	0	0.00	16	0	0.00			
00400	PH	Other-Hi Lim.	9.	46	0	0.00	25	0	0.00	5	0	0.00	16	0	0.00			
		Other-Lo Lim.	6.5	46	0	0.00	25	0	0.00	5	0	0.00	16	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	44	0	0.00	25	0	0.00	3	0	0.00	16	0	0.00			
		Drinking Water	250.	44	0	0.00	25	0	0.00	3	0	0.00	16	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	10	1	0.10	9	1	0.11				1	0	0.00			
		Drinking Water	5.	10	1	0.10	9	1	0.11				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	10	0	0.00	9	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	10	3	0.30	9	3	0.33				1	0	0.00			
		Drinking Water	1300.	10	0	0.00	9	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	15.	9	1	0.11	8	1	0.13				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	10	0	0.00	9	0	0.00				1	0	0.00			
		Drinking Water	100.	10	0	0.00	9	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	10	2	0.20	9	2	0.22				1	0	0.00			
		Drinking Water	5000.	10	0	0.00	9	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	45	17	0.38	25	12	0.48	4	1	0.25	16	4	0.25			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	11	3	0.27	8	3	0.38				3	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	44	8	0.18	24	3	0.13	5	1	0.20	15	4	0.27			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/01/84-09/20/94	25	14.	13.76	20.	7.	10.815	3.289	8.8	11.	16.	17.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/84-09/20/94	25	1150.	1118.8	1480.	420.	45594.333	213.528	818.	1015.	1250.	1326.
00300	OXYGEN, DISSOLVED MG/L	11/01/84-09/20/94	25	8.7	9.56	18.4	5.6	7.618	2.76	7.16	8.35	9.9	13.64
00310	BOD, 5 DAY, 20 DEG C MG/L	04/09/85-07/22/93	9	2.	2.556	9.	1.	6.778	2.603	1.	1.	3.	9.
00400	PH (STANDARD UNITS)	11/01/84-09/20/94	25	7.8	7.816	8.13	7.43	0.027	0.165	7.5	7.795	7.9	8.046
00400	CONVERTED PH (STANDARD UNITS)	11/01/84-09/20/94	25	7.8	7.784	8.13	7.43	0.028	0.168	7.5	7.795	7.9	8.046
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/01/84-09/20/94	25	0.016	0.016	0.037	0.007	0.	0.007	0.009	0.013	0.016	0.032
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/84-09/20/94	24	231.	222.917	269.	87.	1162.949	34.102	192.	212.	237.75	249.
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/22/93	11	0.11	0.31	1.63	0.	0.212	0.461	0.014	0.07	0.39	1.392
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/20/94	12	0.02	0.088	0.46	0.01	0.021	0.144	0.01	0.01	0.1	0.412
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/20/94	25	27.	27.8	59.	15.	69.	8.307	18.6	23.5	31.	34.4
01027	CADMIUM, TOTAL (UG/L AS CD)	04/23/85-09/30/93	9 ##	0.05	1.983	15.	0.05	24.483	4.948	0.05	0.05	1.275	15.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/85-09/30/93	9 ##	2.	8.333	39.	1.	165.75	12.874	1.	1.	12.5	39.
01042	COPPER, TOTAL (UG/L AS CU)	04/23/85-09/30/93	9	10.	10.333	24.	0.5	75.188	8.671	0.5	2.25	19.	24.
01045	IRON, TOTAL (UG/L AS FE)	04/23/85-09/30/93	9	456.	606.222	1500.	10.	229173.944	478.721	10.	347.	965.5	1500.
01067	NICKEL, TOTAL (UG/L AS NI)	04/23/85-09/30/93	9	4.	8.333	26.	1.5	79.438	8.913	1.5	2.25	15.5	26.
01092	ZINC, TOTAL (UG/L AS ZN)	04/23/85-09/30/93	9	18.	41.333	148.	4.	2912.5	53.968	4.	8.5	73.5	148.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	25	176.	584.4	3020.	0.	756107.667	869.545	63.	96.	600.	2486.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	25	2.246	2.344	3.48	0.	0.502	0.708	1.799	1.982	2.762	3.395
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			220.587								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/01/84-09/20/94	24	3.75	25.408	218.	2.4	2901.783	53.868	2.75	2.925	17.4	113.2
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/01/84-09/20/94	25	0.	0.049	0.99	0.	0.041	0.201	0.	0.	0.	0.092

** - Less than 9 observations ## - Computed 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: 11/01 to 3/14 - Station CUVA0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/01/84-09/20/94	5	5.6	5.24	10.6	0.	14.608	3.822	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/84-09/20/94	5	1210.	1090.	1320.	440.	136150.	368.985	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/01/84-09/20/94	4	10.55	10.425	11.	9.6	0.483	0.695	**	**	**	**
00400	PH (STANDARD UNITS)	11/01/84-09/20/94	5	8.01	8.228	8.87	7.77	0.254	0.504	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/01/84-09/20/94	5	8.01	8.045	8.87	7.77	0.295	0.544	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/01/84-09/20/94	5	0.01	0.009	0.017	0.001	0.	0.007	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/84-09/20/94	5	232.	202.	244.	93.	3960.5	62.933	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/22/93	1	0.36	0.36	0.36	0.36	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/20/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/20/94	3	40.	48.	74.	30.	532.	23.065	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	4	17.5	82.25	290.	4.	19226.917	138.661	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	4	1.239	1.385	2.462	0.602	0.608	0.78	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			24.288								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/01/84-09/20/94	5	4.4	22.68	99.	1.9	1821.317	42.677	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/01/84-09/20/94	5	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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/01/84-09/20/94	16	10.75	9.956	17.5	0.	18.511	4.302	2.45	8.85	12.875	15.05
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/84-09/20/94	16	995.	957.688	1270.	410.	63264.229	251.524	475.1	900.	1157.5	1235.
00300	OXYGEN, DISSOLVED MG/L	11/01/84-09/20/94	16	9.6	10.05	14.4	8.2	2.739	1.655	8.41	8.75	11.15	13.07
00310	BOD, 5 DAY, 20 DEG C MG/L	04/09/85-07/22/93	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
00400	PH (STANDARD UNITS)	11/01/84-09/20/94	16	7.785	7.713	8.08	7.	0.083	0.288	7.294	7.5	7.958	8.024
00400	CONVERTED PH (STANDARD UNITS)	11/01/84-09/20/94	16	7.785	7.607	8.08	7.	0.095	0.308	7.294	7.5	7.957	8.024

** - 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: 3/15 to 6/30 - Station CUVA0103

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	11/01/84-09/20/94	16	0.016	0.025	0.1	0.008	0.	0.022	0.009	0.011	0.032	0.057
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/84-09/20/94	16	203.5	192.75	229.	109.	1294.2	35.975	117.4	187.25	216.25	229.
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/22/93	2	0.955	0.955	1.18	0.73	0.101	0.318	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/20/94	2	0.13	0.13	0.2	0.06	0.01	0.099	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/20/94	16	26.	27.625	47.	15.	71.717	8.469	15.7	22.25	34.	38.6
01027	CADMIUM, TOTAL (UG/L AS CD)	04/23/85-09/30/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/85-09/30/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/23/85-09/30/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/23/85-09/30/93	1	491.	491.	491.	491.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/23/85-09/30/93	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/23/85-09/30/93	1	71.	71.	71.	71.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	16	48.5	447.938	2700.	0.	761420.729	872.594	2.8	18.75	192.5	2420.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	16	1.685	1.813	3.431	0.	0.898	0.948	0.421	1.251	2.283	3.383
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			64.972								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/01/84-09/20/94	15	4.7	56.96	567.	1.9	20886.58	144.522	1.96	2.4	58.	286.74
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/01/84-09/20/94	16	0.	0.028	0.3	0.	0.007	0.082	0.	0.	0.	0.195

** - 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

Station Inventory for Station: CUVA0104

NPS Station ID: CUVA0104
LAT/LON: 41.211393/ -81.556115
Agency: 112WRD
Date Created: 11/06/82
Location: LANGES RN AT EVERETT OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 411241081332200
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.20
On/Off RF1:
RF3 Index: 04110002057500.19
RF3 Mile Point: 0.18
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	5	16.	16.54	20.	13.5	6.658	2.58	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	5	1350.	1408.	1690.	1300.	26570.	163.003	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	5	6.7	7.12	9.3	5.7	2.412	1.553	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	5	67.	71.8	88.	62.	127.7	11.3	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/82-09/15/82	5	7.9	7.9	7.95	7.8	0.004	0.061	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/14/82-09/15/82	5	7.9	7.896	7.95	7.8	0.004	0.061	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-09/15/82	5	0.013	0.013	0.016	0.011	0.	0.002	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/17/82-08/17/82	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/17/82-08/17/82	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/17/82-08/17/82	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/17/82-08/17/82	1	1200.	1200.	1200.	1200.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/17/82-08/17/82	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/17/82-08/17/82	1	82.	82.	82.	82.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/17/82-08/17/82	1	3900.	3900.	3900.	3900.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/17/82-08/17/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/17/82-08/17/82	1	16000.	16000.	16000.	16000.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/17/82-08/17/82	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	3	4.1	5.467	10.8	1.5	23.023	4.798	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: CUVA0104

			Total	Exceed	Prop.	7/01-10/31			11/01-3/14			3/15-6/30			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	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									

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

Station Inventory for Station: CUVA0105

NPS Station ID: CUVA0105
LAT/LON: 41.211504/ -81.555976
Agency: 11NPSWRD
Date Created: 03/11/95
Location: LANGES RUN
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_LARU
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED ON LANGES RUN - A TRIBUTARY OF THE CUYAHOGA RIVER. STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0105

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/01/84-09/20/94	46	12.5	11.493	18.5	0.	18.02	4.245	4.85	9.	14.5	17.15
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/84-09/20/94	46	1160.	1124.457	1820.	320.	81760.254	285.937	617.	1040.	1260.	1393.
00300	OXYGEN, DISSOLVED MG/L	11/01/84-09/20/94	45	9.2	9.484	17.6	6.	4.666	2.16	6.72	8.5	10.05	12.28
00310	BOD, 5 DAY, 20 DEG C MG/L	04/09/85-07/22/93	10	2.	2.3	8.	1.	4.456	2.111	1.	1.	2.25	7.5
00400	PH (STANDARD UNITS)	11/01/84-09/20/94	46	7.77	7.785	8.92	7.	0.108	0.329	7.414	7.6	7.91	8.054
00400	CONVERTED PH (STANDARD UNITS)	11/01/84-09/20/94	46	7.77	7.682	8.92	7.	0.119	0.345	7.414	7.6	7.91	8.054
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/01/84-09/20/94	46	0.017	0.021	0.1	0.001	0.	0.016	0.009	0.012	0.025	0.039
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/84-09/20/94	46	216.	204.391	267.	71.	1390.51	37.29	159.8	196.5	220.	231.5
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/20/94-07/20/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/22/93	14	0.24	0.416	1.86	0.	0.27	0.52	0.035	0.07	0.538	1.52
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/20/94	14	0.02	0.056	0.38	0.01	0.01	0.1	0.01	0.01	0.043	0.265
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/18/86-09/30/93	9	630.	608.556	755.	261.	21322.528	146.022	261.	567.5	705.	755.
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/20/94	44	39.5	41.295	92.	18.	157.887	12.565	24.5	35.	48.	53.5
01027	CADMIUM, TOTAL (UG/L AS CD)	04/23/85-09/30/93	9 ##	0.05	0.428	2.5	0.05	0.703	0.838	0.05	0.05	0.525	2.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/85-09/30/93	10 ##	2.	4.7	20.	1.	38.456	6.201	1.	1.	6.5	19.1
01042	COPPER, TOTAL (UG/L AS CU)	04/23/85-09/30/93	10	2.	5.5	31.	1.	87.389	9.348	1.	1.	4.75	28.9
01045	IRON, TOTAL (UG/L AS FE)	04/23/85-09/30/93	10	634.5	668.2	1060.	226.	67589.956	259.981	246.4	516.25	868.	1057.
01051	LEAD, TOTAL (UG/L AS PB)	04/23/85-09/30/93	10	1.25	2.3	8.	0.5	6.011	2.452	0.5	0.5	3.5	7.7
01067	NICKEL, TOTAL (UG/L AS NI)	04/23/85-09/30/93	10	4.	6.6	20.	1.5	34.878	5.906	1.5	2.625	10.5	19.2
01092	ZINC, TOTAL (UG/L AS ZN)	04/23/85-09/30/93	10	24.5	96.3	611.	4.	33890.233	184.093	4.7	13.25	88.75	559.9
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	44	62.5	474.136	9000.	0.	2028697.748	1424.324	9.	15.25	227.5	1081.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	44	1.796	1.872	3.954	0.	0.678	0.824	0.952	1.183	2.355	3.03
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			74.433								
31648	E. COLI - MTEC-MF N0/100ML	07/17/91-09/20/94	11	82.	716.182	6450.	8.	3640881.164	1908.109	10.	23.	340.	5261.4
31648	LOG E. COLI - MTEC-MF N0/1	07/17/91-09/20/94	11	1.914	2.04	3.81	0.903	0.64	0.8	0.974	1.362	2.531	3.589
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			109.546								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/01/84-09/20/94	45	5.	30.849	628.	1.4	10351.166	101.741	2.7	3.25	9.75	60.
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/01/84-09/20/94	46	0.	0.036	0.99	0.	0.024	0.155	0.	0.	0.	0.045

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

EPA Water Quality Criteria Analysis for Station: CUVA0105

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	45	0	0.00	25	0	0.00	4	0	0.00	16	0	0.00			
00400	PH	Other-Hi Lim.	9.	46	0	0.00	25	0	0.00	5	0	0.00	16	0	0.00			
		Other-Lo Lim.	6.5	46	0	0.00	25	0	0.00	5	0	0.00	16	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	44	0	0.00	25	0	0.00	3	0	0.00	16	0	0.00			
		Drinking Water	250.	44	0	0.00	25	0	0.00	3	0	0.00	16	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	5.	9	0	0.00	8	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	10	0	0.00	9	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	10	1	0.10	9	1	0.11				1	0	0.00			
		Drinking Water	1300.	10	0	0.00	9	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	10	0	0.00	9	0	0.00				1	0	0.00			
		Drinking Water	15.	10	0	0.00	9	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	10	0	0.00	9	0	0.00				1	0	0.00			
		Drinking Water	100.	10	0	0.00	9	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	10	1	0.10	9	1	0.11				1	0	0.00			
		Drinking Water	5000.	10	0	0.00	9	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	44	11	0.25	25	6	0.24	4	1	0.25	15	4	0.27			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	11	4	0.36	8	4	0.50				3	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	45	4	0.09	24	1	0.04	5	1	0.20	16	2	0.13			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0105

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/01/84-09/20/94	25	13.	13.36	18.5	8.	7.865	2.804	9.	11.75	15.	18.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/84-09/20/94	25	1180.	1136.	1520.	320.	45883.333	214.204	960.	1075.	1240.	1326.
00300	OXYGEN, DISSOLVED MG/L	11/01/84-09/20/94	25	9.2	9.588	17.6	6.	6.053	2.46	6.9	8.45	9.8	13.4
00400	PH (STANDARD UNITS)	11/01/84-09/20/94	25	7.73	7.727	8.18	7.22	0.045	0.213	7.4	7.6	7.895	7.974
00400	CONVERTED PH (STANDARD UNITS)	11/01/84-09/20/94	25	7.73	7.675	8.18	7.22	0.048	0.22	7.4	7.6	7.895	7.974
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/01/84-09/20/94	25	0.019	0.021	0.06	0.007	0.	0.012	0.011	0.013	0.025	0.04
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/84-09/20/94	25	219.	213.12	244.	93.	733.777	27.088	195.4	214.	221.	230.
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/22/93	11	0.19	0.328	1.86	0.	0.277	0.526	0.014	0.07	0.28	1.586
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/20/94	11 ##	0.01	0.053	0.38	0.01	0.012	0.109	0.01	0.01	0.04	0.314
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/20/94	25	39.	40.84	58.	21.	90.223	9.499	22.8	37.	47.5	53.4
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/85-09/30/93	9	2.	5.111	20.	1.	41.361	6.431	1.	1.	8.	20.
01042	COPPER, TOTAL (UG/L AS CU)	04/23/85-09/30/93	9	2.	5.889	31.	1.	96.611	9.829	1.	1.	6.5	31.
01045	IRON, TOTAL (UG/L AS FE)	04/23/85-09/30/93	9	711.	680.444	1060.	226.	74352.028	272.676	226.	487.5	922.	1060.
01051	LEAD, TOTAL (UG/L AS PB)	04/23/85-09/30/93	9	1.5	2.444	8.	0.5	6.528	2.555	0.5	0.5	4.	8.
01067	NICKEL, TOTAL (UG/L AS NI)	04/23/85-09/30/93	9	3.	6.	20.	1.5	35.188	5.932	1.5	2.25	8.5	20.
01092	ZINC, TOTAL (UG/L AS ZN)	04/23/85-09/30/93	9	18.	98.889	611.	4.	38051.111	195.067	4.	12.5	92.5	611.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	25	61.	271.	2100.	0.	238887.167	488.761	6.4	17.5	215.	1008.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	25	1.785	1.853	3.322	0.	0.626	0.791	0.783	1.241	2.329	2.997
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			71.204								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/01/84-09/20/94	24	5.1	17.492	283.2	2.2	3212.467	56.679	2.85	3.75	8.3	13.
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/01/84-09/20/94	25	0.	0.049	0.99	0.	0.041	0.201	0.	0.	0.	0.092

** - Less than 9 observations ## - Computed 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: 11/01 to 3/14 - Station CUVA0105

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/01/84-09/20/94	5	5.	6.	15.	0.	30.5	5.523	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/84-09/20/94	5	1360.	1296.	1820.	440.	288280.	536.917	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/01/84-09/20/94	4	10.3	9.9	10.5	8.5	0.887	0.942	**	**	**	**
00400	PH (STANDARD UNITS)	11/01/84-09/20/94	5	8.38	8.38	8.92	7.88	0.212	0.46	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/01/84-09/20/94	5	8.38	8.207	8.92	7.88	0.249	0.499	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/01/84-09/20/94	5	0.004	0.006	0.013	0.001	0.	0.005	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/84-09/20/94	5	235.	203.	267.	71.	6018.5	77.579	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/22/93	1	0.36	0.36	0.36	0.36	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/20/94	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/20/94	3	43.	55.333	92.	31.	1044.333	32.316	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	4	49.5	261.	930.	15.	199648.667	446.821	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	4	1.621	1.847	2.968	1.176	0.648	0.805	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			70.271								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/01/84-09/20/94	5	3.9	22.8	99.	1.4	1818.605	42.645	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/01/84-09/20/94	5	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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0105

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/01/84-09/20/94	16	10.5	10.294	17.5	2.	15.941	3.993	3.75	8.275	13.	15.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/84-09/20/94	16	1120.	1052.813	1470.	435.	79486.563	281.934	508.5	1002.5	1197.5	1365.
00300	OXYGEN, DISSOLVED MG/L	11/01/84-09/20/94	16	9.	9.219	13.2	6.2	3.686	1.92	6.48	8.35	9.875	12.64
00400	PH (STANDARD UNITS)	11/01/84-09/20/94	16	7.73	7.689	8.	7.	0.062	0.249	7.294	7.6	7.853	7.993
00400	CONVERTED PH (STANDARD UNITS)	11/01/84-09/20/94	16	7.729	7.605	8.	7.	0.07	0.264	7.294	7.6	7.852	7.993
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/01/84-09/20/94	16	0.019	0.025	0.1	0.01	0.	0.021	0.01	0.014	0.025	0.057
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/84-09/20/94	16	198.	191.188	224.	107.	1078.963	32.848	117.5	185.5	213.75	219.8

** - 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: 3/15 to 6/30 - Station CUVA0105

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/22/93	2	0.93	0.93	1.18	0.68	0.125	0.354	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/20/94	2	0.095	0.095	0.15	0.04	0.006	0.078	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/20/94	16	38.5	39.375	61.	18.	125.317	11.194	22.9	32.	48.75	54.7
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/85-09/30/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/23/85-09/30/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/23/85-09/30/93	1	558.	558.	558.	558.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/23/85-09/30/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/23/85-09/30/93	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/23/85-09/30/93	1	73.	73.	73.	73.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	15	64.	869.533	9000.	4.	5524526.124	2350.431	7.6	12.	290.	5220.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	15	1.806	1.911	3.954	0.602	0.869	0.932	0.841	1.079	2.462	3.641
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			81.382								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/01/84-09/20/94	16	3.95	53.4	628.	2.1	24103.161	155.252	2.52	2.9	30.	258.33
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/01/84-09/20/94	16	0.	0.028	0.3	0.	0.007	0.082	0.	0.	0.	0.195

** - 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

Station Inventory for Station: CUVA0106

NPS Station ID: CUVA0106 LAT/LON: 41.213892/ -81.466115 Agency: 21OHIO Date Created: 10/06/84
Location: POWERS BR DST HUDSON #6 WWTP- SOD FARM RD RM=0.3 FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S46
RMI-Indexes: 0603002 000890 00200 Within Park Boundary: No
RMI-Miles: 0039.78 0009.09 000.30
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002002006.35 RF3 Mile Point: 6.35 Distance from RF3: 0.01 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER AND ITS MAJOR TRIBUTARIES.
LOCATION - SUMMIT CO.; LOCATED JUST UPSTREAM FROM THE SOD FARM ROAD BRIDGE, DOWNSTREAM FROM THE HUDSON #6 WWTP.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/84-09/13/84	4	20.	20.	22.	18.	3.333	1.826	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/84-09/13/84	4	870.	878.25	954.	819.	4538.917	67.371	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/84-09/13/84	4	982.	966.5	1020.	882.	3495.	59.119	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/02/84-09/13/84	4	3.05	3.025	3.1	2.9	0.009	0.096	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/02/84-09/13/84	4	6.2	6.25	9.3	3.3	10.17	3.189	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	08/02/84-08/02/84	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/02/84-09/13/84	4	7.55	7.575	7.7	7.5	0.009	0.096	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/02/84-09/13/84	4	7.547	7.567	7.7	7.5	0.009	0.096	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/02/84-09/13/84	4	0.028	0.027	0.032	0.02	0.	0.006	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/02/84-09/13/84	4	9.	8.625	14.	2.5	22.229	4.715	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/02/84-09/13/84	4	7.6	7.25	7.8	6.	0.73	0.854	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/02/84-09/13/84	4	0.325	0.318	0.35	0.27	0.001	0.034	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/02/84-09/13/84	4	8.95	8.65	9.2	7.5	0.603	0.777	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/02/84-09/13/84	4	0.7	0.683	0.7	0.63	0.001	0.035	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/02/84-09/13/84	4	0.375	0.383	0.46	0.32	0.004	0.064	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/02/84-09/13/84	4	293.	291.75	309.	272.	240.917	15.521	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/02/84-09/13/84	4	79.45	79.	83.4	73.7	16.993	4.122	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/02/84-09/13/84	4	23.1	23.	24.4	21.4	1.52	1.233	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/84-09/13/84	4	95.5	98.	108.	93.	47.333	6.88	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/02/84-09/13/84	4 ##	0.2	0.25	0.5	0.1	0.037	0.191	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/02/84-09/13/84	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/02/84-09/13/84	4 ##	7.5	7.5	10.	5.	8.333	2.887	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/02/84-09/13/84	4	2.5	2.75	4.	2.	0.917	0.957	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/02/84-09/13/84	4 ##	20.	25.	40.	20.	100.	10.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/02/84-09/13/84	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/02/84-09/13/84	4	87.5	87.5	120.	55.	741.667	27.234	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/02/84-09/13/84	4	290.	387.5	770.	200.	66825.	258.505	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/02/84-09/13/84	4	2.462	2.528	2.886	2.301	0.063	0.251	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			337.349								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/84-09/13/84	4	575.	570.25	595.	536.	722.917	26.887	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/14/84-09/13/84	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: CUVA0106

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	4	4	1.00	4	4	1.00									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	0	0.00	4	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	4	0	0.00									
		Drinking Water	250.	4	0	0.00	4	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00	4	0	0.00									
		Drinking Water	5.	4	0	0.00	4	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	4	0	0.00	4	0	0.00									
		Drinking Water	1300.	4	0	0.00	4	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	4	0	0.00									
		Drinking Water	15.	4	0	0.00	4	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	4	0	0.00									
		Drinking Water	100.	4	0	0.00	4	0	0.00									
01077	SILVER, TOTAL	Fresh Acute	4.1	0 &	0	0.00												
		Drinking Water	100.	4	0	0.00	4	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	4	1	0.25	4	1	0.25									
		Drinking Water	5000.	4	0	0.00	4	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	4	1.00	4	4	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: CUVA0107

NPS Station ID: CUVA0107
LAT/LON: 41.217338/ -81.562226
Agency: 11NPSWRD
Date Created: 03/11/95
Location: RAILROAD CREEK
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_RACR
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED ON RAILROAD CREEK - A TRIBUTARY OF THE CUYAHOGA RIVER.
STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/89-09/09/93	14	16.5	14.571	21.	5.	36.764	6.063	5.	7.25	19.	21.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/09/93	37	280.	317.865	700.	70.	23475.176	153.216	164.	200.	432.5	560.
00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/09/93	35	8.	8.52	16.	1.3	12.794	3.577	3.52	6.4	11.	13.4
00310	BOD, 5 DAY, 20 DEG C MG/L	05/28/87-07/14/93	6	2.	1.667	2.	1.	0.267	0.516	**	**	**	**
00400	PH (STANDARD UNITS)	01/14/87-09/09/93	35	7.05	6.99	7.77	2.27	0.839	0.916	6.372	6.8	7.48	7.6
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-09/09/93	35	7.05	3.814	7.77	2.27	11.224	3.35	6.372	6.8	7.48	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-09/09/93	35	0.089	153.551	5370.318	0.017	823973.333	907.73	0.025	0.033	0.158	0.426
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/09/93	36	45.	44.25	76.	29.	123.279	11.103	30.	35.	50.	58.1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/87-07/14/93	9	0.41	0.399	0.64	0.2	0.016	0.127	0.2	0.32	0.475	0.64
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/16/87-07/14/93	9 ##	0.01	0.028	0.11	0.01	0.001	0.033	0.01	0.01	0.035	0.11
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/87-09/09/93	9	111.	150.667	281.	64.	5096.	71.386	64.	103.5	214.	281.
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/09/93	37	24.	31.054	68.	10.	289.108	17.003	12.8	17.5	46.	61.2
01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/87-09/09/93	7 ##	0.05	1.386	4.	0.05	2.97	1.723	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/87-09/09/93	7 ##	2.	4.429	17.	1.	33.286	5.769	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/29/87-09/09/93	7	5.	8.571	37.	2.	160.952	12.687	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/29/87-09/09/93	7	293.	531.286	2220.	43.	578317.905	760.472	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/29/87-09/09/93	7 ##	0.5	1.357	4.	0.5	1.726	1.314	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/29/87-09/09/93	7	3.	5.143	20.	1.5	43.726	6.613	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/29/87-09/09/93	7	21.	33.429	108.	4.	1431.952	37.841	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/09/93	36	13.5	161.639	4200.	0.	482686.294	694.756	0.	4.	107.5	147.9
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/09/93	36	1.115	1.218	3.623	0.	0.767	0.876	0.	0.602	2.031	2.162
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			16.506								
31648	E. COLI - MTEC-MF N0/100ML	07/02/91-09/09/93	8	62.5	76.875	208.	0.	5966.125	77.241	**	**	**	**
31648	LOG E. COLI - MTEC-MF N0/1	07/02/91-09/09/93	8	1.685	1.498	2.318	0.	0.625	0.791	**	**	**	**
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			31.487								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/09/93	37	1.5	5.127	73.5	0.4	176.812	13.297	0.5	1.	3.75	6.36
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/09/93	37	0.	0.02	0.47	0.	0.007	0.084	0.	0.	0.	0.026

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: CUVA0107

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	35	3	0.09	19	3	0.16	4	0	0.00	12	0	0.00			
00400	PH	Other-Hi Lim.	9.	35	0	0.00	18	0	0.00	4	0	0.00	13	0	0.00			
		Other-Lo Lim.	6.5	35	4	0.11	18	4	0.22	4	0	0.00	13	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	37	0	0.00	19	0	0.00	4	0	0.00	14	0	0.00			
		Drinking Water	250.	37	0	0.00	19	0	0.00	4	0	0.00	14	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	7	1	0.14	6	1	0.17				1	0	0.00			
		Drinking Water	5.	7	0	0.00	6	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	7	0	0.00	6	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	7	1	0.14	6	1	0.17				1	0	0.00			
		Drinking Water	1300.	7	0	0.00	6	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	7	0	0.00	6	0	0.00				1	0	0.00			
		Drinking Water	15.	7	0	0.00	6	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	7	0	0.00	6	0	0.00				1	0	0.00			
		Drinking Water	100.	7	0	0.00	6	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	7	0	0.00	6	0	0.00				1	0	0.00			
		Drinking Water	5000.	7	0	0.00	6	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	36	2	0.06	19	2	0.11	4	0	0.00	13	0	0.00			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	8	2	0.25	6	2	0.33				2	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	37	1	0.03	19	1	0.05	4	0	0.00	14	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/09/93	19	400.	389.947	700.	140.	25632.275	160.101	210.	220.	500.	610.
00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/09/93	19	7.2	7.263	16.	1.3	14.494	3.807	2.	4.8	8.2	13.4
00400	PH (STANDARD UNITS)	01/14/87-09/09/93	18	6.895	6.64	7.56	2.27	1.322	1.15	5.924	6.55	7.088	7.488
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-09/09/93	18	6.894	3.525	7.56	2.27	11.596	3.405	5.924	6.55	7.087	7.488
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-09/09/93	18	0.128	298.517	5370.318	0.028	1602134.701	1265.755	0.033	0.083	0.288	537.453
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/09/93	18	45.5	44.833	76.	29.	169.794	13.031	29.9	34.25	50.75	69.7
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/09/93	19	41.	38.316	68.	12.	328.006	18.111	14.	22.	51.	66.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/09/93	19	51.	284.211	4200.	2.	903370.064	950.458	4.	6.	121.	208.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/09/93	19	1.708	1.59	3.623	0.301	0.661	0.813	0.602	0.778	2.083	2.318
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			38.93								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/09/93	19	1.3	5.742	73.5	0.4	271.791	16.486	0.4	1.	3.7	6.2
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/09/93	19	0.	0.039	0.47	0.	0.013	0.115	0.	0.	0.	0.21

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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/09/93	4	275.	325.	550.	200.	23766.667	154.164	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/09/93	4	10.7	10.8	13.4	8.4	4.24	2.059	**	**	**	**
00400	PH (STANDARD UNITS)	01/14/87-09/09/93	4	7.53	7.453	7.6	7.15	0.043	0.208	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-09/09/93	4	7.527	7.411	7.6	7.15	0.046	0.214	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-09/09/93	4	0.03	0.039	0.071	0.025	0.	0.022	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/09/93	4	37.	38.	48.	30.	61.333	7.832	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/09/93	4	28.5	31.25	52.	16.	239.583	15.478	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/09/93	4	1.5	33.	129.	0.	4096.667	64.005	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/09/93	4	0.151	0.603	2.111	0.	1.03	1.015	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.008								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/09/93	4	0.65	2.2	7.	0.5	10.26	3.203	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/09/93	4	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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/09/93	14	200.	218.	330.	70.	5682.923	75.385	100.	177.5	292.5	330.
00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/09/93	12	9.05	9.75	15.8	5.9	8.403	2.899	6.32	7.6	11.825	15.05
00400	PH (STANDARD UNITS)	01/14/87-09/09/93	13	7.44	7.332	7.77	6.8	0.111	0.333	6.8	6.99	7.59	7.73
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-09/09/93	13	7.44	7.208	7.77	6.8	0.128	0.358	6.8	6.99	7.59	7.73
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-09/09/93	13	0.036	0.062	0.158	0.017	0.003	0.051	0.019	0.026	0.102	0.158
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/09/93	14	45.5	45.286	63.	32.	82.066	9.059	32.5	38.	51.25	59.5
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/09/93	14	19.	21.143	47.	10.	108.286	10.406	11.	13.75	22.75	43.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/09/93	13	8.	22.077	125.	0.	1351.41	36.762	0.	0.	24.	104.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/09/93	13	0.903	0.862	2.097	0.	0.507	0.712	0.	0.	1.361	2.003
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.281								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/09/93	14	2.	5.129	40.8	0.6	107.75	10.38	0.85	1.275	4.525	23.3
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/09/93	14	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

Station Inventory for Station: CUVA0108

NPS Station ID: CUVA0108 LAT/LON: 41.217504/ -81.471115 Agency: 21OHIO Date Created: 10/06/84
Location: MUD BROOK UPST POWERS BROOK - BARLOW RD RM=9.44 FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S45
RMI-Indexes: 0603002 000890 Within Park Boundary: No
RMI-Miles: 0039.78 0009.44
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 21.50 On/Off RF1:
RF3 Index: 04110002063505.58 RF3 Mile Point: 6.51 Distance from RF3: 0.05 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER AND ITS MAJOR TRIBUTARIES.
LOCATION - SUMMIT CO.; LOCATED AT THE BARLOW RD. BRIDGE, 3.7 MILES NORTH OF CUYAHOGA FALLS; UPSTREAM FROM THE CONFLUENCE OF POWERS BROOK.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/84-09/13/84	4	17.	17.25	20.	15.	4.917	2.217	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/84-09/13/84	4	310.	299.75	327.	252.	1248.25	35.331	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/84-09/13/84	4	341.5	344.	373.	320.	658.	25.652	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/02/84-09/13/84	4	0.2	0.175	0.2	0.1	0.003	0.05	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/02/84-09/13/84	4	3.7	3.8	4.2	3.6	0.08	0.283	**	**	**	**
00324	BOD, 20 DAY, 20 DEG C MG/L	08/02/84-09/13/84	4	14.	13.75	14.	13.	0.25	0.5	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	08/02/84-08/02/84	1	107.	107.	107.	107.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/02/84-09/13/84	4	6.5	6.5	6.7	6.3	0.033	0.183	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/02/84-09/13/84	4	6.489	6.472	6.7	6.3	0.034	0.185	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/02/84-09/13/84	4	0.325	0.338	0.501	0.2	0.019	0.138	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/02/84-09/13/84	4	12.5	13.25	17.	11.	6.917	2.63	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/02/84-09/13/84	4	0.23	0.24	0.3	0.2	0.002	0.045	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/02/84-09/13/84	4 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/02/84-09/13/84	4	2.8	3.	4.	2.4	0.48	0.693	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/02/84-09/13/84	4 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/02/84-09/13/84	4	0.225	0.194	0.3	0.025	0.014	0.12	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/02/84-09/13/84	4	132.	130.75	140.	119.	75.583	8.694	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/02/84-09/13/84	4	39.95	39.75	42.9	36.2	7.55	2.748	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/02/84-09/13/84	4	7.85	7.7	8.1	7.	0.247	0.497	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/84-09/13/84	4	39.	39.75	45.	36.	14.25	3.775	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/02/84-09/13/84	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/02/84-09/13/84	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/02/84-09/13/84	4 ##	5.	6.25	10.	5.	6.25	2.5	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/02/84-09/13/84	4 ##	1.	1.25	2.	1.	0.25	0.5	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/02/84-09/13/84	4 ##	20.	25.	40.	20.	100.	10.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/02/84-09/13/84	4	10.	101.25	380.	5.	34539.583	185.848	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/02/84-09/13/84	4	200.	217.5	370.	100.	12825.	113.248	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/02/84-09/13/84	4	2.299	2.291	2.568	2.	0.055	0.235	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			195.647								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/84-09/13/84	4	294.	301.	324.	292.	236.	15.362	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/14/84-09/13/84	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

Parameter Inventory for Station: CUVA0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/02/84-09/13/84	4	1.8	1.675	2.6	0.5	0.816	0.903	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/02/84-09/13/84	4	5.25	5.25	7.4	3.1	3.097	1.76	**	**	**	**

** - 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: CUVA0108

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	4	4	1.00	4	4	1.00									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	2	0.50	4	2	0.50									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	0	0.00	4	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	4	0	0.00									
		Drinking Water	250.	4	0	0.00	4	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00	4	0	0.00									
		Drinking Water	5.	4	0	0.00	4	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	4	0	0.00	4	0	0.00									
		Drinking Water	1300.	4	0	0.00	4	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	4	0	0.00									
		Drinking Water	15.	4	0	0.00	4	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	4	0	0.00									
		Drinking Water	100.	4	0	0.00	4	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	4	1	0.25	4	1	0.25									
		Drinking Water	5000.	4	0	0.00	4	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	2	0.50	4	2	0.50									
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: CUVA0109

NPS Station ID: CUVA0109
LAT/LON: 41.217892/ -81.551977
Agency: 11NPSWRD
Date Created: 03/11/95
Location: DICKERSON RUN
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_DIRU
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED ON DICKERSON RUN - A TRIBUTARY OF THE CUYAHOGA RIVER. STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/01/84-09/20/94	45	11.5	11.182	18.	2.	13.076	3.616	5.6	9.	14.	15.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/84-09/20/94	46	855.	816.087	1030.	290.	24771.014	157.388	600.	715.	922.5	1000.
00300	OXYGEN, DISSOLVED MG/L	11/01/84-09/20/94	45	9.2	9.649	16.4	4.5	4.601	2.145	7.68	8.85	10.1	11.78
00310	BOD, 5 DAY, 20 DEG C MG/L	02/05/85-07/22/93	11	2.	1.636	3.	1.	0.455	0.674	1.	1.	2.	2.8
00400	PH (STANDARD UNITS)	11/01/84-09/20/94	46	7.7	7.704	8.72	6.7	0.107	0.327	7.335	7.5	7.87	8.13
00400	CONVERTED PH (STANDARD UNITS)	11/01/84-09/20/94	46	7.7	7.574	8.72	6.7	0.125	0.353	7.335	7.5	7.87	8.13
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/01/84-09/20/94	46	0.02	0.027	0.2	0.002	0.001	0.03	0.007	0.013	0.032	0.046
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/84-09/20/94	46	190.5	181.065	232.	71.	1864.64	43.181	107.8	153.5	219.25	224.3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/20/94-07/20/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/22/93	14	0.21	0.351	1.19	0.	0.114	0.337	0.055	0.15	0.478	1.04
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/20/94	15 ##	0.01	0.029	0.13	0.01	0.001	0.035	0.01	0.01	0.04	0.106
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/18/86-09/30/93	9	495.	485.667	599.	372.	5182.25	71.988	372.	427.5	535.	599.
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/20/94	44	30.	29.75	55.	16.	77.541	8.806	19.	23.25	33.75	41.
01027	CADMIUM, TOTAL (UG/L AS CD)	04/23/85-09/30/93	10 ##	0.05	0.585	2.5	0.05	0.872	0.934	0.05	0.05	1.25	2.45
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/85-09/30/93	10 ##	1.5	4.4	18.	1.	32.711	5.719	1.	1.	6.5	17.3
01042	COPPER, TOTAL (UG/L AS CU)	04/23/85-09/30/93	10	1.5	3.75	19.	0.5	30.958	5.564	0.55	1.	4.25	17.6
01045	IRON, TOTAL (UG/L AS FE)	04/23/85-09/30/93	10	532.5	649.5	1690.	343.	173259.389	416.244	343.8	366.75	733.75	1621.
01051	LEAD, TOTAL (UG/L AS PB)	04/23/85-09/30/93	10	1.	2.	7.	0.5	4.889	2.211	0.5	0.5	2.75	6.8
01067	NICKEL, TOTAL (UG/L AS NI)	04/23/85-09/30/93	10 ##	1.5	5.3	20.	1.5	36.289	6.024	1.5	1.5	8.25	18.9
01092	ZINC, TOTAL (UG/L AS ZN)	04/23/85-09/30/93	10	14.5	49.4	253.	4.	5926.489	76.984	4.	4.75	76.5	235.8
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	45	110.	245.356	2340.	4.	174905.507	418.217	11.6	31.	252.5	636.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	45	2.041	1.98	3.369	0.602	0.404	0.636	1.049	1.491	2.402	2.789
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			95.538								
31648	E. COLI - MTEC-MF N0/100ML	07/17/91-09/20/94	11	112.	256.091	932.	11.	78361.291	279.931	13.2	102.	388.	853.6
31648	LOG E. COLI - MTEC-MF N0/1	07/17/91-09/20/94	11	2.049	2.135	2.969	1.041	0.33	0.575	1.102	2.009	2.589	2.922
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			136.467								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/01/84-09/20/94	46	5.4	14.041	159.	2.8	787.913	28.07	3.7	4.25	9.275	27.44
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/01/84-09/20/94	46	0.	0.036	0.99	0.	0.024	0.155	0.	0.	0.	0.045

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

EPA Water Quality Criteria Analysis for Station: CUVA0109

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	45	0	0.00	25	0	0.00	4	0	0.00	16	0	0.00			
00400	PH	Other-Hi Lim.	9.	46	0	0.00	25	0	0.00	5	0	0.00	16	0	0.00			
		Other-Lo Lim.	6.5	46	0	0.00	25	0	0.00	5	0	0.00	16	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	44	0	0.00	25	0	0.00	3	0	0.00	16	0	0.00			
		Drinking Water	250.	44	0	0.00	25	0	0.00	3	0	0.00	16	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	10	0	0.00	9	0	0.00				1	0	0.00			
		Drinking Water	5.	10	0	0.00	9	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	10	0	0.00	9	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	10	1	0.10	9	1	0.11				1	0	0.00			
		Drinking Water	1300.	10	0	0.00	9	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	10	0	0.00	9	0	0.00				1	0	0.00			
		Drinking Water	15.	10	0	0.00	9	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	10	0	0.00	9	0	0.00				1	0	0.00			
		Drinking Water	100.	10	0	0.00	9	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	10	1	0.10	9	1	0.11				1	0	0.00			
		Drinking Water	5000.	10	0	0.00	9	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	45	13	0.29	25	8	0.32	4	0	0.00	16	5	0.31			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	11	5	0.45	8	5	0.63				3	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	46	4	0.09	25	1	0.04	5	1	0.20	16	2	0.13			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/01/84-09/20/94	25	13.	12.6	18.	7.	6.458	2.541	8.8	11.	14.25	16.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/84-09/20/94	25	890.	848.8	1030.	290.	23219.333	152.379	660.	800.	925.	1008.
00300	OXYGEN, DISSOLVED MG/L	11/01/84-09/20/94	25	9.2	9.424	16.4	4.5	6.794	2.606	6.32	8.3	9.8	13.58
00400	PH (STANDARD UNITS)	11/01/84-09/20/94	25	7.7	7.698	8.2	6.7	0.086	0.293	7.36	7.615	7.86	8.034
00400	CONVERTED PH (STANDARD UNITS)	11/01/84-09/20/94	25	7.7	7.56	8.2	6.7	0.105	0.325	7.36	7.615	7.86	8.034
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/01/84-09/20/94	25	0.02	0.028	0.2	0.006	0.001	0.037	0.009	0.014	0.024	0.044
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/84-09/20/94	25	217.	203.4	232.	71.	1279.5	35.77	151.2	198.5	222.5	225.4
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/22/93	11	0.2	0.275	1.19	0.	0.102	0.319	0.022	0.15	0.22	1.034
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/20/94	12 ##	0.01	0.026	0.13	0.01	0.001	0.035	0.01	0.01	0.035	0.103
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/20/94	25	26.	27.08	52.	16.	60.577	7.783	18.	20.5	31.5	35.2
01027	CADMIUM, TOTAL (UG/L AS CD)	04/23/85-09/30/93	9 ##	0.05	0.644	2.5	0.05	0.941	0.97	0.05	0.05	1.5	2.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/85-09/30/93	9 ##	2.	4.778	18.	1.	35.194	5.932	1.	1.	8.	18.
01042	COPPER, TOTAL (UG/L AS CU)	04/23/85-09/30/93	9	1.	3.611	19.	0.5	34.611	5.883	0.5	1.	3.5	19.
01045	IRON, TOTAL (UG/L AS FE)	04/23/85-09/30/93	9	563.	665.889	1690.	343.	191895.111	438.058	343.	361.5	822.5	1690.
01051	LEAD, TOTAL (UG/L AS PB)	04/23/85-09/30/93	9	1.	2.111	7.	0.5	5.361	2.315	0.5	0.5	3.5	7.
01067	NICKEL, TOTAL (UG/L AS NI)	04/23/85-09/30/93	9 ##	1.5	4.889	20.	1.5	38.924	6.239	1.5	1.5	7.5	20.
01092	ZINC, TOTAL (UG/L AS ZN)	04/23/85-09/30/93	9	14.	46.556	253.	4.	6576.278	81.094	4.	4.5	55.5	253.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	25	116.	323.24	2340.	18.	271574.44	521.128	26.	76.	374.	1064.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	25	2.064	2.163	3.369	1.255	0.296	0.544	1.407	1.88	2.57	3.013
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			145.503								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/01/84-09/20/94	25	5.4	8.728	67.4	3.7	155.18	12.457	4.	4.8	8.35	11.86
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/01/84-09/20/94	25	0.	0.049	0.99	0.	0.041	0.201	0.	0.	0.	0.092

** - Less than 9 observations ## - Computed 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: 11/01 to 3/14 - Station CUVA0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/01/84-09/20/94	4	5.5	7.625	15.	4.5	24.563	4.956	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/84-09/20/94	5	940.	906.	1010.	650.	21730.	147.411	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/01/84-09/20/94	4	10.2	9.8	10.5	8.3	1.047	1.023	**	**	**	**
00400	PH (STANDARD UNITS)	11/01/84-09/20/94	5	8.23	8.146	8.72	7.62	0.178	0.421	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/01/84-09/20/94	5	8.23	7.997	8.72	7.62	0.205	0.453	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/01/84-09/20/94	5	0.006	0.01	0.024	0.002	0.	0.009	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/84-09/20/94	5	193.	170.	223.	83.	3207.	56.63	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/22/93	1	0.31	0.31	0.31	0.31	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/20/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/20/94	3	48.	44.667	55.	31.	152.333	12.342	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	4	8.	32.5	110.	4.	2673.	51.701	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	4	0.903	1.112	2.041	0.602	0.404	0.635	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12.954								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/01/84-09/20/94	5	5.7	23.6	99.	3.1	1778.08	42.167	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/01/84-09/20/94	5	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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/01/84-09/20/94	16	10.	9.856	16.	2.	14.511	3.809	2.7	8.275	12.875	14.95
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/84-09/20/94	16	725.	736.875	950.	460.	20196.25	142.114	467.	700.	875.	915.
00300	OXYGEN, DISSOLVED MG/L	11/01/84-09/20/94	16	9.6	9.963	14.4	8.2	2.223	1.491	8.62	9.125	10.575	12.65
00400	PH (STANDARD UNITS)	11/01/84-09/20/94	16	7.56	7.576	7.89	7.1	0.054	0.233	7.24	7.403	7.8	7.876
00400	CONVERTED PH (STANDARD UNITS)	11/01/84-09/20/94	16	7.556	7.515	7.89	7.1	0.058	0.242	7.24	7.403	7.8	7.876
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/01/84-09/20/94	16	0.028	0.031	0.079	0.013	0.	0.018	0.013	0.016	0.04	0.059

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/84-09/20/94	16	155.	149.625	185.	96.	764.917	27.657	97.4	136.25	172.5	183.6
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/22/93	2	0.785	0.785	0.89	0.68	0.022	0.148	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/20/94	2	0.06	0.06	0.09	0.03	0.002	0.042	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/20/94	16	31.	31.125	41.	19.	46.65	6.83	21.1	26.	37.75	41.
01027	CADMIUM, TOTAL (UG/L AS CD)	04/23/85-09/30/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/85-09/30/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/23/85-09/30/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/23/85-09/30/93	1	502.	502.	502.	502.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/23/85-09/30/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/23/85-09/30/93	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/23/85-09/30/93	1	75.	75.	75.	75.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	16	99.5	176.875	860.	5.	50808.25	225.407	11.3	25.5	258.75	559.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/13/84-09/20/94	16	1.994	1.912	2.934	0.699	0.371	0.609	1.012	1.404	2.412	2.724
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			81.594								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/01/84-09/20/94	16	4.95	19.356	159.	2.8	1533.657	39.162	3.36	3.775	13.2	84.45
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/01/84-09/20/94	16	0.	0.028	0.3	0.	0.007	0.082	0.	0.	0.	0.195

** - 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

Station Inventory for Station: CUVA0110

NPS Station ID: CUVA0110
LAT/LON: 41.218337/ -81.551949
Agency: 112WRD
Date Created: 11/06/82
Location: DICKERSON RN AT PENINSULA OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 411306081330700
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.80
On/Off RF1:
RF3 Index: 04110002057900.00
RF3 Mile Point: 0.76
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	5	13.5	14.08	15.4	13.	1.107	1.052	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	2	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	5	1000.	1005.	1025.	1000.	125.	11.18	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	5	9.3	9.18	9.6	8.4	0.212	0.46	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	5	90.	88.4	91.	83.	10.3	3.209	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/82-09/15/82	5	7.95	7.95	8.	7.9	0.001	0.035	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/14/82-09/15/82	5	7.95	7.949	8.	7.9	0.001	0.035	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-09/15/82	5	0.011	0.011	0.013	0.01	0.	0.001	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/17/82-08/17/82	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/17/82-08/17/82	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/17/82-08/17/82	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/17/82-08/17/82	1	4700.	4700.	4700.	4700.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/17/82-08/17/82	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/17/82-08/17/82	1	58.	58.	58.	58.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/17/82-08/17/82	1	3100.	3100.	3100.	3100.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/17/82-08/17/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/17/82-08/17/82	1	34000.	34000.	34000.	34000.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	100.	100.	100.	100.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			100.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	1	790.	790.	790.	790.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/14/82-09/14/82	1	2.898	2.898	2.898	2.898	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			790.								
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/17/82-08/17/82	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	3	0.3	0.467	1.	0.1	0.223	0.473	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: CUVA0110

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
31625	FECAL COLIFORM, MF	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: CUVA0111

NPS Station ID: CUVA0111
LAT/LON: 41.219726/ -81.534448
Agency: 112WRD
Date Created: 11/06/82
Location: SALT RN AT PENINSULA OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 411311081320400
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 1.20
On/Off RF1:
RF3 Index: 04110002058000.00
RF3 Mile Point: 0.30
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	5	20.6	20.82	22.	19.5	0.937	0.968	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	2	0.5	0.5	0.6	0.4	0.02	0.141	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	5	710.	706.	710.	695.	42.5	6.519	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	5	8.8	8.66	9.	7.8	0.238	0.488	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	5	97.	95.8	100.	88.	21.2	4.604	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/82-09/15/82	5	8.1	8.07	8.2	7.85	0.017	0.13	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/14/82-09/15/82	5	8.1	8.053	8.2	7.85	0.017	0.132	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-09/15/82	5	0.008	0.009	0.014	0.006	0.	0.003	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/17/82-08/17/82	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/17/82-08/17/82	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/17/82-08/17/82	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/17/82-08/17/82	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/17/82-08/17/82	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/17/82-08/17/82	1	72.	72.	72.	72.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/17/82-08/17/82	1	2800.	2800.	2800.	2800.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/17/82-08/17/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/17/82-08/17/82	1	13000.	13000.	13000.	13000.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	700.	700.	700.	700.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	2.845	2.845	2.845	2.845	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			700.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	1	5800.	5800.	5800.	5800.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/14/82-09/14/82	1	3.763	3.763	3.763	3.763	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			5800.								
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/17/82-08/17/82	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	3	0.6	0.733	1.1	0.5	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: CUVA0111

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
31625	FECAL COLIFORM, MF	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: CUVA0112

NPS Station ID: CUVA0112
LAT/LON: 41.225976/ -81.547004
Agency: 11NPSWRD
Date Created: 03/11/95
Location: SALT RUN
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_SARU
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED ON SALT RUN - A TRIBUTARY OF THE CUYAHOGA RIVER. STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/84-09/20/94	45	12.	12.04	20.	4.	14.64	3.826	6.1	9.	15.	16.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/84-09/20/94	46	700.	659.848	990.	312.	27625.732	166.21	416.	560.	765.	862.
00300	OXYGEN, DISSOLVED MG/L	11/06/84-09/20/94	45	9.3	9.664	18.4	5.2	5.993	2.448	6.88	8.5	10.5	11.16
00310	BOD, 5 DAY, 20 DEG C MG/L	04/02/85-07/22/93	9	2.	2.444	8.	1.	4.778	2.186	1.	1.	2.5	8.
00400	PH (STANDARD UNITS)	11/06/84-09/20/94	46	7.7	7.677	8.55	6.93	0.074	0.272	7.285	7.598	7.805	7.924
00400	CONVERTED PH (STANDARD UNITS)	11/06/84-09/20/94	46	7.7	7.593	8.55	6.93	0.081	0.285	7.285	7.597	7.805	7.924
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/84-09/20/94	46	0.02	0.026	0.117	0.003	0.	0.019	0.012	0.016	0.025	0.052
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/06/84-09/20/94	46	178.	174.478	248.	67.	1853.588	43.053	113.3	148.	208.25	230.5
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/94-07/19/94	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/22/93	13	0.39	0.44	1.01	0.	0.114	0.337	0.012	0.15	0.71	0.998
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/19/94	14 ##	0.015	0.045	0.15	0.01	0.002	0.048	0.01	0.01	0.083	0.135
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/18/86-09/30/93	9	353.	372.	532.	262.	5823.	76.309	262.	327.5	408.5	532.
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/20/94	44	32.	37.159	271.	9.	1546.974	39.332	17.5	23.5	36.	46.
01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/85-09/30/93	9 ##	0.05	0.322	2.5	0.05	0.667	0.817	0.05	0.05	0.05	2.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/85-09/30/93	9	3.	5.	20.	1.	34.5	5.874	1.	1.5	5.5	20.
01042	COPPER, TOTAL (UG/L AS CU)	04/30/85-09/30/93	9	2.	4.167	23.	0.5	51.063	7.146	0.5	0.5	3.	23.
01045	IRON, TOTAL (UG/L AS FE)	04/30/85-09/30/93	9	717.	795.333	1310.	401.	94969.5	308.171	401.	541.5	1070.	1310.
01051	LEAD, TOTAL (UG/L AS PB)	04/30/85-09/30/93	9 ##	0.5	1.111	3.	0.5	0.799	0.894	0.5	0.5	1.75	3.
01067	NICKEL, TOTAL (UG/L AS NI)	04/30/85-09/30/93	9 ##	3.	5.222	20.	1.5	37.319	6.109	1.5	1.5	7.5	20.
01092	ZINC, TOTAL (UG/L AS ZN)	04/30/85-09/30/93	9	8.	25.778	77.	4.	987.194	31.42	4.	4.	60.	77.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/20/94	46	95.	255.087	2900.	3.	260565.859	510.457	5.4	28.	225.	642.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/20/94	46	1.978	1.899	3.462	0.477	0.49	0.7	0.725	1.447	2.345	2.805
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			79.251								
31648	E. COLI - MTEC-MF N0/100ML	07/17/91-09/20/94	11	85.	224.273	1066.	0.	104028.618	322.535	4.	20.	410.	951.4
31648	LOG E. COLI - MTEC-MF N0/1	07/17/91-09/20/94	11	1.929	1.879	3.028	0.	0.68	0.825	0.26	1.301	2.613	2.961
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			75.677								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/06/84-09/20/94	44	7.95	11.42	63.	3.2	171.681	13.103	4.4	5.525	9.9	23.45
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/84-09/20/94	46	0.	0.036	0.99	0.	0.024	0.155	0.	0.	0.	0.045

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

EPA Water Quality Criteria Analysis for Station: CUVA0112

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	45	0	0.00	25	0	0.00	3	0	0.00	17	0	0.00			
00400	PH	Other-Hi Lim.	9.	46	0	0.00	25	0	0.00	4	0	0.00	17	0	0.00			
		Other-Lo Lim.	6.5	46	0	0.00	25	0	0.00	4	0	0.00	17	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	44	0	0.00	25	0	0.00	2	0	0.00	17	0	0.00			
		Drinking Water	250.	44	1	0.02	25	1	0.04	2	0	0.00	17	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	5.	9	0	0.00	8	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	8	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	9	1	0.11	8	1	0.13				1	0	0.00			
		Drinking Water	1300.	9	0	0.00	8	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	15.	9	0	0.00	8	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	100.	9	0	0.00	8	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	5000.	9	0	0.00	8	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	46	12	0.26	25	9	0.36	4	0	0.00	17	3	0.18			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	11	4	0.36	8	3	0.38				3	1	0.33			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	44	2	0.05	24	0	0.00	4	0	0.00	16	2	0.13			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/84-09/20/94	25	15.	13.62	20.	5.5	12.402	3.522	9.	10.5	15.5	18.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/84-09/20/94	25	720.	687.28	990.	332.	27967.877	167.236	414.	585.	795.	904.
00300	OXYGEN, DISSOLVED MG/L	11/06/84-09/20/94	25	9.2	9.62	16.8	6.	6.285	2.507	6.42	8.3	10.5	13.24
00400	PH (STANDARD UNITS)	11/06/84-09/20/94	25	7.7	7.703	8.27	7.23	0.052	0.227	7.34	7.6	7.835	7.968
00400	CONVERTED PH (STANDARD UNITS)	11/06/84-09/20/94	25	7.7	7.646	8.27	7.23	0.055	0.235	7.34	7.6	7.835	7.968
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/84-09/20/94	25	0.02	0.023	0.059	0.005	0.	0.013	0.011	0.015	0.025	0.046
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/06/84-09/20/94	25	194.	192.64	248.	89.	1447.99	38.052	136.4	169.5	217.	239.2
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/22/93	9	0.26	0.33	0.98	0.	0.099	0.315	0.	0.08	0.525	0.98
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/19/94	10 ##	0.015	0.044	0.15	0.01	0.003	0.052	0.01	0.01	0.083	0.147
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/20/94	25	28.	38.88	271.	9.	2691.777	51.882	15.4	18.5	35.	66.6
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/20/94	25	100.	343.	2900.	24.	381139.75	617.365	40.2	72.	345.	972.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/20/94	25	2.	2.191	3.462	1.38	0.258	0.508	1.577	1.857	2.537	2.941
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			155.06								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/06/84-09/20/94	24	7.55	9.096	43.3	4.1	61.235	7.825	4.3	5.225	9.5	13.95
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/84-09/20/94	25	0.	0.049	0.99	0.	0.041	0.201	0.	0.	0.	0.092

** - Less than 9 observations ## - Computed 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: 11/01 to 3/14 - Station CUVA0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/84-09/20/94	3	5.	6.667	10.	5.	8.333	2.887	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/84-09/20/94	4	775.	822.5	980.	760.	11225.	105.948	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/06/84-09/20/94	3	9.6	9.967	10.8	9.5	0.523	0.723	**	**	**	**
00400	PH (STANDARD UNITS)	11/06/84-09/20/94	4	7.75	7.733	7.83	7.6	0.011	0.104	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/06/84-09/20/94	4	7.747	7.723	7.83	7.6	0.011	0.105	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/84-09/20/94	4	0.018	0.019	0.025	0.015	0.	0.005	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/06/84-09/20/94	4	175.5	181.5	239.	136.	1876.333	43.317	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/22/93	1	0.57	0.57	0.57	0.57	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/19/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/20/94	2	41.	41.	48.	34.	98.	9.899	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/20/94	4	26.	41.25	110.	3.	2348.917	48.466	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/20/94	4	1.341	1.3	2.041	0.477	0.456	0.675	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			19.95								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/06/84-09/20/94	4	5.6	6.25	8.8	5.	2.977	1.725	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/84-09/20/94	4	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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/84-09/20/94	17	11.	10.665	15.	4.	9.292	3.048	6.	8.9	13.	15.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/84-09/20/94	17	600.	581.235	800.	312.	19284.941	138.87	342.4	474.5	700.	752.
00300	OXYGEN, DISSOLVED MG/L	11/06/84-09/20/94	17	9.3	9.676	18.4	5.2	6.967	2.639	7.36	8.5	10.4	12.4
00400	PH (STANDARD UNITS)	11/06/84-09/20/94	17	7.6	7.627	8.55	6.93	0.124	0.352	7.146	7.43	7.785	8.094
00400	CONVERTED PH (STANDARD UNITS)	11/06/84-09/20/94	17	7.6	7.505	8.55	6.93	0.14	0.374	7.146	7.43	7.785	8.094
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/84-09/20/94	17	0.025	0.031	0.117	0.003	0.001	0.027	0.009	0.016	0.037	0.074
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/06/84-09/20/94	17	150.	146.118	207.	67.	1307.11	36.154	94.2	123.	170.5	201.4
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/22/93	3	0.78	0.727	1.01	0.39	0.098	0.313	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/19/94	3	0.08	0.06	0.09	0.01	0.002	0.044	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/20/94	17	33.	34.176	64.	23.	97.779	9.888	23.	26.	38.5	48.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/20/94	17	32.	176.118	1400.	4.	130557.86	361.328	4.	9.5	150.	872.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/20/94	17	1.505	1.611	3.146	0.602	0.596	0.772	0.602	0.946	2.172	2.925
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			40.86								

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/06/84-09/20/94	16	8.8	16.2	63.	3.2	357.52	18.908	4.67	6.15	13.4	61.74
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/84-09/20/94	17	0.	0.026	0.3	0.	0.006	0.079	0.	0.	0.	0.18

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

Station Inventory for Station: CUVA0113

NPS Station ID: CUVA0113
LAT/LON: 41.225976/ -81.558088
Agency: 11NPSWRD
Date Created: 03/11/95
Location: OAK HILL
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_OAHI
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED ON AN INTERMITTENT STREAM THAT COMES OUT OF THE OAK HILL HOUSING DEVELOPMENT. IT IS A TRIBUTARY OF THE CUYAHOGA RIVER.
STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0113

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/84-09/19/94	43	13.5	12.919	20.	0.	23.13	4.809	5.7	9.	17.	18.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/84-09/19/94	44	400.	432.295	1180.	170.	29256.725	171.046	249.5	304.75	500.	605.
00300	OXYGEN, DISSOLVED MG/L	11/06/84-09/19/94	42	8.9	9.148	18.	1.2	6.831	2.614	6.73	7.825	10.4	12.36
00310	BOD, 5 DAY, 20 DEG C MG/L	04/02/85-07/14/93	9 ##	1.	1.333	2.	1.	0.25	0.5	1.	1.	2.	2.
00400	PH (STANDARD UNITS)	11/06/84-09/19/94	45	7.7	7.618	8.69	6.79	0.163	0.404	6.924	7.52	7.835	8.058
00400	CONVERTED PH (STANDARD UNITS)	11/06/84-09/19/94	45	7.7	7.418	8.69	6.79	0.204	0.452	6.924	7.52	7.835	8.058
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/84-09/19/94	45	0.02	0.038	0.162	0.002	0.002	0.044	0.009	0.015	0.03	0.122
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/06/84-09/19/94	45	106.	106.667	230.	48.	1112.091	33.348	59.8	88.5	122.	145.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/20/94-07/20/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/14/93	11	0.39	0.427	1.07	0.03	0.079	0.281	0.052	0.26	0.57	0.992
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/20/94	12	0.028	0.046	0.24	0.01	0.004	0.064	0.01	0.013	0.04	0.192
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/86-09/30/93	9	242.	231.556	291.	150.	2227.028	47.191	150.	186.5	267.	291.
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/19/94	42	21.	30.619	319.	7.	2209.607	47.006	12.	16.75	25.5	44.7
01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/85-09/30/93	10 ##	0.05	0.39	2.5	0.05	0.639	0.799	0.05	0.05	0.288	2.35
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/85-09/30/93	10 ##	2.5	4.1	15.	1.	20.989	4.581	1.	1.	6.	14.4
01042	COPPER, TOTAL (UG/L AS CU)	04/30/85-09/30/93	10	3.	4.5	20.	1.	31.833	5.642	1.	1.75	4.5	18.6
01045	IRON, TOTAL (UG/L AS FE)	04/30/85-09/30/93	10	448.5	638.1	1665.	100.	348290.322	590.161	100.3	163.75	1067.	1658.9
01051	LEAD, TOTAL (UG/L AS PB)	04/30/85-09/30/93	10	1.75	2.55	7.	0.5	4.747	2.179	0.5	0.875	4.25	6.8
01067	NICKEL, TOTAL (UG/L AS NI)	04/30/85-09/30/93	10	3.	4.75	20.	1.5	30.458	5.519	1.5	1.5	5.	18.5
01092	ZINC, TOTAL (UG/L AS ZN)	04/30/85-09/30/93	10	15.5	72.7	504.	4.	23482.456	153.24	4.1	7.25	60.5	460.4
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	43	44.	161.767	1300.	2.	81500.707	285.483	4.4	10.	144.	510.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	43	1.643	1.625	3.114	0.301	0.584	0.764	0.641	1.	2.158	2.707
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			42.181								
31648	E. COLI - MTEC-MF N0/100ML	09/10/91-09/19/94	9	104.	237.	1440.	0.	210915.	459.255	0.	10.5	200.	1440.
31648	LOG E. COLI - MTEC-MF N0/1	09/10/91-09/19/94	9	2.017	1.702	3.158	0.	0.907	0.952	0.	0.952	2.273	3.158
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			50.344								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/06/84-09/19/94	43	4.1	7.393	60.5	0.7	114.119	10.683	1.2	2.2	7.7	18.84
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/84-09/19/94	45	0.	0.011	0.3	0.	0.003	0.054	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: CUVA0113

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	42	1	0.02	24	0	0.00	3	0	0.00	15	1	0.07			
00400	PH	Other-Hi Lim.	9.	45	0	0.00	25	0	0.00	4	0	0.00	16	0	0.00			
		Other-Lo Lim.	6.5	45	0	0.00	25	0	0.00	4	0	0.00	16	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	42	0	0.00	24	0	0.00	2	0	0.00	16	0	0.00			
		Drinking Water	250.	42	1	0.02	24	1	0.04	2	0	0.00	16	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	10	0	0.00	9	0	0.00				1	0	0.00			
		Drinking Water	5.	10	0	0.00	9	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	10	0	0.00	9	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	10	1	0.10	9	1	0.11				1	0	0.00			
		Drinking Water	1300.	10	0	0.00	9	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	10	0	0.00	9	0	0.00				1	0	0.00			
		Drinking Water	15.	10	0	0.00	9	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	10	0	0.00	9	0	0.00				1	0	0.00			
		Drinking Water	100.	10	0	0.00	9	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	10	1	0.10	9	1	0.11				1	0	0.00			
		Drinking Water	5000.	10	0	0.00	9	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	43	10	0.23	24	8	0.33	4	0	0.00	15	2	0.13			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	9	4	0.44	7	4	0.57				2	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	43	1	0.02	23	0	0.00	4	0	0.00	16	1	0.06			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0113

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/84-09/19/94	25	17.	15.04	20.	5.5	15.54	3.942	9.	11.5	18.	18.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/84-09/19/94	24	500.	480.542	1180.	240.	38509.563	196.239	274.5	348.75	547.5	680.
00300	OXYGEN, DISSOLVED MG/L	11/06/84-09/19/94	24	8.2	8.717	18.	5.7	6.699	2.588	6.65	7.125	9.075	12.15
00400	PH (STANDARD UNITS)	11/06/84-09/19/94	25	7.61	7.569	8.17	6.8	0.13	0.36	6.924	7.375	7.8	7.996
00400	CONVERTED PH (STANDARD UNITS)	11/06/84-09/19/94	25	7.61	7.404	8.17	6.8	0.158	0.398	6.924	7.375	7.8	7.996
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/84-09/19/94	25	0.025	0.039	0.158	0.007	0.002	0.042	0.01	0.016	0.045	0.122
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/06/84-09/19/94	25	115.	116.	230.	63.	1207.333	34.747	76.	88.5	132.	153.4
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/19/94	24	23.5	39.875	319.	8.	3712.201	60.928	13.	21.	41.75	56.5
01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/85-09/30/93	9 ##	0.05	0.428	2.5	0.05	0.703	0.838	0.05	0.05	0.525	2.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/85-09/30/93	9 ##	2.	4.222	15.	1.	23.444	4.842	1.	1.	7.	15.
01042	COPPER, TOTAL (UG/L AS CU)	04/30/85-09/30/93	9	3.	4.667	20.	1.	35.5	5.958	1.	1.5	5.	20.
01045	IRON, TOTAL (UG/L AS FE)	04/30/85-09/30/93	9	627.	688.556	1665.	100.	363186.778	602.65	100.	169.	1246.	1665.
01051	LEAD, TOTAL (UG/L AS PB)	04/30/85-09/30/93	9	2.	2.722	7.	0.5	5.007	2.238	0.5	0.75	4.5	7.
01067	NICKEL, TOTAL (UG/L AS NI)	04/30/85-09/30/93	9	3.	4.722	20.	1.5	34.257	5.853	1.5	1.5	4.5	20.
01092	ZINC, TOTAL (UG/L AS ZN)	04/30/85-09/30/93	9	11.	73.222	504.	4.	26414.694	162.526	4.	6.5	48.	504.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	24	115.	241.958	1300.	10.	118316.303	343.971	11.	35.75	246.25	950.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	24	2.06	2.014	3.114	1.	0.372	0.61	1.04	1.55	2.391	2.975
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			103.264								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/06/84-09/19/94	23	4.1	5.878	22.1	0.7	34.284	5.855	1.08	2.	7.7	18.2
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/84-09/19/94	25	0.	0.02	0.3	0.	0.005	0.072	0.	0.	0.	0.084

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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0113

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/84-09/19/94	3	6.	5.333	8.	2.	9.333	3.055	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/84-09/19/94	4	436.5	463.5	600.	381.	10169.667	100.845	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/06/84-09/19/94	3	11.2	11.	11.8	10.	0.84	0.917	**	**	**	**
00400	PH (STANDARD UNITS)	11/06/84-09/19/94	4	7.69	7.695	7.83	7.57	0.012	0.111	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/06/84-09/19/94	4	7.688	7.684	7.83	7.57	0.013	0.112	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/84-09/19/94	4	0.021	0.021	0.027	0.015	0.	0.005	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/06/84-09/19/94	4	106.	101.5	121.	73.	453.667	21.299	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/19/94	2	18.	18.	24.	12.	72.	8.485	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	4	4.5	14.25	44.	4.	393.583	19.839	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	4	0.651	0.887	1.643	0.602	0.257	0.507	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.703								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/06/84-09/19/94	4	1.9	2.475	4.5	1.6	1.903	1.379	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/84-09/19/94	4	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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0113

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/84-09/19/94	15	12.5	10.9	15.	0.	16.686	4.085	3.	9.	13.5	15.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/84-09/19/94	16	372.5	352.125	510.	170.	11947.583	109.305	177.	300.	432.5	503.
00300	OXYGEN, DISSOLVED MG/L	11/06/84-09/19/94	15	9.4	9.467	13.8	1.2	7.718	2.778	5.4	8.8	10.6	13.08
00400	PH (STANDARD UNITS)	11/06/84-09/19/94	16	7.76	7.676	8.69	6.79	0.26	0.509	6.797	7.35	8.02	8.312
00400	CONVERTED PH (STANDARD UNITS)	11/06/84-09/19/94	16	7.756	7.392	8.69	6.79	0.346	0.588	6.797	7.35	8.02	8.312
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/84-09/19/94	16	0.018	0.041	0.162	0.002	0.003	0.052	0.006	0.01	0.045	0.16
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/06/84-09/19/94	16	99.	93.375	160.	48.	898.917	29.982	48.	64.	109.	132.7
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/19/94	16	20.	18.313	25.	7.	22.896	4.785	10.5	14.5	21.75	24.3
01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/85-09/30/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/85-09/30/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0113

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042	COPPER, TOTAL (UG/L AS CU)	04/30/85-09/30/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/30/85-09/30/93	1	184.	184.	184.	184.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/30/85-09/30/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/30/85-09/30/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/30/85-09/30/93	1	68.	68.	68.	68.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	15	10.	72.8	530.	2.	24319.029	155.946	3.2	5.	22.	428.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	15	1.	1.2	2.724	0.301	0.478	0.691	0.482	0.699	1.342	2.623
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			15.846								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/06/84-09/19/94	16	5.	10.8	60.5	0.7	246.52	15.701	1.12	3.1	9.25	42.51
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/84-09/19/94	16	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

Station Inventory for Station: CUVA0114

NPS Station ID: CUVA0114
LAT/LON: 41.228726/ -81.508282
Agency: 11NPSWRD
Date Created: 03/11/95
Location: HASKELL RUN
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_HARU
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED ON HASKELL RUN - A TRIBUTARY OF THE CUYAHOGA RIVER. STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0114

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/84-09/19/94	42	12.5	12.167	19.	1.	20.764	4.557	4.8	9.75	16.	17.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/84-09/19/94	43	775.	766.023	1250.	264.	54337.642	233.104	341.	670.	920.	1015.
00300	OXYGEN, DISSOLVED MG/L	11/06/84-09/19/94	42	9.9	10.107	17.4	4.3	5.678	2.383	7.33	8.8	11.25	12.7
00310	BOD, 5 DAY, 20 DEG C MG/L	02/05/85-07/29/92	8 ##	1.	2.125	8.	1.	5.839	2.416	**	**	**	**
00400	PH (STANDARD UNITS)	11/06/84-09/19/94	43	7.98	7.915	8.75	7.04	0.12	0.347	7.32	7.8	8.08	8.196
00400	CONVERTED PH (STANDARD UNITS)	11/06/84-09/19/94	43	7.98	7.756	8.75	7.04	0.146	0.382	7.32	7.8	8.08	8.196
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/84-09/19/94	43	0.01	0.018	0.091	0.002	0.	0.02	0.006	0.008	0.016	0.051
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/06/84-09/19/94	42	195.5	182.762	265.	49.	2607.6	51.065	116.5	152.25	227.25	236.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/20/94-07/20/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/29/92	11	0.29	0.489	1.6	0.15	0.208	0.456	0.156	0.22	0.7	1.492
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/29/92	11	0.02	0.258	2.54	0.01	0.574	0.758	0.01	0.01	0.04	2.058
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/86-09/16/92	8	483.5	481.75	661.	273.	11999.357	109.542	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/19/94	41	24.	42.61	623.	5.	9324.094	96.561	5.2	10.5	41.	55.8
01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/85-09/16/92	8 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/85-09/16/92	8 ##	1.	4.125	23.	1.	58.696	7.661	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/30/85-09/16/92	8	1.5	2.938	14.	0.5	20.317	4.507	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/30/85-09/16/92	8	194.	188.5	337.	62.	10192.571	100.958	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/30/85-09/16/92	8	1.	1.438	4.	0.5	1.46	1.208	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/30/85-09/16/92	8 ##	2.25	3.625	9.	1.5	9.554	3.091	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/30/85-09/16/92	8	17.5	34.75	114.	4.	1695.071	41.171	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	43	146.	472.349	6400.	0.	1350782.994	1162.232	5.	25.	240.	1064.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	43	2.164	1.944	3.806	0.	0.744	0.862	0.699	1.398	2.38	3.021
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			87.85								
31648	E. COLI - MTEC-MF N0/100ML	07/18/91-09/19/94	8	199.	215.625	440.	18.	17425.125	132.004	**	**	**	**
31648	LOG E. COLI - MTEC-MF N0/1	07/18/91-09/19/94	8	2.299	2.211	2.643	1.255	0.183	0.428	**	**	**	**
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			162.681								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/06/84-09/19/94	42	2.05	6.81	97.4	0.7	283.404	16.835	1.	1.2	4.025	12.57
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/84-09/19/94	43	0.	0.009	0.23	0.	0.002	0.041	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: CUVA0114

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	42	0	0.00	23	0	0.00	3	0	0.00	16	0	0.00			
00400	PH	Other-Hi Lim.	9.	43	0	0.00	23	0	0.00	4	0	0.00	16	0	0.00			
		Other-Lo Lim.	6.5	43	0	0.00	23	0	0.00	4	0	0.00	16	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	41	0	0.00	23	0	0.00	2	0	0.00	16	0	0.00			
		Drinking Water	250.	41	1	0.02	23	1	0.04	2	0	0.00	16	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	5.	8	0	0.00	7	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	7	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	1300.	8	0	0.00	7	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	15.	8	0	0.00	7	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	100.	8	0	0.00	7	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	5000.	8	0	0.00	7	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	43	13	0.30	23	11	0.48	4	0	0.00	16	2	0.13			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	8	6	0.75	6	5	0.83				2	1	0.50			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	42	2	0.05	22	0	0.00	4	0	0.00	16	2	0.13			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0114

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/84-09/19/94	23	16.	14.587	19.	4.5	13.219	3.636	8.8	12.	17.	18.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/84-09/19/94	23	910.	850.435	1220.	365.	37249.802	193.002	552.	720.	1000.	1058.
00300	OXYGEN, DISSOLVED MG/L	11/06/84-09/19/94	23	9.2	9.683	17.4	4.3	8.772	2.962	6.98	8.	10.1	15.52
00400	PH (STANDARD UNITS)	11/06/84-09/19/94	23	8.	7.95	8.38	7.06	0.069	0.263	7.64	7.8	8.1	8.196
00400	CONVERTED PH (STANDARD UNITS)	11/06/84-09/19/94	23	8.	7.841	8.38	7.06	0.081	0.285	7.64	7.8	8.1	8.196
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/84-09/19/94	23	0.01	0.014	0.087	0.004	0.	0.017	0.006	0.008	0.016	0.023
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/06/84-09/19/94	23	225.	208.13	265.	75.	1736.028	41.666	142.4	194.	232.	240.
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/19/94	23	17.	43.522	623.	5.	16054.534	126.706	5.	8.	25.	37.6
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	23	190.	664.609	6400.	0.	2100731.34	1449.39	17.2	140.	420.	2504.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	23	2.279	2.255	3.806	0.	0.623	0.789	1.207	2.146	2.623	3.308
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			179.94								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/06/84-09/19/94	22	2.15	3.836	31.	0.7	42.001	6.481	0.83	1.15	3.35	9.36
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/84-09/19/94	23	0.	0.01	0.23	0.	0.002	0.048	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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0114

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/84-09/19/94	3	5.5	5.167	8.	2.	9.083	3.014	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/84-09/19/94	4	820.	902.5	1250.	720.	60158.333	245.272	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/06/84-09/19/94	3	11.	11.	11.8	10.2	0.64	0.8	**	**	**	**
00400	PH (STANDARD UNITS)	11/06/84-09/19/94	4	7.94	7.94	8.04	7.84	0.012	0.11	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/06/84-09/19/94	4	7.931	7.93	8.04	7.84	0.012	0.11	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/84-09/19/94	4	0.012	0.012	0.014	0.009	0.	0.003	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/06/84-09/19/94	4	144.5	150.25	197.	115.	1252.917	35.397	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/19/94	2	103.	103.	159.	47.	6272.	79.196	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	4	16.	51.75	170.	5.	6322.25	79.513	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	4	1.065	1.265	2.23	0.699	0.534	0.73	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18.405								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/06/84-09/19/94	4	2.15	2.575	4.9	1.1	2.783	1.668	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/84-09/19/94	4	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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0114

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/84-09/19/94	16	10.5	10.	14.	1.	12.367	3.517	3.1	8.25	12.75	13.65
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/84-09/19/94	16	685.	610.563	900.	264.	43809.063	209.306	282.2	366.25	785.	830.
00300	OXYGEN, DISSOLVED MG/L	11/06/84-09/19/94	16	10.6	10.55	13.2	8.4	1.924	1.387	8.68	9.125	11.75	12.36
00400	PH (STANDARD UNITS)	11/06/84-09/19/94	16	7.9	7.858	8.75	7.04	0.227	0.477	7.152	7.55	8.065	8.701
00400	CONVERTED PH (STANDARD UNITS)	11/06/84-09/19/94	16	7.9	7.629	8.75	7.04	0.283	0.532	7.152	7.55	8.065	8.701
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/84-09/19/94	16	0.013	0.023	0.091	0.002	0.001	0.026	0.002	0.009	0.029	0.072
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/06/84-09/19/94	15	154.	152.533	215.	49.	2301.695	47.976	55.6	132.	185.	210.2
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/19/94	16	28.5	33.75	67.	5.	328.2	18.116	7.8	21.5	48.75	59.3
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	16	32.5	301.125	2900.	1.	564731.05	751.486	3.8	15.75	133.	1710.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	16	1.511	1.666	3.462	0.	0.707	0.841	0.489	1.196	2.117	3.194
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			46.326								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/06/84-09/19/94	16	1.95	11.956	97.4	1.	669.279	25.87	1.	1.2	6.95	64.57
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/84-09/19/94	16	0.	0.009	0.15	0.	0.001	0.038	0.	0.	0.	0.045

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

Station Inventory for Station: CUVA0115

NPS Station ID: CUVA0115
LAT/LON: 41.233059/ -81.551115
Agency: 112WRD
Date Created: 10/01/94
Location: CUYAHOGA R NR PENINSULA OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 411359081330400
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0115

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/27/94-06/29/94	3	19.9	19.767	20.	19.4	0.103	0.321	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/27/94-06/29/94	3	21.9	21.567	22.2	20.6	0.723	0.85	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	06/27/94-06/28/94	2	742.	742.	743.	741.	2.	1.414	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/27/94-06/29/94	3	932.	836.667	943.	635.	30532.333	174.735	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/27/94-06/29/94	3	7.	7.1	7.5	6.8	0.13	0.361	**	**	**	**
00400	PH (STANDARD UNITS)	06/27/94-06/29/94	3	7.43	7.543	8.	7.2	0.17	0.412	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/27/94-06/29/94	3	7.43	7.435	8.	7.2	0.187	0.433	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/27/94-06/29/94	3	0.037	0.037	0.063	0.01	0.001	0.027	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/27/94-06/28/94	2	76.	76.	104.	48.	1568.	39.598	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/27/94-06/28/94	2	0.29	0.29	0.36	0.22	0.01	0.099	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	06/27/94-06/28/94	2	0.235	0.235	0.27	0.2	0.002	0.049	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/27/94-06/28/94	2	1.695	1.695	1.71	1.68	0.	0.021	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/27/94-06/28/94	2	4.	4.	5.	3.	2.	1.414	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/27/94-06/28/94	2	0.33	0.33	0.34	0.32	0.	0.014	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/27/94-06/28/94	2	0.2	0.2	0.21	0.19	0.	0.014	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/27/94-06/29/94	3	6.9	12.167	23.	6.6	88.043	9.383	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/27/94-06/29/94	3	0.	43333.333	130000.	0.	5633333333.333	75055.535	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/27/94-06/29/94	3	0.	1.705	5.114	0.	8.717	2.953	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			50.658								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	06/27/94-06/28/94	2	25500.	25500.	41000.	10000.	480500000.	21920.31	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	06/27/94-06/28/94	2	4.306	4.306	4.613	4.	0.188	0.433	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			20248.457								

** - 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: CUVA0115

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/31---------- Obs	Exceed	Prop.	----------11/01-3/14---------- Obs	Exceed	Prop.	----------3/15-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	3	0	0.00							3	0	0.00			
00400	PH	Other-Hi Lim.	9.	3	0	0.00							3	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00							3	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00							2	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00							2	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	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

EPA Water Quality Criteria Analysis for Station: CUVA0115

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31625	FECAL COLIFORM, MF	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: CUVA0116

NPS Station ID: CUVA0116
LAT/LON: 41.234366/ -81.547198
Agency: 11NPSWRD
Date Created: 03/11/95
Location: RITCHIE RUN
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_RIRU
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED ON RITCHIE RUN - A TRIBUTARY OF THE CUYAHOGA RIVER. STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0116

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/05/94-09/20/94	3	13.	13.333	17.	10.	12.333	3.512	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/05/94-09/20/94	3	600.	600.	700.	500.	10000.	100.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/05/94-09/20/94	3	9.8	9.2	10.6	7.2	3.16	1.778	**	**	**	**
00400	PH (STANDARD UNITS)	05/05/94-09/20/94	3	7.2	7.233	7.5	7.	0.063	0.252	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/05/94-09/20/94	3	7.2	7.188	7.5	7.	0.066	0.258	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/05/94-09/20/94	3	0.063	0.065	0.1	0.032	0.001	0.034	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/05/94-09/20/94	3	205.	189.	210.	152.	1033.	32.14	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/94-07/19/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/19/94-07/19/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/05/94-09/20/94	3	28.	35.667	60.	19.	464.333	21.548	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/05/94-09/20/94	3	1452.	11737.333	33600.	160.	358899461.333	18944.642	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/05/94-09/20/94	3	3.162	3.297	4.526	2.204	1.362	1.167	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1983.697								
31648	E. COLI - MTEC-MF N0/100ML	05/05/94-09/20/94	3	185.	7095.	21000.	100.	145013575.	12042.158	**	**	**	**
31648	LOG E. COLI - MTEC-MF N0/1	05/05/94-09/20/94	3	2.267	2.863	4.322	2.	1.615	1.271	**	**	**	**
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			729.676								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/05/94-09/20/94	2	7.5	7.5	7.8	7.2	0.18	0.424	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/05/94-09/20/94	3	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: CUVA0116

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	3	0	0.00	2	0	0.00				1	0	0.00			
00400	PH	Other-Hi Lim.	9.	3	0	0.00	2	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	2	0	0.00				1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	250.	3	0	0.00	2	0	0.00				1	0	0.00			

& - 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: CUVA0116

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	2	0.67	2	2	1.00				1	0	0.00			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	3	2	0.67	2	1	0.50				1	1	1.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	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: CUVA0117

NPS Station ID: CUVA0117
LAT/LON: 41.234449/ -81.546949
Agency: 112WRD
Date Created: 11/06/82
Location: HASKELL RN AT PENINSULA OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 411404081324900
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 7.00
On/Off RF1:
RF3 Index: 04110002058200.00
RF3 Mile Point: 1.18
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0117

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	5	19.	18.34	20.	16.	2.528	1.59	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	5	880.	956.6	1200.	778.	28097.8	167.624	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	5	8.8	8.5	9.	7.7	0.37	0.608	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	5	88.	89.4	98.	82.	42.8	6.542	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/82-09/15/82	5	7.75	7.75	7.85	7.65	0.005	0.071	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/14/82-09/15/82	5	7.75	7.745	7.85	7.65	0.005	0.071	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-09/15/82	5	0.018	0.018	0.022	0.014	0.	0.003	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	6600.	6600.	6600.	6600.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	3.82	3.82	3.82	3.82	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			6600.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	1	5400.	5400.	5400.	5400.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/14/82-09/14/82	1	3.732	3.732	3.732	3.732	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			5400.								
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	3	1.3	1.2	1.3	1.	0.03	0.173	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0117

Parameter			Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
31625	FECAL COLIFORM, MF	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: CUVA0118

NPS Station ID: CUVA0118
LAT/LON: 41.238726/ -81.550392
Agency: 11NPSWRD
Date Created: 03/11/95
Location: PENINSULA CREEK
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_PECR
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED ON AN INTERMITTENT STREAM THAT IS A TRIBUTARY OF SLIPPERY RUN. SLIPPERY RUN IS A TRIBUTARY OF THE CUYAHOGA RIVER.
AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141. RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/87-09/30/93	27	15.	13.093	21.	0.	40.751	6.384	4.6	7.5	19.	21.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/30/93	36	410.	414.444	670.	180.	10939.683	104.593	268.	358.75	497.5	550.
00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/30/93	35	10.2	10.154	19.2	3.6	14.996	3.872	4.92	7.4	12.8	16.16
00310	BOD, 5 DAY, 20 DEG C MG/L	03/18/87-07/28/93	8 ##	1.5	1.75	4.	1.	1.071	1.035	**	**	**	**
00400	PH (STANDARD UNITS)	01/14/87-09/30/93	36	7.9	7.846	8.48	7.06	0.092	0.304	7.4	7.668	8.028	8.183
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-09/30/93	36	7.898	7.731	8.48	7.06	0.106	0.325	7.4	7.668	8.027	8.183
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-09/30/93	36	0.013	0.019	0.087	0.003	0.	0.017	0.007	0.009	0.022	0.04
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/30/93	36	108.5	109.417	160.	72.	430.536	20.749	83.2	94.25	124.75	134.2
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/16/87-07/28/93	9	0.44	0.42	0.64	0.09	0.026	0.16	0.09	0.35	0.535	0.64
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/16/87-07/28/93	9	0.03	0.069	0.3	0.02	0.008	0.091	0.02	0.022	0.085	0.3
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/87-09/30/93	8	190.	194.125	270.	137.	2183.268	46.725	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/30/93	36	54.	50.833	88.	23.	238.771	15.452	30.4	38.25	59.75	76.3
01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/87-09/30/93	7 ##	0.05	0.814	2.5	0.05	1.103	1.05	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/87-09/30/93	7 ##	2.	2.857	7.	1.	5.476	2.34	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/29/87-09/30/93	7	4.	6.286	22.	2.	48.905	6.993	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/29/87-09/30/93	7	207.	588.571	2400.	86.	672691.286	820.178	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/29/87-09/30/93	7	1.	1.214	2.	0.5	0.405	0.636	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/29/87-09/30/93	7 ##	1.5	4.143	20.	1.5	48.893	6.992	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/29/87-09/30/93	7	19.	20.143	46.	4.	331.81	18.216	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/30/93	36	94.	343.583	7400.	0.	1499609.85	1224.586	4.	25.75	190.	407.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/30/93	36	1.967	1.804	3.869	0.	0.667	0.817	0.602	1.41	2.279	2.592
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			63.716								
31648	E. COLI - MTEC-MF N0/100ML	04/13/92-09/30/93	6	147.	127.667	223.	25.	7601.467	87.186	**	**	**	**
31648	LOG E. COLI - MTEC-MF N0/1	04/13/92-09/30/93	6	2.15	1.966	2.348	1.398	0.185	0.43	**	**	**	**
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			92.546								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/30/93	36	2.	5.989	35.4	0.8	79.631	8.924	0.97	1.525	5.975	22.05
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/30/93	36	0.	0.014	0.47	0.	0.006	0.079	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: CUVA0118

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	35	1	0.03	18	1	0.06	5	0	0.00	12	0	0.00			
00400	PH	Other-Hi Lim.	9.	36	0	0.00	18	0	0.00	5	0	0.00	13	0	0.00			
		Other-Lo Lim.	6.5	36	0	0.00	18	0	0.00	5	0	0.00	13	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	36	0	0.00	18	0	0.00	5	0	0.00	13	0	0.00			
		Drinking Water	250.	36	0	0.00	18	0	0.00	5	0	0.00	13	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	7	0	0.00	6	0	0.00				1	0	0.00			
		Drinking Water	5.	7	0	0.00	6	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	7	0	0.00	6	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	7	1	0.14	6	1	0.17				1	0	0.00			
		Drinking Water	1300.	7	0	0.00	6	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	7	0	0.00	6	0	0.00				1	0	0.00			
		Drinking Water	15.	7	0	0.00	6	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	7	0	0.00	6	0	0.00				1	0	0.00			
		Drinking Water	100.	7	0	0.00	6	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	7	0	0.00	6	0	0.00				1	0	0.00			
		Drinking Water	5000.	7	0	0.00	6	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	36	8	0.22	18	4	0.22	5	1	0.20	13	3	0.23			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	6	3	0.50	4	3	0.75				2	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	36	0	0.00	18	0	0.00	5	0	0.00	13	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/87-09/30/93	18	17.	16.139	21.	7.	20.73	4.553	7.45	14.375	19.5	21.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/30/93	18	435.	440.278	670.	200.	11448.448	106.997	294.5	380.	510.	562.
00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/30/93	18	8.6	9.294	17.2	3.6	18.142	4.259	4.05	5.	13.05	15.76
00400	PH (STANDARD UNITS)	01/14/87-09/30/93	18	7.725	7.729	8.08	7.06	0.083	0.288	7.186	7.57	8.	8.062
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-09/30/93	18	7.725	7.626	8.08	7.06	0.094	0.307	7.186	7.57	8.	8.062
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-09/30/93	18	0.019	0.024	0.087	0.008	0.	0.02	0.009	0.01	0.027	0.065
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/30/93	18	120.5	117.722	160.	76.	371.507	19.275	91.3	102.75	127.5	145.6
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/30/93	18	55.	53.389	88.	23.	305.546	17.48	28.4	36.75	61.5	80.8
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/30/93	18	94.	517.5	7400.	7.	2957195.912	1719.65	19.6	48.75	195.	978.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/30/93	18	1.967	2.001	3.869	0.845	0.395	0.629	1.275	1.682	2.29	2.568
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			100.278								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/30/93	18	2.	5.6	35.4	0.9	75.851	8.709	0.99	1.25	6.85	21.09
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/30/93	18	0.	0.029	0.47	0.	0.012	0.111	0.	0.	0.	0.092

** - Less than 9 observations ## - Computed 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: 11/01 to 3/14 - Station CUVA0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/87-09/30/93	2	6.5	6.5	8.	5.	4.5	2.121	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/30/93	5	370.	368.	470.	240.	6820.	82.583	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/30/93	5	10.9	11.08	13.6	9.3	2.447	1.564	**	**	**	**
00400	PH (STANDARD UNITS)	01/14/87-09/30/93	5	8.	7.984	8.19	7.77	0.023	0.151	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-09/30/93	5	8.	7.963	8.19	7.77	0.023	0.153	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-09/30/93	5	0.01	0.011	0.017	0.006	0.	0.004	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/30/93	5	94.	92.6	113.	72.	223.3	14.943	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/30/93	5	34.	37.8	54.	24.	145.2	12.05	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/30/93	5	57.	82.6	240.	0.	9823.8	99.115	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/30/93	5	1.756	1.357	2.38	0.	1.024	1.012	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			22.776								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/30/93	5	2.	5.3	15.	1.6	32.89	5.735	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/30/93	5	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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/87-09/30/93	7	6.	7.143	18.	0.	33.476	5.786	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/30/93	13	400.	396.538	590.	180.	11168.269	105.68	220.	345.	440.	574.
00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/30/93	12	10.35	11.058	19.2	7.	14.934	3.864	7.12	7.65	12.725	18.54
00400	PH (STANDARD UNITS)	01/14/87-09/30/93	13	7.99	7.955	8.48	7.4	0.103	0.321	7.4	7.765	8.16	8.416
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-09/30/93	13	7.99	7.839	8.48	7.4	0.117	0.343	7.4	7.765	8.16	8.416
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-09/30/93	13	0.01	0.014	0.04	0.003	0.	0.012	0.004	0.007	0.017	0.04
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/30/93	13	97.	104.385	153.	79.	406.256	20.156	81.4	88.5	117.5	141.4
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/30/93	13	54.	52.308	77.	33.	132.231	11.499	37.	44.5	59.5	72.2
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/30/93	13	111.	203.154	1000.	0.	86112.141	293.449	1.6	5.	257.5	840.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/30/93	13	2.045	1.703	3.	0.	0.893	0.945	0.241	0.69	2.395	2.911
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			50.51								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/30/93	13	2.1	6.792	32.8	0.8	112.716	10.617	0.84	1.65	5.25	30.88
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/30/93	13	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

Station Inventory for Station: CUVA0119

NPS Station ID: CUVA0119
LAT/LON: 41.240281/ -81.614170
Agency: 112WRD
Date Created: 11/06/82
Location: FURNACE RN AT RICHFIELD OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 411425081365100
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 3.40
On/Off RF1:
RF3 Index: 04110002058400.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	5	20.4	20.24	22.2	18.2	2.728	1.652	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	2	4.	4.	6.	2.	8.	2.828	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	5	642.	642.8	655.	632.	81.7	9.039	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	5	8.5	8.66	9.2	8.2	0.178	0.422	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	5	94.	94.8	105.	87.	54.2	7.362	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/82-09/14/82	4	7.9	7.975	8.3	7.8	0.049	0.222	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/14/82-09/14/82	4	7.9	7.939	8.3	7.8	0.051	0.226	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-09/14/82	4	0.013	0.012	0.016	0.005	0.	0.005	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/17/82-08/17/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/17/82-08/17/82	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/17/82-08/17/82	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/17/82-08/17/82	1	720.	720.	720.	720.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/17/82-08/17/82	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/17/82-08/17/82	1	72.	72.	72.	72.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/17/82-08/17/82	1	2900.	2900.	2900.	2900.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/17/82-08/17/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/17/82-08/17/82	1	9100.	9100.	9100.	9100.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	300.	300.	300.	300.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	2.477	2.477	2.477	2.477	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			300.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	1	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/14/82-09/14/82	1	3.176	3.176	3.176	3.176	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1500.								
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/17/82-08/17/82	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	3	1.5	1.8	2.6	1.3	0.49	0.7	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0119

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
31625	FECAL COLIFORM, MF	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: CUVA0120

NPS Station ID: CUVA0120
LAT/LON: 41.241115/ -81.550226
Agency: 11NPSWRD
Date Created: 03/11/95
Location: STATE ROUTE 303 BRIDGE
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_SR_303
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED AT THE STATE ROUTE 303 BRIDGE CROSSING OVER THE CUYAHOGA RIVER.
STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0120

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/90-01/05/94	21	14.	13.19	20.5	0.	42.787	6.541	2.1	9.	19.75	20.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/93-01/05/94	20	575.	575.4	950.	355.	27648.989	166.28	360.5	425.	680.	799.
00300	OXYGEN, DISSOLVED MG/L	01/28/93-01/05/94	20	9.1	9.755	16.	5.5	11.046	3.324	5.91	7.05	12.	15.
00310	BOD, 5 DAY, 20 DEG C MG/L	04/15/93-01/05/94	6	2.25	2.617	4.	2.	0.682	0.826	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/93-01/05/94	20	7.72	7.732	8.08	7.4	0.029	0.17	7.483	7.623	7.853	7.969
00400	CONVERTED PH (STANDARD UNITS)	01/28/93-01/05/94	20	7.72	7.7	8.08	7.4	0.03	0.173	7.483	7.623	7.852	7.969
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/93-01/05/94	20	0.019	0.02	0.04	0.008	0.	0.008	0.011	0.014	0.024	0.033
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/93-01/05/94	20	132.	128.7	179.	76.	820.642	28.647	86.8	105.25	150.5	174.6
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/15/93-01/05/94	6	1.24	1.387	2.4	0.9	0.291	0.539	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/93-01/05/94	6	0.165	0.207	0.32	0.13	0.007	0.085	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/15/93-01/05/94	4	234.5	232.	241.	218.	116.667	10.801	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/28/93-01/05/94	20	108.	111.8	216.	51.	1645.221	40.561	63.9	84.25	134.75	182.9
01027	CADMIUM, TOTAL (UG/L AS CD)	04/15/93-01/05/94	4 ##	2.5	4.375	10.	2.5	14.063	3.75	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/15/93-01/05/94	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/15/93-01/05/94	4 ##	2.5	4.375	10.	2.5	14.063	3.75	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/15/93-01/05/94	4	530.	620.	980.	440.	61066.667	247.117	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/15/93-01/05/94	4 ##	1.5	8.875	31.	1.5	217.563	14.75	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/15/93-01/05/94	4 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/15/93-01/05/94	4	19.5	21.75	31.	17.	39.583	6.292	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/90-01/05/94	21	1160.	8769.19	71000.	118.	291537751.362	17074.477	148.	376.5	9750.	36240.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/90-01/05/94	21	3.064	3.258	4.851	2.072	0.72	0.849	2.17	2.574	3.989	4.517
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1813.13								
31648	E. COLI - MTEC-MF N0/100ML	04/02/90-01/05/94	21	1660.	5167.762	29100.	100.	59528093.69	7715.445	115.4	215.	6675.	18400.
31648	LOG E. COLI - MTEC-MF N0/1	04/02/90-01/05/94	21	3.22	3.132	4.464	2.	0.677	0.823	2.057	2.331	3.824	4.265
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			1355.371								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/28/93-01/05/94	20	4.8	26.885	342.	2.1	5718.131	75.618	2.2	3.85	10.025	52.88
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/02/90-04/02/90	1	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0120

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	20	0	0.00	9	0	0.00	4	0	0.00	7	0	0.00			
00400	PH	Other-Hi Lim.	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			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	20	0	0.00	9	0	0.00	4	0	0.00	7	0	0.00			
		Drinking Water	250.	20	0	0.00	9	0	0.00	4	0	0.00	7	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4	1	0.25	1	0	0.00	1	1	1.00	2	0	0.00			
		Drinking Water	5.	4	1	0.25	1	0	0.00	1	1	1.00	2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	1300.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	15.	4	1	0.25	1	0	0.00	1	1	1.00	2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	100.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	5000.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	21	18	0.86	9	6	0.67	4	4	1.00	8	8	1.00			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	21	19	0.90	9	7	0.78	4	4	1.00	8	8	1.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	20	3	0.15	9	1	0.11	4	1	0.25	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: CUVA0121

NPS Station ID: CUVA0121
LAT/LON: 41.241392/ -81.550004
Agency: 112WRD
Date Created: 11/06/82
Location: CUYAHOGA R AT PENINSULA OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 04206400
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 26.650
Distance from RF1: 17.40
On/Off RF1: OFF
RF3 Index: 04110002002001.41
RF3 Mile Point: 2.26
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0121

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/23/93	17	22.	19.518	24.1	0.	30.629	5.534	13.36	18.	22.4	23.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/20/93-09/23/93	4	17.05	17.05	19.	15.1	3.937	1.984	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	09/21/93-09/23/93	4	749.	748.	750.	744.	8.	2.828	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	2	341.	341.	477.	205.	36992.	192.333	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/23/93	17	895.	830.824	1087.	484.	35440.404	188.256	604.8	645.	986.5	1052.6
00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/23/93	12	8.3	7.192	9.7	3.9	5.092	2.256	3.93	4.65	9.075	9.55
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	5	48.	54.4	71.	44.	151.3	12.3	**	**	**	**
00320	BOD, ULTIMATE 1ST STAGE, 20 DEG C MG/L	09/14/82-09/15/82	5	23.	21.28	34.	9.4	101.792	10.089	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/82-09/23/93	11	7.8	7.782	8.	7.6	0.016	0.127	7.61	7.7	7.9	7.99
00400	CONVERTED PH (STANDARD UNITS)	09/14/82-09/23/93	11	7.8	7.766	8.	7.6	0.016	0.128	7.61	7.7	7.9	7.99
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-09/23/93	11	0.016	0.017	0.025	0.01	0.	0.005	0.01	0.013	0.02	0.025
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/13/92-09/23/93	8	113.	99.25	167.	4.	4670.214	68.339	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	09/20/93-09/23/93	4	0.1	0.175	0.4	0.1	0.023	0.15	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/20/93-09/23/93	4	0.07	0.068	0.1	0.03	0.001	0.03	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/20/93-09/23/93	4	1.57	1.558	1.76	1.33	0.046	0.215	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/20/93-09/23/93	4	5.15	4.925	6.3	3.1	2.056	1.434	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/20/93-09/23/93	4	5.55	6.325	9.2	5.	3.822	1.955	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/13/92-07/13/92	5	94.	93.6	95.	92.	1.3	1.14	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	09/20/93-09/23/93	4	10500.	9575.	14000.	3300.	20389166.667	4515.436	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	09/20/93-09/23/93	4	4.021	3.927	4.146	3.519	0.078	0.279	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			8443.231								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/13/92-07/13/92	4	36000.	39250.	53000.	32000.	87583333.333	9358.597	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/13/92-07/13/92	4	4.556	4.586	4.724	4.505	0.009	0.096	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			38504.165								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-07/13/92	1	54000.	54000.	54000.	54000.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-07/13/92	1	4.732	4.732	4.732	4.732	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			54000.								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	07/13/92-09/23/93	9	24000.	27011.111	67000.	1800.	451616111.111	21251.261	1800.	9150.	42500.	67000.
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	07/13/92-09/23/93	9	4.38	4.249	4.826	3.255	0.248	0.498	3.255	3.919	4.623	4.826
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			17745.336								
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	5	11.	11.02	21.	4.4	43.912	6.627	**	**	**	**
82133	DEOXYGENATION CONST,CARB.,K1 TO BASE E,20C,PER DAY	09/14/82-09/15/82	5	0.13	0.14	0.19	0.11	0.001	0.03	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0121

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	12	2	0.17	12	2	0.17									
00400	PH	Other-Hi Lim.	9.	11	0	0.00	11	0	0.00									
		Other-Lo Lim.	6.5	11	0	0.00	11	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	4	0	0.00	4	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	5	0	0.00									
		Drinking Water	250.	5	0	0.00	5	0	0.00									
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	4	4	1.00	4	4	1.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	4	1.00	4	4	1.00									
31625	FECAL COLIFORM, MF	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: CUVA0122

NPS Station ID: CUVA0122 LAT/LON: 41.241392/ -81.550004 Agency: 21OHIO Date Created: 10/13/84
Location: CUYAHOGA R. AT PENINSULA - S.R. 303 (RM 29.08) FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S14
RMI-Indexes: 0603002 Within Park Boundary: No
RMI-Miles: 0029.08
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 26.600 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 04110002001500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.02 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER.
LOCATION - SUMMIT CO.; LOCATED AT THE ST. RT. 303 BRIDGE AT PENINSULA.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0122

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/84-09/10/87	8	20.25	21.25	25.5	17.	8.786	2.964	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/84-09/10/87	8	731.5	735.75	945.	560.	13720.5	117.135	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/84-09/10/87	8	785.	761.75	875.	603.	8997.643	94.856	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/84-09/10/87	8	7.15	6.938	8.	4.7	1.16	1.077	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	06/24/87-09/10/87	3	24.	19.667	25.	10.	70.333	8.386	**	**	**	**
00400	PH (STANDARD UNITS)	07/30/84-09/10/87	8	7.575	7.581	8.	7.3	0.063	0.251	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/30/84-09/10/87	8	7.569	7.523	8.	7.3	0.067	0.258	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/84-09/10/87	8	0.027	0.03	0.05	0.01	0.	0.015	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/24/87-09/10/87	3	26.	29.167	59.	2.5	805.583	28.383	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/30/84-09/10/87	8	0.335	0.505	1.38	0.06	0.195	0.441	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/30/84-09/10/87	8	0.17	0.155	0.2	0.08	0.002	0.042	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/84-09/10/87	8	1.3	1.438	2.6	0.8	0.363	0.602	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/30/84-09/10/87	8	3.135	3.089	5.3	1.39	1.33	1.153	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/84-09/10/87	8	0.43	0.451	0.77	0.19	0.052	0.227	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/24/87-09/10/87	3	204.	217.333	244.	204.	533.333	23.094	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/24/87-09/10/87	3	59.5	63.067	70.3	59.4	39.243	6.264	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	08/12/85-08/12/85	1	2260.	2260.	2260.	2260.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/12/85-08/12/85	1	2380.	2380.	2380.	2380.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/24/87-09/10/87	3	13.5	14.567	16.7	13.5	3.413	1.848	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	08/12/85-08/12/85	1	196.	196.	196.	196.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	08/12/85-08/12/85	1	1350.	1350.	1350.	1350.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	06/24/87-09/10/87	3	3.	2.333	3.	1.	1.333	1.155	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/12/85-08/12/85	1	8.15	8.15	8.15	8.15	0.	0.	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	08/12/85-08/12/85	1	33.	33.	33.	33.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/24/87-09/10/87	3	0.4	1.167	3.	0.1	2.543	1.595	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/12/85-08/12/85	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/12/85-08/12/85	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/24/87-09/10/87	3 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/24/87-09/10/87	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/12/85-08/12/85	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/24/87-09/10/87	3	980.	1403.333	2870.	360.	1709433.333	1307.453	**	**	**	**

** - 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

Parameter Inventory for Station: CUVA0122

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051	LEAD, TOTAL (UG/L AS PB)	06/24/87-09/10/87	3	7.	7.	10.	4.	9.	3.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/12/85-08/12/85	1	9.02	9.02	9.02	9.02	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/12/85-08/12/85	1	350.	350.	350.	350.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/24/87-09/10/87	3	140.	121.667	150.	75.	1658.333	40.723	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/24/87-09/10/87	3 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/12/85-08/12/85	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/12/85-08/12/85	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/24/87-09/10/87	3	35.	33.333	35.	30.	8.333	2.887	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/12/85-08/12/85	1	87.	87.	87.	87.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/24/87-09/10/87	3	420.	663.333	1320.	250.	330633.333	575.007	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/12/85-08/12/85	1	7490.	7490.	7490.	7490.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/12/85-08/12/85	1	20700.	20700.	20700.	20700.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/18/84-09/26/84	2	1800.	1800.	2800.	800.	2000000.	1414.214	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/18/84-09/26/84	2	3.175	3.175	3.447	2.903	0.148	0.385	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1496.663								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/24/87-09/10/87	3	432.	432.667	464.	402.	961.333	31.005	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0122

				Total	Exceed	Prop.	----------7/01-10/31----------			----------11/01-3/14----------			----------3/15-6/30----------			----------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	Fresh Acute	4.	8	0	0.00	7	0	0.00				1	0	0.00			
00400	PH	Other-Hi Lim.	9.	8	0	0.00	7	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	7	0	0.00				1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	8	0	0.00	7	0	0.00				1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	8	0	0.00	7	0	0.00				1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	50.	3	0	0.00	2	0	0.00				1	0	0.00			
01027	CADMIUM, TOTAL	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			
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	2	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	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			
01051	LEAD, TOTAL	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			
01067	NICKEL, TOTAL	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			
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	5000.	3	0	0.00	2	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	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: CUVA0123

NPS Station ID: CUVA0123
LAT/LON: 41.241948/ -81.561392
Agency: 112WRD
Date Created: 11/06/82
Location: SLIPPER RN AT PENINSULA OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 411431081334400
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 04110002001803.67
RF3 Mile Point: 3.67
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	5	19.1	19.14	20.4	17.7	0.953	0.976	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	2	0.45	0.45	0.8	0.1	0.245	0.495	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	5	680.	641.2	680.	497.	6520.7	80.751	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	5	8.7	8.8	9.3	8.5	0.1	0.316	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	5	96.	96.4	101.	93.	8.8	2.966	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/82-09/14/82	4	7.95	7.975	8.2	7.8	0.029	0.171	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/14/82-09/14/82	4	7.947	7.951	8.2	7.8	0.03	0.173	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-09/14/82	4	0.011	0.011	0.016	0.006	0.	0.004	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/17/82-08/17/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/17/82-08/17/82	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/17/82-08/17/82	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/17/82-08/17/82	1	1100.	1100.	1100.	1100.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/17/82-08/17/82	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/17/82-08/17/82	1	67.	67.	67.	67.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/17/82-08/17/82	1	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/17/82-08/17/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/17/82-08/17/82	1	10000.	10000.	10000.	10000.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	38.	38.	38.	38.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	1.58	1.58	1.58	1.58	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			38.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	1	2300.	2300.	2300.	2300.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/14/82-09/14/82	1	3.362	3.362	3.362	3.362	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			2300.								
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/17/82-08/17/82	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	3	0.8	0.9	1.5	0.4	0.31	0.557	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0123

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
31625	FECAL COLIFORM, MF	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: CUVA0124

NPS Station ID: CUVA0124
LAT/LON: 41.244727/ -81.545837
Agency: 112WRD
Date Created: 11/06/82
Location: BOSTON RN AT PENINSULA OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 411441081324500
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 4.00
On/Off RF1:
RF3 Index: 04110002038100.00
RF3 Mile Point: 0.00
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	5	20.1	19.7	21.9	18.	2.525	1.589	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	2	0.6	0.6	0.9	0.3	0.18	0.424	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	5	742.	732.8	749.	688.	650.7	25.509	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	5	8.8	8.28	8.9	7.3	0.587	0.766	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	5	93.	90.	100.	77.	94.	9.695	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/82-09/14/82	4	7.975	7.888	8.1	7.5	0.074	0.272	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/14/82-09/14/82	4	7.969	7.816	8.1	7.5	0.081	0.284	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-09/14/82	4	0.011	0.015	0.032	0.008	0.	0.011	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/17/82-08/17/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/17/82-08/17/82	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/17/82-08/17/82	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/17/82-08/17/82	1	670.	670.	670.	670.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/17/82-08/17/82	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/17/82-08/17/82	1	48.	48.	48.	48.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/17/82-08/17/82	1	2000.	2000.	2000.	2000.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/17/82-08/17/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/17/82-08/17/82	1	6600.	6600.	6600.	6600.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	400.	400.	400.	400.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	2.602	2.602	2.602	2.602	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			400.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	1	1400.	1400.	1400.	1400.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/14/82-09/14/82	1	3.146	3.146	3.146	3.146	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1400.								
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/17/82-08/17/82	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	3	1.	1.1	1.7	0.6	0.31	0.557	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0124

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
31625	FECAL COLIFORM, MF	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: CUVA0125

NPS Station ID: CUVA0125
LAT/LON: 41.245448/ -81.544643
Agency: 11NPSWRD
Date Created: 03/11/95
Location: BOSTON RUN
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_BORU
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED ON BOSTON RUN - A TRIBUTARY OF THE CUYAHOGA RIVER. STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0125

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/84-09/19/94	45	13.5	12.389	20.	0.	28.544	5.343	3.9	9.	16.75	19.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/84-09/19/94	46	650.	630.826	820.	310.	14914.28	122.124	458.	560.	700.	765.
00300	OXYGEN, DISSOLVED MG/L	11/06/84-09/19/94	44	9.7	10.316	18.6	6.8	6.06	2.462	7.5	8.625	11.175	13.15
00310	BOD, 5 DAY, 20 DEG C MG/L	02/05/85-07/14/93	12	## 1.5	2.	5.	1.	2.182	1.477	1.	1.	2.	5.
00400	PH (STANDARD UNITS)	11/06/84-09/19/94	46	7.995	7.926	8.55	7.12	0.087	0.294	7.488	7.775	8.1	8.222
00400	CONVERTED PH (STANDARD UNITS)	11/06/84-09/19/94	46	7.995	7.816	8.55	7.12	0.099	0.315	7.488	7.775	8.1	8.222
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/84-09/19/94	46	0.01	0.015	0.076	0.003	0.	0.014	0.006	0.008	0.017	0.033
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/06/84-09/19/94	46	186.5	182.37	220.	86.	899.349	29.989	151.9	170.25	205.25	212.3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/94-07/19/94	1	## 0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/14/93	13	0.46	0.492	1.07	0.	0.116	0.341	0.06	0.205	0.745	1.058
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/14/93	13	0.02	0.202	1.38	0.01	0.154	0.392	0.01	0.01	0.265	1.04
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/86-09/09/93	9	339.	331.	417.	256.	1999.75	44.719	256.	298.	348.5	417.
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/19/94	43	40.	41.93	86.	16.	225.4	15.013	25.4	32.	53.	62.
01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/85-09/09/93	10	## 0.05	0.485	2.5	0.05	0.657	0.811	0.05	0.05	1.	2.35
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/85-09/09/93	10	2.5	6.1	24.	1.	68.767	8.293	1.	1.	8.5	23.5
01042	COPPER, TOTAL (UG/L AS CU)	04/30/85-09/09/93	10	2.25	3.25	8.	1.	4.736	2.176	1.1	2.	4.5	7.8
01045	IRON, TOTAL (UG/L AS FE)	04/30/85-09/09/93	10	284.	560.	2900.	76.	720478.222	848.81	79.2	121.5	556.75	2686.
01051	LEAD, TOTAL (UG/L AS PB)	04/30/85-09/09/93	10	1.25	2.3	11.	0.5	10.011	3.164	0.5	0.5	2.25	10.2
01067	NICKEL, TOTAL (UG/L AS NI)	04/30/85-09/09/93	10	3.5	5.45	20.	1.5	31.303	5.595	1.5	1.5	7.25	18.8
01092	ZINC, TOTAL (UG/L AS ZN)	04/30/85-09/09/93	10	19.5	37.7	107.	4.	1424.678	37.745	4.8	13.5	71.75	106.1
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	46	128.	492.37	4800.	10.	1133467.483	1064.644	24.4	49.	370.	1860.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	46	2.106	2.15	3.681	1.	0.407	0.638	1.387	1.688	2.568	3.269
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			141.239								
31648	E. COLI - MTEC-MF N0/100ML	07/18/91-09/19/94	11	144.	171.182	357.	48.	11845.364	108.836	48.	86.	280.	351.6
31648	LOG E. COLI - MTEC-MF N0/1	07/18/91-09/19/94	11	2.158	2.144	2.553	1.681	0.094	0.306	1.681	1.934	2.447	2.546
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			139.176								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/06/84-09/19/94	45	3.7	15.369	200.	0.6	1332.478	36.503	1.3	2.25	6.85	60.06
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/84-09/19/94	45	0.	0.02	0.47	0.	0.008	0.091	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: CUVA0125

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	44	0	0.00	24	0	0.00	4	0	0.00	16	0	0.00			
00400	PH	Other-Hi Lim.	9.	46	0	0.00	24	0	0.00	5	0	0.00	17	0	0.00			
		Other-Lo Lim.	6.5	46	0	0.00	24	0	0.00	5	0	0.00	17	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	43	0	0.00	23	0	0.00	3	0	0.00	17	0	0.00			
		Drinking Water	250.	43	0	0.00	23	0	0.00	3	0	0.00	17	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	10	0	0.00	9	0	0.00				1	0	0.00			
		Drinking Water	5.	10	0	0.00	9	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	10	0	0.00	9	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	10	0	0.00	9	0	0.00				1	0	0.00			
		Drinking Water	1300.	10	0	0.00	9	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	10	0	0.00	9	0	0.00				1	0	0.00			
		Drinking Water	15.	10	0	0.00	9	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	10	0	0.00	9	0	0.00				1	0	0.00			
		Drinking Water	100.	10	0	0.00	9	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	10	0	0.00	9	0	0.00				1	0	0.00			
		Drinking Water	5000.	10	0	0.00	9	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	46	14	0.30	24	12	0.50	5	0	0.00	17	2	0.12			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	11	7	0.64	8	7	0.88				3	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	45	4	0.09	23	2	0.09	5	0	0.00	17	2	0.12			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0125

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/84-09/19/94	24	16.5	15.167	20.	3.	18.71	4.326	7.5	13.25	18.	19.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/84-09/19/94	24	685.	653.542	820.	360.	11235.824	105.999	500.	580.	728.75	775.
00300	OXYGEN, DISSOLVED MG/L	11/06/84-09/19/94	24	9.65	10.408	18.6	7.2	9.306	3.051	7.35	8.5	12.225	16.15
00400	PH (STANDARD UNITS)	11/06/84-09/19/94	24	8.015	7.974	8.47	7.46	0.055	0.234	7.55	7.878	8.1	8.24
00400	CONVERTED PH (STANDARD UNITS)	11/06/84-09/19/94	24	8.015	7.909	8.47	7.46	0.059	0.243	7.55	7.878	8.1	8.24
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/84-09/19/94	24	0.01	0.012	0.035	0.003	0.	0.008	0.006	0.008	0.013	0.028
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/06/84-09/19/94	24	199.	195.917	220.	147.	345.732	18.594	166.	185.25	210.	215.
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/14/93	9	0.32	0.438	1.04	0.	0.123	0.351	0.	0.175	0.735	1.04
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/14/93	9	0.02	0.226	1.38	0.01	0.204	0.452	0.01	0.015	0.265	1.38
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/19/94	23	39.	39.435	68.	16.	212.075	14.563	16.4	26.	50.	60.8
01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/85-09/09/93	9 ##	0.05	0.533	2.5	0.05	0.713	0.844	0.05	0.05	1.	2.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/85-09/09/93	9	2.	6.444	24.	1.	76.028	8.719	1.	1.	12.	24.
01042	COPPER, TOTAL (UG/L AS CU)	04/30/85-09/09/93	9	2.5	3.389	8.	1.	5.111	2.261	1.	2.	5.	8.
01045	IRON, TOTAL (UG/L AS FE)	04/30/85-09/09/93	9	367.	608.222	2900.	76.	784377.444	885.651	76.	146.	624.5	2900.
01051	LEAD, TOTAL (UG/L AS PB)	04/30/85-09/09/93	9	1.	2.333	11.	0.5	11.25	3.354	0.5	0.5	2.5	11.
01067	NICKEL, TOTAL (UG/L AS NI)	04/30/85-09/09/93	9	3.	5.278	20.	1.5	34.882	5.906	1.5	1.5	6.5	20.
01092	ZINC, TOTAL (UG/L AS ZN)	04/30/85-09/09/93	9	16.	34.889	107.	4.	1513.861	38.908	4.	13.	62.	107.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	24	192.5	655.625	4500.	36.	1220678.158	1104.843	75.5	116.25	425.	2550.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	24	2.284	2.439	3.653	1.556	0.287	0.535	1.856	2.065	2.628	3.396
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			274.932								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/06/84-09/19/94	23	3.2	15.926	200.	0.6	1939.38	44.038	0.9	2.1	5.1	58.52
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/84-09/19/94	23	0.	0.038	0.47	0.	0.016	0.126	0.	0.	0.	0.244

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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0125

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/84-09/19/94	4	7.	7.625	14.5	2.	27.229	5.218	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/84-09/19/94	5	710.	726.	820.	640.	7330.	85.615	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/06/84-09/19/94	4	11.3	11.	12.1	9.3	1.593	1.262	**	**	**	**
00400	PH (STANDARD UNITS)	11/06/84-09/19/94	5	7.86	7.832	8.06	7.57	0.033	0.182	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/06/84-09/19/94	5	7.86	7.801	8.06	7.57	0.034	0.185	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/84-09/19/94	5	0.014	0.016	0.027	0.009	0.	0.007	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/06/84-09/19/94	5	191.	187.	219.	160.	705.5	26.561	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/14/93	1	0.31	0.31	0.31	0.31	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/14/93	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/19/94	3	45.	44.667	57.	32.	156.333	12.503	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	5	25.	58.2	180.	15.	4918.7	70.133	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	5	1.398	1.551	2.255	1.176	0.21	0.458	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			35.54								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/06/84-09/19/94	5	3.3	5.7	18.1	1.6	48.885	6.992	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/84-09/19/94	5	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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0125

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/84-09/19/94	17	10.	9.588	16.	0.	20.914	4.573	0.	7.75	13.25	14.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/84-09/19/94	17	600.	570.765	700.	310.	16524.941	128.549	330.	545.	674.	700.
00300	OXYGEN, DISSOLVED MG/L	11/06/84-09/19/94	16	9.7	10.006	13.6	6.8	2.542	1.594	7.78	9.25	10.9	12.76
00400	PH (STANDARD UNITS)	11/06/84-09/19/94	17	8.	7.886	8.55	7.12	0.149	0.386	7.264	7.55	8.155	8.31
00400	CONVERTED PH (STANDARD UNITS)	11/06/84-09/19/94	17	8.	7.714	8.55	7.12	0.18	0.425	7.264	7.55	8.155	8.31
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/84-09/19/94	17	0.01	0.019	0.076	0.003	0.	0.02	0.005	0.007	0.028	0.055

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0125

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/06/84-09/19/94	17	173.	161.882	194.	86.	1128.11	33.587	88.4	156.5	185.	191.6
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/05/85-07/14/93	3	0.62	0.717	1.07	0.46	0.1	0.316	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/05/85-07/14/93	3	0.04	0.193	0.53	0.01	0.085	0.292	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/17/84-09/19/94	17	40.	44.824	86.	27.	261.279	16.164	28.6	33.	55.5	73.2
01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/85-09/09/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/85-09/09/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/30/85-09/09/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/30/85-09/09/93	1	126.	126.	126.	126.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/30/85-09/09/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/30/85-09/09/93	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/30/85-09/09/93	1	63.	63.	63.	63.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	17	58.	389.588	4800.	10.	1321812.757	1149.701	20.4	35.	155.	1568.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/06/84-09/19/94	17	1.763	1.918	3.681	1.	0.386	0.621	1.289	1.544	2.19	3.041
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			82.76								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/06/84-09/19/94	17	5.	17.459	99.9	1.3	951.144	30.841	1.94	2.75	8.8	93.42
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/84-09/19/94	17	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

Station Inventory for Station: CUVA0126

NPS Station ID: CUVA0126 LAT/LON: 41.255949/ -81.473031 Agency: 21OHIO Date Created: 10/13/84
Location: BRANDYWINE CR 0.05 MI UPSTREAM OF HUDSON WWTP FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01W09
RMI-Indexes: 0603002 000390 Within Park Boundary: No
RMI-Miles: 0024.16 0008.00
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002000410.94 RF3 Mile Point: 11.65 Distance from RF3: 0.01 On/Off RF3:
Description:
PURPOSE - OHIO EPA WATER QUALITY MODELING FOR WASTELOAD ALLOCATION LOCATION - SUMMIT COUNTY; BRANDYWINE CREEK APPROX. 0.05 MI UPSTREAM OF THE HUDSON WWTP OUTFALL, NORTH OF TOWN 0.04 MI DOWNSTREAM OF THE OHIO TURNPIKE.
COLLECTION - 1984 SURVEY BY DIV. WQMA INCLUDED TOT, XS, Q, GRAB SAMPLES,

Parameter Inventory for Station: CUVA0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/25/84-07/24/91	5	23.	22.6	25.5	18.	9.175	3.029	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/25/84-07/25/84	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/25/84-07/25/84	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/08/84-07/24/91	4	567.	599.75	808.	457.	27009.583	164.346	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/84-07/24/91	4	607.	639.75	802.	543.	12652.917	112.485	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/25/84-07/24/91	5	5.8	5.88	7.7	4.1	2.747	1.657	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/25/84-09/05/84	5	3.	2.68	3.3	1.2	0.707	0.841	**	**	**	**
00324	BOD, 20 DAY, 20 DEG C MG/L	07/25/84-09/05/84	5	9.2	9.6	14.	6.2	8.06	2.839	**	**	**	**
00400	PH (STANDARD UNITS)	07/25/84-07/24/91	5	7.9	7.84	8.2	7.4	0.113	0.336	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/25/84-07/24/91	5	7.9	7.736	8.2	7.4	0.126	0.356	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/84-07/24/91	5	0.013	0.018	0.04	0.006	0.	0.014	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/25/84-07/25/84	2	7.65	7.65	7.7	7.6	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/25/84-07/25/84	2	7.647	7.647	7.7	7.6	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/84-07/25/84	2	0.023	0.023	0.025	0.02	0.	0.004	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/84-07/24/91	6	19.5	23.833	41.	9.	190.167	13.79	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/25/84-07/24/91	6	0.35	0.449	1.5	0.025	0.294	0.542	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/25/84-07/24/91	6	0.04	0.037	0.06	0.01	0.	0.019	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/25/84-07/24/91	6	1.25	1.317	2.3	0.8	0.318	0.564	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/25/84-07/24/91	6	0.165	0.202	0.44	0.05	0.018	0.133	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/84-07/24/91	5	0.09	0.138	0.27	0.06	0.008	0.089	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/25/84-07/24/91	6	171.	170.667	195.	145.	423.467	20.578	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/25/84-07/24/91	6	49.5	49.617	55.	43.7	22.834	4.778	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	10/30/85-10/30/85	1	15000.	15000.	15000.	15000.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	10/30/85-10/30/85	1	4800.	4800.	4800.	4800.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/25/84-07/24/91	5	10.3	11.04	14.	8.8	4.633	2.152	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	10/30/85-10/30/85	1 ##	124.5	124.5	124.5	124.5	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	10/30/85-10/30/85	1	775.	775.	775.	775.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/30/85-10/30/85	1	4.08	4.08	4.08	4.08	0.	0.	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/30/85-10/30/85	1	63.6	63.6	63.6	63.6	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/25/84-09/05/84	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/30/85-10/30/85	1	0.54	0.54	0.54	0.54	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: CUVA0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/30/85-10/30/85	1	9.44	9.44	9.44	9.44	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/25/84-09/05/84	5 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/25/84-07/24/91	6 ##	7.5	40.833	210.	5.	6874.167	82.911	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/30/85-10/30/85	1	17.5	17.5	17.5	17.5	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/25/84-07/24/91	3	1180.	1736.667	3170.	860.	1566433.333	1251.572	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/25/84-07/24/91	6	2.	2.	3.	1.	0.8	0.894	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/30/85-10/30/85	1	11.1	11.1	11.1	11.1	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/30/85-10/30/85	1	480.	480.	480.	480.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/25/84-09/05/84	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/30/85-10/30/85	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	10/30/85-10/30/85	1	30.1	30.1	30.1	30.1	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/25/84-07/24/91	6 ##	5.	8.333	15.	5.	26.667	5.164	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/30/85-10/30/85	1	56.7	56.7	56.7	56.7	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	10/30/85-10/30/85	1	7500.	7500.	7500.	7500.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/30/85-10/30/85	1	19500.	19500.	19500.	19500.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/08/84-07/24/91	4	366.	378.5	474.	308.	4931.667	70.226	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/16/84-09/05/84	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/25/84-09/05/84	5	2.	1.92	2.5	1.	0.307	0.554	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/25/84-09/05/84	5	5.2	4.98	6.2	2.7	1.817	1.348	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: CUVA0126

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00	6	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	6	0	0.00	6	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	5	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	6	1	0.17	6	1	0.17									
		Drinking Water	1300.	6	0	0.00	6	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	6	0	0.00	6	0	0.00									
		Drinking Water	15.	6	0	0.00	6	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	6	0	0.00	6	0	0.00									
		Drinking Water	5000.	6	0	0.00	6	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: CUVA0127

NPS Station ID: CUVA0127 LAT/LON: 41.260198/ -81.489142 Agency: 21OHIO Date Created: 10/13/84
Location: BRANDYWINE CRK NR HUDSON - HINES HILL RD RM=7.02 FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01W11
RMI-Indexes: 0603002 000390 Within Park Boundary: No
RMI-Miles: 0024.16 0007.02
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002059200.00 RF3 Mile Point: 0.00 Distance from RF3: 0.02 On/Off RF3:
Description:
PURPOSE - OHIO EPA WATER QUALITY MODELING FOR WASTELOAD ALLOCATION LOCATION - SUMMIT COUNTY; BRANDYWINE CREEK AT HINES HILL ROAD JUST NORTH OF HUDSON AND THE OHIO TURNPIKE, IMMEDIATELY WEST OF THE WALTERS ROAD INTERSECTION, APPROX. 0.93 MI DOWNSTREAM OF THE HUDSON WWTP. COLLECTION - 1984 SURVEY BY DIV. WQMA INCLUDES TOT, XS, Q, GRAB SAMPLES,

Parameter Inventory for Station: CUVA0127

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/84-04/09/93	9	21.	19.722	24.	13.5	12.694	3.563	13.5	16.5	22.5	24.
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/24/84-07/25/84	2	82.	82.	83.	81.	2.	1.414	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/84-07/25/84	2	2.	2.	2.	2.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/08/84-04/09/93	5	818.	865.8	1199.	710.	39015.2	197.523	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/84-07/24/91	4	894.	995.75	1380.	815.	67494.25	259.797	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/25/84-04/09/93	7	4.7	5.429	10.2	3.2	5.489	2.343	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/25/84-09/05/84	4	7.35	6.625	8.1	3.7	4.062	2.016	**	**	**	**
00324	BOD, 20 DAY, 20 DEG C MG/L	07/25/84-07/25/84	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/25/84-04/09/93	7	7.7	7.671	7.9	7.5	0.016	0.125	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/25/84-04/09/93	7	7.7	7.657	7.9	7.5	0.016	0.126	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/84-04/09/93	7	0.02	0.022	0.032	0.013	0.	0.006	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/25/84-07/25/84	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/25/84-07/25/84	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/84-07/25/84	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/84-07/24/91	5	18.	18.	34.	6.	110.	10.488	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/25/84-04/09/93	7	0.75	0.889	1.6	0.025	0.425	0.652	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/25/84-07/24/91	5	0.29	0.334	0.54	0.05	0.044	0.209	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/25/84-07/24/91	5	1.7	2.1	2.9	1.4	0.485	0.696	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/25/84-04/09/93	6	1.76	2.475	5.1	1.3	2.335	1.528	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/84-04/09/93	6	1.315	1.455	2.71	0.55	0.748	0.865	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/25/84-07/24/91	5	227.	261.4	348.	200.	4748.3	68.908	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/25/84-07/24/91	5	63.	71.56	91.9	56.8	278.853	16.699	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	10/30/85-10/30/85	1	12700.	12700.	12700.	12700.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	10/30/85-10/30/85	1	4850.	4850.	4850.	4850.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/25/84-07/24/91	5	17.	20.08	28.8	14.2	43.552	6.599	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	10/30/85-10/30/85	1	196.	196.	196.	196.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	10/30/85-10/30/85	1	477.	477.	477.	477.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/30/85-10/30/85	1	6.28	6.28	6.28	6.28	0.	0.	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	10/30/85-10/30/85	1	46.	46.	46.	46.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/25/84-09/05/84	4 ##	0.1	0.125	0.2	0.1	0.003	0.05	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/30/85-10/30/85	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: CUVA0127

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/30/85-10/30/85	1	9.74	9.74	9.74	9.74	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/25/84-09/05/84	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/25/84-07/24/91	5 ##	5.	9.	20.	5.	42.5	6.519	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/30/85-10/30/85	1	15.6	15.6	15.6	15.6	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/24/91-07/24/91	1	1620.	1620.	1620.	1620.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/25/84-07/24/91	5	2.	2.	4.	1.	1.5	1.225	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/30/85-10/30/85	1	12.9	12.9	12.9	12.9	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/30/85-10/30/85	1	356.	356.	356.	356.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/25/84-09/05/84	4 ##	20.	25.	40.	20.	100.	10.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/30/85-10/30/85	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	10/30/85-10/30/85	1	25.9	25.9	25.9	25.9	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/25/84-07/24/91	5	15.	13.	15.	10.	7.5	2.739	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/30/85-10/30/85	1	59.2	59.2	59.2	59.2	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	10/30/85-10/30/85	1	5400.	5400.	5400.	5400.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/30/85-10/30/85	1	19100.	19100.	19100.	19100.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/08/84-07/24/91	4	530.	592.5	824.	486.	24699.667	157.161	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/08/84-09/05/84	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/25/84-07/25/84	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/25/84-07/25/84	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: CUVA0127

				Total	Exceed	Prop.	----------7/01-10/31----------			----------11/01-3/14----------			----------3/15-6/30----------			----------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	Fresh Acute	4.	7	3	0.43	5	2	0.40				2	1	0.50			
00400	PH	Other-Hi Lim.	9.	7	0	0.00	5	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	7	0	0.00	5	0	0.00				2	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	5	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	6	0	0.00	5	0	0.00				1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00	4	0	0.00									
		Drinking Water	5.	4	0	0.00	4	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	1	0.20	5	1	0.20									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	0	0.00	5	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	4	0	0.00									
		Drinking Water	100.	4	0	0.00	4	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	5	0	0.00	5	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: CUVA0128

NPS Station ID: CUVA0128
LAT/LON: 41.262782/ -81.560282
Agency: 21OHIO
Date Created: 02/01/92
Location: CUYAHOGA R. AT BOSTON MILLS RD.
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM/BIO
STORET Station ID(s): F01A58
RMI-Indexes: 0603002
Within Park Boundary: Yes
RMI-Miles: 0026.50
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 04110002000408.63
RF3 Mile Point: 8.76
Distance from RF3: 0.01
On/Off RF3:
Description:
PURPOSE - INTENSIVE SURVEY OF THE LOWER CUYAHOGA RIVER. LOCATION - SUMMIT CO.; LOCATED AT THE BOSTON MILLS RD. BRIDGE, AT BOSTON MILLS, JUST DOWNSTREAM FROM I-271. COLLECTED BY THE OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST DISTRICT OFFICE, (216) 425-9171.

Parameter Inventory for Station: CUVA0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/11/91-09/24/91	6	21.5	21.467	24.8	15.5	11.327	3.366	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/11/91-09/24/91	6	700.	701.667	880.	600.	9776.667	98.877	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/11/91-09/24/91	6	8.9	8.917	9.4	8.5	0.182	0.426	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/11/91-09/24/91	6	14.5	16.	34.	5.	96.	9.798	**	**	**	**
00400	PH (STANDARD UNITS)	07/11/91-09/24/91	6	8.05	8.138	8.4	7.93	0.044	0.21	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/11/91-09/24/91	6	8.047	8.1	8.4	7.93	0.046	0.214	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/11/91-09/24/91	6	0.009	0.008	0.012	0.004	0.	0.003	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/11/91-09/24/91	6	22.	27.5	58.	10.	381.5	19.532	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/91-09/24/91	6 ##	0.068	0.099	0.25	0.025	0.009	0.093	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/91-09/24/91	6	0.065	0.068	0.1	0.04	0.001	0.023	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/11/91-09/24/91	6	0.7	0.683	0.8	0.5	0.014	0.117	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/11/91-09/24/91	6	4.005	3.708	4.68	2.43	0.935	0.967	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/91-09/24/91	6	0.18	0.193	0.32	0.12	0.006	0.075	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/11/91-09/24/91	6 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/11/91-09/24/91	6	258.	254.	274.	224.	313.6	17.709	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/11/91-09/24/91	6	74.5	73.667	80.	65.	25.867	5.086	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/11/91-09/24/91	6	17.5	17.	18.	15.	1.6	1.265	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/91-09/24/91	6	124.	126.667	142.	118.	91.067	9.543	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/11/91-09/24/91	6	2.	2.	3.	1.	0.8	0.894	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/11/91-09/24/91	6 ##	0.1	0.117	0.2	0.1	0.002	0.041	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/11/91-09/24/91	6 ##	15.	19.167	40.	15.	104.167	10.206	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/11/91-09/24/91	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/11/91-09/24/91	6 ##	1.5	1.833	4.	1.	1.367	1.169	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/11/91-09/24/91	6 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/11/91-09/24/91	6	35.	47.5	110.	25.	1007.5	31.741	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/11/91-09/24/91	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/11/91-09/24/91	6	546.	565.	658.	496.	3646.	60.382	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/11/91-09/24/91	6	1.2	1.25	2.	0.5	0.267	0.517	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0128

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	6	0	0.00	6	0	0.00									
00400	PH	Other-Hi Lim.	9.	6	0	0.00	6	0	0.00									
		Other-Lo Lim.	6.5	6	0	0.00	6	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00	6	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	6	0	0.00	6	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	6	0	0.00	6	0	0.00									
		Drinking Water	0.2	6	0	0.00	6	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	6	0	0.00	6	0	0.00									
		Drinking Water	250.	6	0	0.00	6	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	6	0	0.00	6	0	0.00									
		Drinking Water	50.	6	0	0.00	6	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	6	0	0.00	6	0	0.00									
		Drinking Water	5.	6	0	0.00	6	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	6	0	0.00	6	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	6	0	0.00	6	0	0.00									
		Drinking Water	1300.	6	0	0.00	6	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	6	0	0.00	6	0	0.00									
		Drinking Water	15.	6	0	0.00	6	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	6	0	0.00	6	0	0.00									
		Drinking Water	100.	6	0	0.00	6	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	6	0	0.00	6	0	0.00									
		Drinking Water	5000.	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

Station Inventory for Station: CUVA0129

NPS Station ID: CUVA0129 | LAT/LON: 41.263031/ -81.560059 | Agency: 11NPSWRD | Date Created: 03/11/95
Location: BOSTON MILLS ROAD BRIDGE | FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): CUVA_BOMI
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002 | Depth of Water: 0 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER | ECO Region:
RF1 Index: 04110002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 05040001065800.00 | RF3 Mile Point: 1.51 | Distance from RF3: 0.22 | On/Off RF3:
Description:
STATION IS LOCATED AT THE BOSTON MILLS ROAD BRIDGE CROSSING OVER THE CUYAHOGA RIVER.
STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/90-09/22/91	218	19.	18.131	25.	8.	19.316	4.395	11.	15.	22.	23.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/03/90-09/22/91	221	1600.	7170.299	139000.	0.	321685220.256	17935.585	410.	685.	4700.	14800.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/03/90-09/22/91	221	3.204	3.269	5.143	0.	0.53	0.728	2.613	2.836	3.671	4.17
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1859.007								
31648	E. COLI - MTEC-MF N0/100ML	04/03/90-09/22/91	219	750.	3721.858	72000.	0.	79623699.599	8923.211	130.	300.	2500.	9700.
31648	LOG E. COLI - MTEC-MF N0/1	04/03/90-09/22/91	219	2.875	2.912	4.857	0.	0.682	0.826	2.114	2.477	3.398	3.987
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			816.464								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/03/90-09/22/91	218	10.85	28.351	568.	2.6	3396.816	58.282	4.99	6.75	22.225	53.22
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/03/90-09/22/91	165	0.	0.075	1.28	0.	0.041	0.202	0.	0.	0.04	0.23

** - 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: CUVA0129

				Total	Exceed	Prop.	7/01-10/31			11/01-3/14			3/15-6/30			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	221	215	0.97	117	116	0.99	1	1	1.00	103	98	0.95			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	219	199	0.91	116	109	0.94	1	1	1.00	102	89	0.87			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	218	24	0.11	115	17	0.15	1	0	0.00	102	7	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: CUVA0130

NPS Station ID: CUVA0130
LAT/LON: 41.265642/ -81.564143
Agency: 11NPSWRD
Date Created: 03/11/95
Location: SPRING
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_SPCR
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED ON SPRING CREEK - A TRIBUTARY OF THE CUYAHOGA RIVER. STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/14/87-10/03/94	45	16.	13.856	25.	2.	45.234	6.726	3.6	6.75	19.75	21.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-10/03/94	45	1100.	1143.356	2500.	310.	105054.871	324.122	862.	1000.	1290.	1452.
00300	OXYGEN, DISSOLVED MG/L	01/14/87-10/03/94	42	9.9	10.264	18.2	2.6	10.833	3.291	6.46	7.55	12.	14.87
00310	BOD, 5 DAY, 20 DEG C MG/L	05/27/87-07/28/93	8	## 1.5	1.625	3.	1.	0.554	0.744	**	**	**	**
00400	PH (STANDARD UNITS)	01/14/87-10/03/94	45	8.05	8.019	8.38	7.5	0.044	0.209	7.7	7.83	8.2	8.248
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-10/03/94	45	8.05	7.965	8.38	7.5	0.047	0.216	7.7	7.83	8.2	8.248
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-10/03/94	45	0.009	0.011	0.032	0.004	0.	0.006	0.006	0.006	0.015	0.02
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-10/03/94	45	187.	182.622	300.	77.	1589.149	39.864	128.6	164.5	200.	222.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/94-10/03/94	6	## 0.02	0.062	0.23	0.01	0.008	0.087	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/15/87-07/28/93	11	0.35	0.436	0.93	0.24	0.041	0.203	0.244	0.3	0.5	0.876
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/87-10/03/94	17	0.04	0.051	0.23	0.01	0.003	0.053	0.01	0.02	0.07	0.118
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/87-09/09/93	9	373.	366.222	700.	151.	26945.944	164.152	151.	240.	438.	700.
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-10/03/94	45	194.	216.889	550.	98.	9120.056	95.499	129.2	144.5	281.5	327.
01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/87-09/09/93	8	## 0.05	0.969	4.	0.05	2.251	1.5	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/87-09/09/93	8	4.5	14.	77.	1.	664.571	25.779	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/29/87-09/09/93	8	4.5	15.125	43.	2.	294.411	17.158	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/29/87-09/09/93	8	398.5	1392.375	3790.	120.	2315992.554	1521.839	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/29/87-09/09/93	8	## 1.25	4.5	19.	0.5	44.571	6.676	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/29/87-09/09/93	8	## 2.25	17.625	72.	1.5	673.839	25.958	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/29/87-09/09/93	8	20.	134.	660.	4.	51201.714	226.278	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-10/03/94	43	290.	1788.326	34000.	0.	28937964.939	5379.402	25.6	90.	960.	4740.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-10/03/94	43	2.462	2.399	4.531	0.	0.961	0.98	1.407	1.954	2.982	3.667
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			250.42								
31648	E. COLI - MTEC-MF N0/100ML	07/01/91-10/03/94	13	700.	1127.769	5060.	0.	2033888.859	1426.145	17.6	207.5	1356.5	4236.
31648	LOG E. COLI - MTEC-MF N0/1	07/01/91-10/03/94	13	2.845	2.593	3.704	0.	0.904	0.951	0.657	2.269	3.132	3.613
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			392.166								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/18/87-10/03/94	44	4.5	195.193	6600.	0.5	992596.712	996.291	1.7	2.225	25.15	124.6
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-10/03/94	45	0.	0.05	1.	0.	0.03	0.173	0.	0.	0.	0.204

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

EPA Water Quality Criteria Analysis for Station: CUVA0130

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	42	1	0.02	24	0	0.00	4	0	0.00	14	1	0.07			
00400	PH	Other-Hi Lim.	9.	45	0	0.00	25	0	0.00	4	0	0.00	16	0	0.00			
		Other-Lo Lim.	6.5	45	0	0.00	25	0	0.00	4	0	0.00	16	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	45	0	0.00	25	0	0.00	4	0	0.00	16	0	0.00			
		Drinking Water	250.	45	13	0.29	25	4	0.16	4	3	0.75	16	6	0.38			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8	1	0.13	7	1	0.14				1	0	0.00			
		Drinking Water	5.	8	0	0.00	7	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	7	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	3	0.38	7	3	0.43				1	0	0.00			
		Drinking Water	1300.	8	0	0.00	7	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	15.	8	1	0.13	7	1	0.14				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	100.	8	0	0.00	7	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	8	3	0.38	7	2	0.29				1	1	1.00			
		Drinking Water	5000.	8	0	0.00	7	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	43	26	0.60	25	19	0.76	4	3	0.75	14	4	0.29			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	13	10	0.77	10	9	0.90				3	1	0.33			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	44	8	0.18	25	4	0.16	3	3	1.00	16	1	0.06			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/14/87-10/03/94	25	18.5	17.86	25.	6.	19.532	4.419	11.2	15.5	21.	22.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-10/03/94	25	1100.	1127.6	1500.	800.	37569.	193.827	862.	1000.	1275.	1452.
00300	OXYGEN, DISSOLVED MG/L	01/14/87-10/03/94	24	9.55	9.9	18.2	5.9	9.365	3.06	6.5	7.375	11.375	14.85
00400	PH (STANDARD UNITS)	01/14/87-10/03/94	25	8.	7.976	8.28	7.5	0.049	0.222	7.62	7.8	8.2	8.22
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-10/03/94	25	8.	7.916	8.28	7.5	0.053	0.23	7.62	7.8	8.2	8.22
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-10/03/94	25	0.01	0.012	0.032	0.005	0.	0.007	0.006	0.006	0.016	0.025
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-10/03/94	25	195.	199.56	300.	156.	857.34	29.28	170.4	183.5	210.5	235.2
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/15/87-07/28/93	9	0.35	0.456	0.93	0.26	0.046	0.215	0.26	0.32	0.58	0.93
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/87-10/03/94	13	0.04	0.045	0.09	0.01	0.001	0.027	0.01	0.02	0.07	0.086
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-10/03/94	25	162.	184.84	304.	117.	3419.64	58.478	124.8	139.5	234.5	295.6
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-10/03/94	25	400.	2504.04	34000.	0.	47126859.123	6864.901	51.6	198.	1361.5	6900.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-10/03/94	25	2.602	2.608	4.531	0.	0.995	0.998	1.161	2.294	3.12	3.826
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			405.228								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/18/87-10/03/94	25	4.9	321.94	6600.	1.2	1738322.118	1318.454	1.7	2.1	18.9	600.
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-10/03/94	25	0.	0.058	1.	0.	0.042	0.204	0.	0.	0.	0.204

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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/14/87-10/03/94	4	5.	5.125	7.5	3.	4.063	2.016	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-10/03/94	4	1315.	1530.	2500.	990.	444466.667	666.683	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/14/87-10/03/94	4	12.	11.825	12.2	11.1	0.243	0.492	**	**	**	**
00400	PH (STANDARD UNITS)	01/14/87-10/03/94	4	8.05	8.025	8.2	7.8	0.027	0.166	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-10/03/94	4	8.05	8.	8.2	7.8	0.028	0.168	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-10/03/94	4	0.009	0.01	0.016	0.006	0.	0.004	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-10/03/94	4	176.5	187.75	273.	125.	3923.583	62.639	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-10/03/94	4	284.	304.	550.	98.	34608.	186.032	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-10/03/94	4	2050.	2785.	7000.	40.	10395566.667	3224.216	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-10/03/94	4	3.128	2.926	3.845	1.602	1.015	1.008	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			842.573								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/18/87-10/03/94	3	75.	99.333	160.	63.	2796.333	52.88	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-10/03/94	4	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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/14/87-10/03/94	16	10.	9.781	19.	2.	35.866	5.989	2.	5.	16.	18.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-10/03/94	16	1100.	1071.313	1700.	310.	113342.229	336.663	408.7	947.5	1260.	1490.
00300	OXYGEN, DISSOLVED MG/L	01/14/87-10/03/94	14	10.6	10.443	17.	2.6	16.512	4.063	4.4	7.35	13.1	16.9
00400	PH (STANDARD UNITS)	01/14/87-10/03/94	16	8.08	8.085	8.38	7.7	0.036	0.19	7.7	8.008	8.238	8.31
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-10/03/94	16	8.08	8.042	8.38	7.7	0.038	0.195	7.7	8.008	8.237	8.31
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-10/03/94	16	0.008	0.009	0.02	0.004	0.	0.005	0.005	0.006	0.01	0.02
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-10/03/94	16	163.	154.875	200.	77.	1198.65	34.622	91.	133.25	183.	196.5
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/15/87-07/28/93	2	0.35	0.35	0.46	0.24	0.024	0.156	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/87-10/03/94	4	0.025	0.073	0.23	0.01	0.011	0.105	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-10/03/94	16	216.	245.188	465.	132.	9769.496	98.841	142.5	168.	317.	429.3
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-10/03/94	14	95.	225.5	1584.	0.	168435.192	410.409	12.	28.75	297.5	992.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-10/03/94	14	1.977	1.875	3.2	0.	0.568	0.754	0.69	1.459	2.473	2.901
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			74.963								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/18/87-10/03/94	16	3.8	15.125	85.	0.5	557.073	23.602	1.34	2.15	20.35	59.03
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-10/03/94	16	0.	0.05	0.5	0.	0.02	0.141	0.	0.	0.	0.36

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

Station Inventory for Station: CUVA0131

NPS Station ID: CUVA0131
LAT/LON: 41.265837/ -81.565837
Agency: 112WRD
Date Created: 11/06/82
Location: SPRING RN NR PENINSULA OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 411557081335100
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 1.90
On/Off RF1:
RF3 Index: 04110002058600.00
RF3 Mile Point: 0.15
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	5	20.6	20.54	23.	18.5	4.203	2.05	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	2	0.65	0.65	1.	0.3	0.245	0.495	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	5	1137.	1143.2	1160.	1125.	220.2	14.839	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	5	9.2	9.14	9.4	8.8	0.058	0.241	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	5	100.	100.4	108.	95.	25.3	5.03	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/82-09/14/82	4	8.2	8.225	8.4	8.1	0.023	0.15	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/14/82-09/14/82	4	8.189	8.206	8.4	8.1	0.023	0.152	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-09/14/82	4	0.006	0.006	0.008	0.004	0.	0.002	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/17/82-08/17/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/17/82-08/17/82	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/17/82-08/17/82	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/17/82-08/17/82	1	400.	400.	400.	400.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/17/82-08/17/82	1	27.	27.	27.	27.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/17/82-08/17/82	1	33.	33.	33.	33.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/17/82-08/17/82	1	2300.	2300.	2300.	2300.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/17/82-08/17/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/17/82-08/17/82	1	8000.	8000.	8000.	8000.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	310.	310.	310.	310.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	2.491	2.491	2.491	2.491	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			310.								
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/17/82-08/17/82	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	3	1.5	1.633	1.9	1.5	0.053	0.231	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0131

			Total	Exceed	Prop.	7/01-10/31			11/01-3/14			3/15-6/30			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	Fresh Acute	4.	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

EPA Water Quality Criteria Analysis for Station: CUVA0131

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
31625	FECAL COLIFORM, MF	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: CUVA0132

NPS Station ID: CUVA0132
LAT/LON: 41.274781/ -81.568726
Agency: 11NPSWRD
Date Created: 03/11/95
Location: COLUMBIA RUN
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_CORU
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED ON COLUMBIA RUN - A TRIBUTARY OF THE CUYAHOGA RIVER. STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/85-07/19/94	43	14.	12.023	20.	0.	36.059	6.005	3.5	6.	18.	19.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/16/85-07/19/94	43	590.	626.116	1180.	80.	77401.153	278.211	314.	380.	880.	1030.
00300	OXYGEN, DISSOLVED MG/L	07/16/85-07/19/94	41	10.4	10.524	16.6	6.9	6.187	2.487	7.52	8.2	12.35	13.92
00310	BOD, 5 DAY, 20 DEG C MG/L	03/26/86-07/21/93	10 ##	1.	1.2	2.	1.	0.178	0.422	1.	1.	1.25	2.
00400	PH (STANDARD UNITS)	07/16/85-07/19/94	43	7.9	7.871	8.15	7.2	0.044	0.209	7.54	7.8	8.02	8.08
00400	CONVERTED PH (STANDARD UNITS)	07/16/85-07/19/94	43	7.9	7.808	8.15	7.2	0.048	0.219	7.54	7.8	8.02	8.08
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/16/85-07/19/94	43	0.013	0.016	0.063	0.007	0.	0.011	0.008	0.01	0.016	0.031
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/16/85-07/19/94	42	136.	139.738	206.	54.	1661.71	40.764	91.	99.75	174.25	194.7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/94-07/19/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/26/86-07/21/93	13	0.28	0.24	0.46	0.	0.015	0.123	0.028	0.15	0.32	0.412
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/86-07/19/94	14 ##	0.01	0.019	0.08	0.01	0.	0.019	0.01	0.01	0.023	0.055
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/10/86-09/09/93	10	415.	415.3	646.	207.	20120.9	141.848	207.1	310.	515.	640.4
00940	CHLORIDE,TOTAL IN WATER MG/L	07/16/85-07/19/94	43	31.	34.372	78.	13.	155.287	12.461	20.8	26.	43.	50.2
01027	CADMIUM, TOTAL (UG/L AS CD)	04/23/86-09/09/93	9 ##	0.05	0.644	2.5	0.05	0.941	0.97	0.05	0.05	1.5	2.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/86-09/09/93	9 ##	2.	10.889	70.	1.	502.861	22.425	1.	1.	8.5	70.
01042	COPPER, TOTAL (UG/L AS CU)	04/23/86-09/09/93	9	2.	7.722	40.	0.5	172.569	13.137	0.5	1.	10.	40.
01045	IRON, TOTAL (UG/L AS FE)	04/23/86-09/09/93	9	114.	174.556	377.	72.	12763.528	112.976	72.	83.5	276.	377.
01051	LEAD, TOTAL (UG/L AS PB)	04/23/86-09/09/93	9	1.5	4.5	25.	0.5	62.063	7.878	0.5	0.75	4.5	25.
01067	NICKEL, TOTAL (UG/L AS NI)	04/23/86-09/09/93	9 ##	1.5	3.722	20.	1.5	37.507	6.124	1.5	1.5	2.25	20.
01092	ZINC, TOTAL (UG/L AS ZN)	04/23/86-09/09/93	9	8.	22.333	61.	4.	594.75	24.387	4.	4.	51.	61.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/16/85-07/19/94	41	67.	201.22	2000.	1.	128904.776	359.033	6.8	24.	211.5	628.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/16/85-07/19/94	41	1.826	1.821	3.301	0.	0.512	0.716	0.823	1.374	2.321	2.793
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			66.272								
31648	E. COLI - MTEC-MF N0/100ML	09/18/91-07/19/94	9	26.	44.444	120.	6.	1708.778	41.337	6.	11.	81.	120.
31648	LOG E. COLI - MTEC-MF N0/1	09/18/91-07/19/94	9	1.415	1.457	2.079	0.778	0.206	0.454	0.778	1.04	1.896	2.079
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			28.617								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/16/85-07/19/94	43	1.8	3.016	18.7	0.3	12.709	3.565	0.68	1.1	3.4	6.94
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/16/85-07/19/94	43	0.	0.	0.01	0.	0.	0.002	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: CUVA0132

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	41	0	0.00	23	0	0.00	4	0	0.00	14	0	0.00			
00400	PH	Other-Hi Lim.	9.	43	0	0.00	24	0	0.00	4	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	43	0	0.00	24	0	0.00	4	0	0.00	15	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	43	0	0.00	24	0	0.00	4	0	0.00	15	0	0.00			
		Drinking Water	250.	43	0	0.00	24	0	0.00	4	0	0.00	15	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	5.	9	0	0.00	8	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	8	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	9	1	0.11	8	1	0.13				1	0	0.00			
		Drinking Water	1300.	9	0	0.00	8	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	15.	9	1	0.11	8	0	0.00				1	1	1.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	100.	9	0	0.00	8	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	5000.	9	0	0.00	8	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	41	10	0.24	24	8	0.33	2	1	0.50	15	1	0.07			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	9	0	0.00	6	0	0.00				3	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	43	0	0.00	24	0	0.00	4	0	0.00	15	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/85-07/19/94	24	17.	15.896	20.	0.	18.565	4.309	10.5	15.	18.875	19.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/16/85-07/19/94	24	800.	767.5	1180.	80.	74523.913	272.991	355.	592.5	950.	1145.
00300	OXYGEN, DISSOLVED MG/L	07/16/85-07/19/94	23	8.8	9.361	13.6	7.	3.701	1.924	7.44	8.	11.6	12.22
00400	PH (STANDARD UNITS)	07/16/85-07/19/94	24	7.955	7.937	8.15	7.4	0.025	0.159	7.795	7.825	8.05	8.11
00400	CONVERTED PH (STANDARD UNITS)	07/16/85-07/19/94	24	7.955	7.903	8.15	7.4	0.027	0.163	7.795	7.825	8.05	8.11
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/16/85-07/19/94	24	0.011	0.013	0.04	0.007	0.	0.007	0.008	0.009	0.015	0.016
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/16/85-07/19/94	24	165.5	165.542	206.	115.	739.129	27.187	129.5	138.	187.75	203.
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/26/86-07/21/93	10	0.24	0.209	0.34	0.	0.013	0.114	0.007	0.13	0.305	0.338
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/86-07/19/94	11 ##	0.01	0.02	0.08	0.01	0.	0.021	0.01	0.01	0.02	0.07
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/10/86-09/09/93	9	420.	438.444	646.	208.	16609.778	128.879	208.	376.	540.	646.
00940	CHLORIDE,TOTAL IN WATER MG/L	07/16/85-07/19/94	24	34.5	35.875	78.	15.	200.636	14.165	19.5	26.	47.25	52.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/16/85-07/19/94	24	130.	224.917	1000.	20.	63118.428	251.234	29.	57.5	297.5	678.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/16/85-07/19/94	24	2.113	2.116	3.	1.301	0.222	0.471	1.462	1.759	2.473	2.831
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			130.535								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/16/85-07/19/94	24	1.75	2.646	18.7	0.5	13.142	3.625	0.7	0.95	2.85	4.6
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/16/85-07/19/94	24	0.	0.	0.01	0.	0.	0.002	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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/85-07/19/94	4	2.25	2.75	6.	0.5	6.417	2.533	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/16/85-07/19/94	4	515.	550.	910.	260.	75800.	275.318	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/16/85-07/19/94	4	12.5	12.075	13.	10.3	1.622	1.274	**	**	**	**
00400	PH (STANDARD UNITS)	07/16/85-07/19/94	4	7.93	7.915	8.02	7.78	0.01	0.102	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/16/85-07/19/94	4	7.929	7.906	8.02	7.78	0.011	0.103	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/16/85-07/19/94	4	0.012	0.012	0.017	0.01	0.	0.003	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/16/85-07/19/94	4	107.	111.75	173.	60.	2224.917	47.169	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/16/85-07/19/94	4	31.	33.75	53.	20.	194.25	13.937	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/16/85-07/19/94	2	1000.5	1000.5	2000.	1.	1998000.5	1413.506	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/16/85-07/19/94	2	1.651	1.651	3.301	0.	5.448	2.334	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			44.721								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/16/85-07/19/94	4	1.65	2.925	8.1	0.3	12.389	3.52	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/16/85-07/19/94	4	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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/85-07/19/94	15	7.	8.3	14.	3.5	11.171	3.342	4.4	6.	11.	14.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/16/85-07/19/94	15	400.	420.2	630.	219.	12175.457	110.342	273.6	360.	500.	594.
00300	OXYGEN, DISSOLVED MG/L	07/16/85-07/19/94	14	12.15	11.993	16.6	6.9	6.944	2.635	7.9	10.25	14.2	15.8
00400	PH (STANDARD UNITS)	07/16/85-07/19/94	15	7.8	7.753	8.08	7.2	0.064	0.254	7.266	7.75	7.87	8.032
00400	CONVERTED PH (STANDARD UNITS)	07/16/85-07/19/94	15	7.8	7.672	8.08	7.2	0.072	0.267	7.266	7.75	7.87	8.032
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/16/85-07/19/94	15	0.016	0.021	0.063	0.008	0.	0.016	0.009	0.013	0.018	0.055
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/16/85-07/19/94	14	98.5	103.5	142.	54.	535.192	23.134	71.	91.	121.75	140.
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/26/86-07/21/93	3	0.32	0.343	0.46	0.25	0.011	0.107	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/26/86-07/19/94	3 ##	0.01	0.017	0.03	0.01	0.	0.012	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/10/86-09/09/93	1	207.	207.	207.	207.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/16/85-07/19/94	15	31.	32.133	49.	13.	85.267	9.234	20.2	26.	40.	46.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/16/85-07/19/94	15	20.	56.733	300.	3.	7296.21	85.418	4.2	10.	48.	226.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/16/85-07/19/94	15	1.301	1.373	2.477	0.477	0.342	0.585	0.61	1.	1.681	2.341
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			23.609								

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/16/85-07/19/94	15	2.8	3.633	14.5	0.4	13.237	3.638	0.64	1.1	4.4	10.78
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/16/85-07/19/94	15	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

Station Inventory for Station: CUVA0133

NPS Station ID: CUVA0133
LAT/LON: 41.276531/ -81.538170
Agency: 21OHIO
Date Created: 10/13/84
Location: BRANDYWINE CREEK AT BRANDYWINE RD. (RM 1.95)
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): F01W16
RMI-Indexes: 0603002 000390
Within Park Boundary: Yes
RMI-Miles: 0024.16 0001.95
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 22.890
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 04110002001501.18
RF3 Mile Point: 3.20
Distance from RF3: 0.02
On/Off RF3:
Description:
PURPOSE - OHIO EPA WATER QUALITY MODELING FOR WASTELOAD ALLOCATION LOCATION - SUMMIT COUNTY; BRANDYWINE CREEK AT BRANDYWINE ROAD, JUST NORTH OF THE INTERSECTION WITH I-271 AND STANFORD ROAD, SOUTHWEST OF MACEDONIA AND NORTHEAST OF BOSTON, APPROX. 1.98 MI DOWNSTREAM OF THE MACEDONIA WWTP

Parameter Inventory for Station: CUVA0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/84-09/05/84	5	21.	20.5	23.	16.	8.5	2.915	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/23/84-07/23/84	1	83.	83.	83.	83.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/23/84-07/24/84	2	5.5	5.5	6.	5.	0.5	0.707	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/08/84-09/05/84	3	883.	835.667	900.	724.	9424.333	97.079	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/84-09/05/84	3	927.	942.333	1070.	830.	14576.333	120.732	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/84-09/05/84	5	7.7	7.76	9.1	6.4	1.038	1.019	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/24/84-09/05/84	5	4.5	4.76	5.7	3.8	0.798	0.893	**	**	**	**
00324	BOD, 20 DAY, 20 DEG C MG/L	07/24/84-07/24/84	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/25/84-07/25/84	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/25/84-09/05/84	4	8.15	8.075	8.2	7.8	0.036	0.189	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/25/84-09/05/84	4	8.147	8.041	8.2	7.8	0.037	0.193	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/84-09/05/84	4	0.007	0.009	0.016	0.006	0.	0.005	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/24/84-07/25/84	2	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/24/84-07/25/84	2	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/84-07/25/84	2	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/84-09/05/84	5 ##	2.5	3.9	7.	2.5	4.175	2.043	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/84-09/05/84	5	0.75	0.7	1.15	0.2	0.159	0.398	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/24/84-09/05/84	5	0.54	0.506	0.69	0.26	0.037	0.192	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/84-09/05/84	5	1.6	1.64	2.3	1.	0.313	0.559	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/24/84-09/05/84	5	5.	4.432	6.	2.3	2.77	1.664	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/84-09/05/84	5	0.58	0.522	0.72	0.35	0.026	0.162	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/24/84-07/25/84	2	251.	251.	296.	206.	4050.	63.64	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/24/84-07/25/84	2	79.95	79.95	80.3	79.6	0.245	0.495	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/24/84-07/25/84	2	23.25	23.25	23.3	23.2	0.005	0.071	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/24/84-07/25/84	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/24/84-07/25/84	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/24/84-07/24/84	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/25/84-07/25/84	1	400.	400.	400.	400.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/25/84-07/25/84	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/24/84-07/25/84	2 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/24/84-07/25/84	2	12.5	12.5	15.	10.	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: CUVA0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/25/84-09/05/84	4	607.	624.	734.	548.	8168.	90.377	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/24/84-07/24/84	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/24/84-07/24/84	1	5.1	5.1	5.1	5.1	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: CUVA0133

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	5	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	0	0.00	2	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	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.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	2	0	0.00									
		Drinking Water	5000.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: CUVA0134

NPS Station ID: CUVA0134
LAT/LON: 41.276670/ -81.538337
Agency: 112WRD
Date Created: 11/06/82
Location: BRANDYWINE C AT BOSTON HEIGHTS OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 411636081321800
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.90
On/Off RF1:
RF3 Index: 04110002037900.00
RF3 Mile Point: 0.05
Distance from RF3: 0.06
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0134

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	5	20.	20.86	22.8	20.	1.598	1.264	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	2	11.	11.	19.	3.	128.	11.314	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	5	1067.	992.4	1106.	660.	35304.3	187.894	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	5	8.1	7.34	9.5	5.1	3.228	1.797	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	5	91.	81.2	103.	55.	423.2	20.572	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/82-09/15/82	5	7.6	7.64	8.	7.3	0.073	0.27	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/14/82-09/15/82	5	7.6	7.576	8.	7.3	0.078	0.279	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-09/15/82	5	0.025	0.027	0.05	0.01	0.	0.016	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/18/82-08/18/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/18/82-08/18/82	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/18/82-08/18/82	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/18/82-08/18/82	1	51.	51.	51.	51.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/18/82-08/18/82	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/18/82-08/18/82	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/18/82-08/18/82	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/18/82-08/18/82	1	59.	59.	59.	59.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/18/82-08/18/82	1	2700.	2700.	2700.	2700.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/18/82-08/18/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/18/82-08/18/82	1	8300.	8300.	8300.	8300.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	4200.	4200.	4200.	4200.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	3.623	3.623	3.623	3.623	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			4200.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	1	4800.	4800.	4800.	4800.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/14/82-09/14/82	1	3.681	3.681	3.681	3.681	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			4800.								
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/18/82-08/18/82	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	3	2.7	2.967	3.6	2.6	0.303	0.551	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: CUVA0134

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
31625	FECAL COLIFORM, MF	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: CUVA0135

NPS Station ID: CUVA0135 LAT/LON: 41.281948/ -81.471115 Agency: 21OHIO Date Created: 03/29/80
Location: TINKERS CREEK AT SOLON - PETTIBONE RD. FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01P38
RMI-Indexes: 0603002 000230 Within Park Boundary: No
RMI-Miles: 0016.36 0011.24
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002002100.89 RF3 Mile Point: 1.58 Distance from RF3: 0.02 On/Off RF3:
Description:
PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS LOCATION-CUYAHOGA COUNTY; TINKERS CREEK AT PETTIBONE ROAD IN SOLON
RMI=1187.93/16.36/11.24 COLLECTION-OHIO EPA NORTHEAST DIST OFFICE
WATER USE DESIGNATION AS OF 01/28/80-WWH

Parameter Inventory for Station: CUVA0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/76-08/29/91	8	20.5	19.975	25.	11.	18.562	4.308	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/08/89-08/08/89	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/84-08/29/91	7	797.	713.571	900.	530.	23508.619	153.325	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/84-07/31/91	6	760.5	740.333	896.	565.	19920.267	141.139	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/04/76-08/29/91	8	7.15	7.413	9.4	5.9	1.041	1.02	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/04/76-08/04/76	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	08/04/76-08/29/91	10	21.	26.1	50.	12.	202.544	14.232	12.1	14.5	36.5	50.
00400	PH (STANDARD UNITS)	07/26/84-08/29/91	7	7.8	7.797	8.03	7.5	0.033	0.18	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/84-08/29/91	7	7.8	7.764	8.03	7.5	0.034	0.184	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/84-08/29/91	7	0.016	0.017	0.032	0.009	0.	0.008	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/07/72-08/04/76	2	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/07/72-08/04/76	2	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/07/72-08/04/76	2	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	08/04/76-07/30/91	2	506.5	506.5	577.	436.	9940.5	99.702	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/04/76-08/04/76	1	354.	354.	354.	354.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/04/76-08/29/91	9	51.	62.667	106.	40.	551.25	23.479	40.	41.	81.	106.
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	11/07/72-11/07/72	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/01/76-08/29/91	11	0.18	0.275	0.56	0.12	0.029	0.171	0.122	0.15	0.45	0.56
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/01/76-08/29/91	11	0.05	0.05	0.07	0.01	0.	0.019	0.014	0.04	0.07	0.07
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/01/76-08/29/91	11	1.	1.127	1.7	0.8	0.08	0.283	0.82	0.9	1.4	1.64
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/01/76-07/31/91	10	1.94	3.273	7.64	0.74	7.817	2.796	0.751	1.098	6.88	7.597
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/84-08/29/91	7	0.36	0.346	0.56	0.13	0.026	0.161	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/07/72-11/07/72	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/01/76-10/02/84	6 ##	0.003	0.003	0.005	0.003	0.	0.001	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/01/76-08/29/91	11	253.	229.545	272.	137.	2247.273	47.405	141.8	199.	265.	270.8
00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/84-08/29/91	9	70.1	64.678	76.	34.4	214.274	14.638	34.4	56.3	74.	76.
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	10/09/91-10/09/91	1	10800.	10800.	10800.	10800.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	10/09/91-10/09/91	1	3120.	3120.	3120.	3120.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/84-08/29/91	9	20.	18.156	20.7	11.7	12.158	3.487	11.7	15.75	20.25	20.7
00929	SODIUM, TOTAL (MG/L AS NA)	07/26/84-10/02/84	4	53.5	55.75	75.	41.	200.917	14.175	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/26/84-07/31/91	5	4.	5.22	9.1	4.	4.892	2.212	**	**	**	**

** - 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

Parameter Inventory for Station: CUVA0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	07/26/84-08/29/91	9	109.	101.667	124.	66.	415.75	20.39	66.	83.5	121.	124.
00945	SULFATE, TOTAL (MG/L AS SO4)	11/07/72-10/02/84	4	59.5	60.5	72.	51.	95.	9.747	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/10/91-07/31/91	3 ##	1.	1.333	2.	1.	0.333	0.577	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/09/91-10/09/91	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/01/76-08/29/91	11 ##	0.1	0.555	2.5	0.1	0.927	0.963	0.1	0.1	0.2	2.5
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/91-10/09/91	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/91-10/09/91	1	6.69	6.69	6.69	6.69	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/26/84-08/29/91	9 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042	COPPER, TOTAL (UG/L AS CU)	08/01/76-08/29/91	11 ##	15.	16.818	65.	5.	321.364	17.927	5.	5.	20.	58.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/09/91-10/09/91	1	19.1	19.1	19.1	19.1	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/07/72-08/29/91	10	2480.	2823.	4670.	1000.	1131601.111	1063.767	1118.	2210.	3677.5	4576.
01051	LEAD, TOTAL (UG/L AS PB)	08/01/76-08/29/91	11	5.	4.545	9.	1.	7.073	2.659	1.	3.	7.	8.8
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/09/91-10/09/91	1	24.8	24.8	24.8	24.8	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/09/91-10/09/91	1	363.	363.	363.	363.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/30/91-07/31/91	3	165.	178.333	205.	165.	533.333	23.094	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/26/84-08/29/91	9 ##	20.	20.	20.	20.	0.	0.	20.	20.	20.	20.
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/91-10/09/91	1	14.9	14.9	14.9	14.9	0.	0.	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	07/26/84-09/04/84	3 ##	100.	163.333	290.	100.	12033.333	109.697	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/01/76-08/29/91	11	25.	31.818	55.	15.	241.364	15.536	15.	20.	50.	55.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/09/91-10/09/91	1	96.1	96.1	96.1	96.1	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/84-10/02/84	4	1905.	2050.	3020.	1370.	658600.	811.542	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/10/91-07/31/91	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/09/91-10/09/91	1 ##	0.175	0.175	0.175	0.175	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/09/91-10/09/91	1	19900.	19900.	19900.	19900.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/07/72-10/02/84	7 ##	5.	3.714	5.	0.	3.571	1.89	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/01/76-08/04/76	2	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/26/84-08/29/91	9	518.	496.111	606.	332.	8853.111	94.091	332.	411.	577.5	606.
71900	MERCURY, TOTAL (UG/L AS HG)	08/01/76-08/04/76	2	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/08/89-07/31/91	2	6.3	6.3	6.9	5.7	0.72	0.849	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0135

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	8	0	0.00	8	0	0.00									
00400	PH	Other-Hi Lim.	9.	7	0	0.00	7	0	0.00									
		Other-Lo Lim.	6.5	7	0	0.00	7	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00	1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	11	0	0.00	11	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	10	0	0.00	10	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	6	0	0.00	6	0	0.00									
		Drinking Water	0.2	6	0	0.00	6	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	9	0	0.00	9	0	0.00									
		Drinking Water	250.	9	0	0.00	9	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	3	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									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	11	0	0.00	11	0	0.00									
		Drinking Water	5.	11	0	0.00	11	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	9	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	11	3	0.27	11	3	0.27									
		Drinking Water	1300.	11	0	0.00	11	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	11	0	0.00	11	0	0.00									
		Drinking Water	15.	11	0	0.00	11	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	9	0	0.00									
		Drinking Water	100.	9	0	0.00	9	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	11	0	0.00	11	0	0.00									
		Drinking Water	5000.	11	0	0.00	11	0	0.00									

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

EPA Water Quality Criteria Analysis for Station: CUVA0135

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01147	SELENIUM, TOTAL	Fresh Acute	20.	4	0	0.00	4	0	0.00									
		Drinking Water	50.	4	0	0.00	4	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: CUVA0136

NPS Station ID: CUVA0136 | LAT/LON: 41.283059/ -81.504809 | Agency: 21OHIO | Date Created: 10/13/84
Location: BRANDYWINE CREEK AT TWINSBURG RD S OF MACEDONIA | FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): F01W12
RMI-Indexes: 0603002 000390 | Within Park Boundary: No
RMI-Miles: 0024.16 0005.16
HUC: 04110002 | Depth of Water: 0 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER | ECO Region:
RF1 Index: 04110002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 04110002001504.70 | RF3 Mile Point: 5.13 | Distance from RF3: 0.08 | On/Off RF3:
Description:
PURPOSE - OHIO EPA WATER QUALITY MODELING FOR WASTELOAD ALLOCATION. LOCATION - SUMMIT COUNTY; BRANDYWINE CREEK AT TWINSBURG ROAD APPROX. 1 MI SOUTH OF MACEDONIA, JUST EAST OF S.R. 8, 2.79 MI DOWNSTREAM OF THE HUDSON WWTP AND 1.23 MI UPSTREAM OF THE MACEDONIA WWTP.
COLLECTION - 1984 SURVEY BY DIV. WQMA INCLUDED TOT, XS, Q, GRAB SAMPLES,

Parameter Inventory for Station: CUVA0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/84-07/24/91	3	23.	22.	23.	20.	3.	1.732	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/24/84-07/24/84	1	83.	83.	83.	83.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/84-07/24/84	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/24/91-07/24/91	1	787.	787.	787.	787.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/91-07/24/91	1	830.	830.	830.	830.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/25/84-07/24/91	2	6.15	6.15	6.2	6.1	0.005	0.071	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/25/84-07/25/84	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/25/84-07/24/91	2	7.8	7.8	7.9	7.7	0.02	0.141	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/25/84-07/24/91	2	7.789	7.789	7.9	7.7	0.02	0.142	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/84-07/24/91	2	0.016	0.016	0.02	0.013	0.	0.005	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/25/84-07/25/84	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/25/84-07/25/84	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/84-07/25/84	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/84-07/24/91	2 ##	8.75	8.75	15.	2.5	78.125	8.839	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/25/84-07/24/91	2	0.6	0.6	1.04	0.16	0.387	0.622	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/25/84-07/24/91	2	0.3	0.3	0.54	0.06	0.115	0.339	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/25/84-07/24/91	2	1.65	1.65	2.2	1.1	0.605	0.778	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/25/84-07/24/91	2	2.34	2.34	4.07	0.61	5.986	2.447	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/84-07/24/91	2	1.015	1.015	1.67	0.36	0.858	0.926	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/87-07/24/91	2	205.	205.	216.	194.	242.	15.556	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/21/87-07/24/91	2	58.1	58.1	60.	56.2	7.22	2.687	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/21/87-07/24/91	2	14.55	14.55	16.	13.1	4.205	2.051	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/21/87-09/21/87	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/21/87-09/21/87	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/21/87-07/24/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/24/91-07/24/91	1	1210.	1210.	1210.	1210.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/21/87-07/24/91	2 ##	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	09/21/87-09/21/87	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/24/91-07/24/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/91-07/24/91	1	510.	510.	510.	510.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0136

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	2	0	0.00	2	0	0.00									
00400	PH	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00									
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.	2	0	0.00	2	0	0.00									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	2	0	0.00									
		Drinking Water	15.	2	0	0.00	2	0	0.00									
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									

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

Station Inventory for Station: CUVA0137

NPS Station ID: CUVA0137 LAT/LON: 41.285559/ -81.562781 Agency: 21OHIO Date Created: / /
Location: BRANDYWINE CREEK NR MOUTH - TECUMSEH DR. FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 502040
RMI-Indexes: 0603002 000390 Within Park Boundary: Yes
RMI-Miles: 0024.16 0000.24
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 19.830 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002033800.00 RF3 Mile Point: 0.00 Distance from RF3: 0.08 On/Off RF3:
Description:
PURPOSE - 303 PROGRAM; MEASURES WATER QUALITY OF BRANDYWINE CRK. NEAR ITS MOUTH, ALSO TO MAKE CALCULATIONS ON THE LOADS CONTRIBUTED TO THE CUYAHOGA RIVER. LOCATION - ON WEST SIDE OF DRIVEWAY TO THE JAITE BOX CO., WHICH IS OFF HIGHLAND RD JUST EAST OF THE CUYAHOGA RIVER.

Parameter Inventory for Station: CUVA0137

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/73-07/24/91	20	17.6	16.875	26.	0.2	47.288	6.877	3.76	13.125	22.375	25.
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/08/73-10/10/73	10	6.	18.2	94.	3.	792.4	28.15	3.	3.	23.25	87.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/19/73-07/24/91	6	725.	755.333	926.	606.	14203.867	119.18	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/73-07/24/91	17	794.	691.176	1110.	180.	81592.654	285.644	204.	465.	870.5	1102.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/08/73-07/24/91	18	6.5	7.25	12.6	4.6	5.2	2.28	4.87	5.55	8.475	11.16
00310	BOD, 5 DAY, 20 DEG C MG/L	08/22/73-09/05/84	15	17.	16.06	29.	5.2	53.088	7.286	6.22	8.8	22.	26.
00324	BOD, 20 DAY, 20 DEG C MG/L	07/25/84-09/05/84	4	27.	27.5	38.	18.	99.667	9.983	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	08/08/73-07/25/84	14	36.	39.071	67.	4.	308.687	17.569	12.	31.	52.	65.5
00400	PH (STANDARD UNITS)	08/15/73-07/24/91	15	7.5	7.493	8.3	6.5	0.414	0.643	6.5	7.	8.	8.3
00400	CONVERTED PH (STANDARD UNITS)	08/15/73-07/24/91	15	7.5	7.092	8.3	6.5	0.586	0.766	6.5	7.	8.	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/73-07/24/91	15	0.032	0.081	0.316	0.005	0.011	0.107	0.005	0.01	0.1	0.316
00403	PH, LAB, STANDARD UNITS SU	08/08/73-07/25/84	2	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/08/73-07/25/84	2	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/73-07/25/84	2	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	08/08/73-08/21/75	14	545.5	536.857	678.	383.	13089.055	114.407	389.5	421.	656.	677.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/73-01/09/75	10	456.	475.	660.	190.	20776.889	144.142	209.1	397.5	627.25	657.7
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/08/73-07/24/91	9	26.	42.111	104.	11.	1053.611	32.459	11.	16.5	71.5	104.
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	08/15/73-03/27/75	3	0.5	0.467	0.7	0.2	0.063	0.252	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/08/73-07/24/91	20	0.2	0.426	3.7	0.	0.697	0.835	0.	0.031	0.375	1.283
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/08/73-07/24/91	7	0.15	0.141	0.31	0.	0.011	0.103	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/08/73-07/24/91	20	1.2	1.34	5.	0.1	1.056	1.028	0.23	0.925	1.5	2.46
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/08/73-07/24/91	19	2.2	2.459	5.5	0.2	2.553	1.598	0.34	1.2	4.	5.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/08/73-07/24/91	20	0.85	1.468	5.7	0.1	2.012	1.418	0.255	0.413	2.633	2.89
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/03/73-08/06/75	5	16.5	16.7	30.	5.	79.2	8.899	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/12/73-07/24/91	10	220.	213.2	264.	104.	1937.289	44.015	113.	197.	243.75	262.5
00916	CALCIUM, TOTAL (MG/L AS CA)	07/25/84-07/24/91	5	62.4	65.02	71.4	61.	21.552	4.642	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/25/84-07/24/91	5	16.7	17.72	20.9	16.	4.532	2.129	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/08/73-08/21/75	13	98.	99.	150.	31.	1424.167	37.738	41.4	65.5	135.	150.
00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/73-08/06/75	6	88.5	80.333	97.	40.	470.667	21.695	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/13/73-07/13/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	07/13/73-09/26/73	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

Parameter Inventory for Station: CUVA0137

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01027	CADMIUM, TOTAL (UG/L AS CD)	07/13/73-09/05/84	5	0.2	0.16	0.3	0.	0.013	0.114	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	07/13/73-03/27/75	2	15.	15.	30.	0.	450.	21.213	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/13/73-08/08/84	3 ##	15.	10.	15.	0.	75.	8.66	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/13/73-07/24/91	9	10.	12.778	40.	0.	150.694	12.276	0.	2.5	17.5	40.
01045	IRON, TOTAL (UG/L AS FE)	07/25/84-07/24/91	3	3230.	2986.667	4560.	1170.	2917433.333	1708.05	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/13/73-07/24/91	8	3.5	6.75	28.	0.	81.929	9.051	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/13/73-09/26/73	4	170.	160.	180.	120.	800.	28.284	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/25/84-09/05/84	4 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	07/13/73-07/13/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/13/73-07/24/91	8	20.	23.75	55.	0.	248.214	15.755	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/13/73-07/13/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/08/73-08/21/75	14	4550.	10619.286	43000.	110.	161539422.527	12709.816	485.	1175.	17000.	34500.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/08/73-08/21/75	14	3.641	3.613	4.633	2.041	0.539	0.734	2.488	3.07	4.223	4.524
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4103.089								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/08/73-08/21/75	14	4550.	6519.286	20000.	640.	36200253.297	6016.665	735.	1875.	9225.	17500.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	08/08/73-08/21/75	14	3.658	3.619	4.301	2.806	0.211	0.46	2.863	3.27	3.942	4.239
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			4162.105								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/08/73-09/05/84	15	6.	7.933	30.	0.	54.495	7.382	0.	5.	10.	20.4
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/08/73-08/21/75	11	0.31	0.275	0.43	0.15	0.009	0.095	0.156	0.18	0.36	0.416
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/25/84-07/24/91	6	544.	561.	638.	498.	3748.4	61.224	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/08/84-09/05/84	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/25/84-09/05/84	4	15.	13.15	19.	3.6	50.09	7.077	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/25/84-09/05/84	4	22.	21.25	30.	11.	84.917	9.215	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0137

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	18	0	0.00	17	0	0.00	1	0	0.00						
00400	PH	Other-Hi Lim.	9.	15	0	0.00	14	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	15	2	0.13	14	2	0.14	1	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	7	0	0.00	7	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	19	0	0.00	17	0	0.00	1	0	0.00	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	13	0	0.00	11	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	250.	13	0	0.00	11	0	0.00	1	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	2	0	0.00	2	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	2	1	0.50	1	0	0.00				1	1	1.00			
		Drinking Water	100.	2	0	0.00	1	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	3	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	9	2	0.22	9	2	0.22									
		Drinking Water	1300.	9	0	0.00	9	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	15.	8	1	0.13	7	1	0.14				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	4	0	0.00									
		Drinking Water	100.	4	0	0.00	4	0	0.00									
01077	SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	5000.	8	0	0.00	7	0	0.00				1	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									

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

EPA Water Quality Criteria Analysis for Station: CUVA0137

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	14	13	0.93	12	11	0.92	1	1	1.00	1	1	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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0137

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/73-07/24/91	18	19.	18.572	26.	10.6	22.121	4.703	11.86	15.	23.	25.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/73-07/24/91	15	795.	757.333	1110.	410.	53357.095	230.992	434.	490.	872.	1104.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/08/73-07/24/91	17	6.2	6.935	11.	4.6	3.631	1.906	4.84	5.5	8.3	10.2
00400	PH (STANDARD UNITS)	08/15/73-07/24/91	14	7.5	7.457	8.3	6.5	0.424	0.651	6.5	6.95	8.025	8.3
00400	CONVERTED PH (STANDARD UNITS)	08/15/73-07/24/91	14	7.5	7.065	8.3	6.5	0.59	0.768	6.5	6.95	8.025	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/73-07/24/91	14	0.032	0.086	0.316	0.005	0.012	0.109	0.005	0.009	0.115	0.316
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/08/73-07/24/91	18	0.175	0.419	3.7	0.	0.769	0.877	0.	0.019	0.325	1.576
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/08/73-07/24/91	18	1.2	1.456	5.	0.2	1.034	1.017	0.65	1.	1.5	2.75
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/08/73-07/24/91	17	2.3	2.716	5.5	0.68	2.202	1.484	0.936	1.4	4.	5.18
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/08/73-07/24/91	18	1.1	1.603	5.7	0.25	2.052	1.433	0.295	0.435	2.733	3.18
01042	COPPER, TOTAL (UG/L AS CU)	07/13/73-07/24/91	9	10.	12.778	40.	0.	150.694	12.276	0.	2.5	17.5	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 box-and-whisker plot

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0137

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/73-07/24/91	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/73-07/24/91	1	180.	180.	180.	180.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/08/73-07/24/91	1	12.6	12.6	12.6	12.6	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/15/73-07/24/91	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/15/73-07/24/91	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/73-07/24/91	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/08/73-07/24/91	1	0.21	0.21	0.21	0.21	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/08/73-07/24/91	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/08/73-07/24/91	1	0.34	0.34	0.34	0.34	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/08/73-07/24/91	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**

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Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0137

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/73-07/24/91	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/73-07/24/91	1	210.	210.	210.	210.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/08/73-07/24/91	1	0.77	0.77	0.77	0.77	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/08/73-07/24/91	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/08/73-07/24/91	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/08/73-07/24/91	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 box-and-whisker plot

Station Inventory for Station: CUVA0138

NPS Station ID: CUVA0138
LAT/LON: 41.285699/ -81.562392
Agency: 11NPSWRD
Date Created: 03/11/95
Location: BRANDYWINE CREEK
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_BRCR
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED ON BRANDYWINE CREEK - A TRIBUTARY OF THE CUYAHOGA RIVER. STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0138

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/86-10/03/94	47	15.5	14.043	22.	0.	39.02	6.247	4.8	9.	19.5	21.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/02/86-10/03/94	47	780.	800.319	1700.	350.	55554.787	235.701	480.	690.	950.	1084.
00300	OXYGEN, DISSOLVED MG/L	04/02/86-10/03/94	44	9.65	10.248	17.1	5.8	7.851	2.802	7.	8.05	12.475	14.6
00310	BOD, 5 DAY, 20 DEG C MG/L	04/02/86-07/22/93	12	2.	1.917	4.	1.	0.811	0.9	1.	1.	2.	3.7
00400	PH (STANDARD UNITS)	04/02/86-10/03/94	47	8.	7.955	8.88	6.5	0.141	0.376	7.58	7.8	8.1	8.39
00400	CONVERTED PH (STANDARD UNITS)	04/02/86-10/03/94	47	8.	7.711	8.88	6.5	0.202	0.45	7.58	7.8	8.1	8.39
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/02/86-10/03/94	47	0.01	0.019	0.316	0.001	0.002	0.045	0.004	0.008	0.016	0.026
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/02/86-10/03/94	46	145.	146.087	200.	83.	811.414	28.485	114.7	129.75	162.25	192.3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/94-10/03/94	6	0.03	0.033	0.07	0.01	0.	0.022	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/02/86-07/22/93	12	0.86	0.876	1.36	0.25	0.105	0.325	0.34	0.633	1.175	1.339
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/02/86-10/03/94	17	0.17	0.247	0.75	0.02	0.038	0.196	0.052	0.14	0.32	0.678
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/01/86-09/17/93	9	250.	254.333	324.	190.	1615.5	40.193	190.	230.	286.	324.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/02/86-10/03/94	47	151.	153.404	461.	49.	3973.333	63.034	90.2	117.	178.	201.4
01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/86-09/17/93	9 ##	0.05	0.867	3.	0.05	1.563	1.25	0.05	0.05	2.25	3.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/86-09/17/93	9	3.	5.556	21.	2.	40.278	6.346	2.	2.	7.5	21.
01042	COPPER, TOTAL (UG/L AS CU)	04/30/86-09/17/93	9	8.	10.222	26.	2.	61.444	7.839	2.	5.	15.5	26.
01045	IRON, TOTAL (UG/L AS FE)	04/30/86-09/17/93	9	1003.	1192.	2900.	10.	1121020.75	1058.783	10.	361.	2135.	2900.
01051	LEAD, TOTAL (UG/L AS PB)	04/30/86-09/17/93	9	1.5	4.667	21.	0.5	44.062	6.638	0.5	1.	7.	21.
01067	NICKEL, TOTAL (UG/L AS NI)	04/30/86-09/17/93	9	4.	6.889	20.	1.5	36.549	6.046	1.5	2.25	10.5	20.
01092	ZINC, TOTAL (UG/L AS ZN)	04/30/86-09/17/93	9	21.	52.222	147.	4.	3229.444	56.828	4.	12.	114.	147.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	43	792.	1569.814	10000.	10.	4118239.917	2029.345	129.6	280.	2100.	4060.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	43	2.899	2.876	4.	1.	0.349	0.59	2.109	2.447	3.322	3.608
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			752.401								
31648	E. COLI - MTEC-MF N0/100ML	07/10/91-10/03/94	13	340.	619.154	3000.	118.	551464.641	742.607	152.8	285.	648.	2096.
31648	LOG E. COLI - MTEC-MF N0/1	07/10/91-10/03/94	13	2.531	2.637	3.477	2.072	0.118	0.343	2.168	2.454	2.811	3.234
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			434.005								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/02/86-10/03/94	47	14.6	26.464	164.	2.6	1107.369	33.277	5.76	8.4	22.	69.68
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/02/86-10/03/94	47	0.	0.044	1.	0.	0.028	0.168	0.	0.	0.	0.08

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

EPA Water Quality Criteria Analysis for Station: CUVA0138

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	44	0	0.00	26	0	0.00	4	0	0.00	14	0	0.00			
00400	PH	Other-Hi Lim.	9.	47	0	0.00	27	0	0.00	4	0	0.00	16	0	0.00			
		Other-Lo Lim.	6.5	47	1	0.02	27	1	0.04	4	0	0.00	16	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	47	0	0.00	27	0	0.00	4	0	0.00	16	0	0.00			
		Drinking Water	250.	47	2	0.04	27	1	0.04	4	1	0.25	16	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	5.	9	0	0.00	8	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	8	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	9	2	0.22	8	2	0.25				1	0	0.00			
		Drinking Water	1300.	9	0	0.00	8	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	15.	9	1	0.11	8	1	0.13				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	100.	9	0	0.00	8	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	9	2	0.22	8	1	0.13				1	1	1.00			
		Drinking Water	5000.	9	0	0.00	8	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	43	36	0.84	26	23	0.88	3	3	1.00	14	10	0.71			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	13	12	0.92	10	9	0.90				3	3	1.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	47	8	0.17	27	6	0.22	4	0	0.00	16	2	0.13			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0138

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/86-10/03/94	27	19.	17.37	22.	0.	21.281	4.613	12.4	15.	20.	21.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/02/86-10/03/94	27	800.	810.185	1150.	350.	46320.157	215.221	480.	690.	1000.	1102.
00300	OXYGEN, DISSOLVED MG/L	04/02/86-10/03/94	26	8.5	8.715	15.2	5.8	3.501	1.871	6.8	7.35	9.925	10.66
00310	BOD, 5 DAY, 20 DEG C MG/L	04/02/86-07/22/93	9	2.	1.889	4.	1.	1.111	1.054	1.	1.	2.5	4.
00400	PH (STANDARD UNITS)	04/02/86-10/03/94	27	7.98	7.862	8.43	6.5	0.143	0.378	7.38	7.7	8.02	8.28
00400	CONVERTED PH (STANDARD UNITS)	04/02/86-10/03/94	27	7.98	7.584	8.43	6.5	0.223	0.473	7.38	7.7	8.02	8.28
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/02/86-10/03/94	27	0.01	0.026	0.316	0.004	0.003	0.059	0.005	0.01	0.02	0.042
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/02/86-10/03/94	27	150.	153.37	200.	83.	834.704	28.891	122.	135.	180.	195.2
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/02/86-07/22/93	9	0.84	0.806	1.36	0.25	0.112	0.334	0.25	0.575	1.035	1.36
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/02/86-10/03/94	13	0.2	0.265	0.75	0.02	0.049	0.22	0.036	0.115	0.335	0.714
00940	CHLORIDE,TOTAL IN WATER MG/L	04/02/86-10/03/94	27	160.	153.778	253.	53.	2358.641	48.566	89.8	113.	192.	211.2
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	26	821.	1204.423	4100.	116.	1294310.414	1137.678	180.1	400.	1447.5	3552.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	26	2.914	2.898	3.613	2.064	0.181	0.426	2.254	2.594	3.161	3.549
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			790.301								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/02/86-10/03/94	27	15.3	28.452	130.	5.6	1041.2	32.268	6.68	9.	24.7	80.4
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/02/86-10/03/94	27	0.	0.047	1.	0.	0.038	0.195	0.	0.	0.	0.08

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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0138

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/86-10/03/94	4	3.25	3.125	5.	1.	3.063	1.75	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/02/86-10/03/94	4	950.	987.5	1700.	350.	306691.667	553.797	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/02/86-10/03/94	4	12.45	12.3	12.6	11.7	0.167	0.408	**	**	**	**
00400	PH (STANDARD UNITS)	04/02/86-10/03/94	4	8.025	8.047	8.3	7.84	0.036	0.19	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/02/86-10/03/94	4	8.025	8.018	8.3	7.84	0.037	0.193	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/02/86-10/03/94	4	0.009	0.01	0.014	0.005	0.	0.004	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/02/86-10/03/94	4	151.	137.5	165.	83.	1363.667	36.928	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/02/86-10/03/94	4	165.5	210.25	461.	49.	31020.917	176.128	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	3	1630.	1976.667	3800.	500.	2812633.333	1677.091	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	3	3.212	3.164	3.58	2.699	0.196	0.442	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1457.629								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/02/86-10/03/94	4	16.5	20.	37.	10.	158.	12.57	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/02/86-10/03/94	4	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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0138

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/86-10/03/94	16	10.5	11.156	18.5	6.	21.557	4.643	6.	6.125	15.875	17.45
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/02/86-10/03/94	16	755.	736.875	1000.	430.	14929.583	122.187	549.	690.	800.	888.
00300	OXYGEN, DISSOLVED MG/L	04/02/86-10/03/94	14	13.3	12.507	17.1	7.5	7.707	2.776	8.15	9.85	14.5	16.25
00310	BOD, 5 DAY, 20 DEG C MG/L	04/02/86-07/22/93	3	2.	2.	2.	2.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/02/86-10/03/94	16	8.04	8.088	8.88	7.6	0.142	0.376	7.642	7.77	8.33	8.789
00400	CONVERTED PH (STANDARD UNITS)	04/02/86-10/03/94	16	8.04	7.965	8.88	7.6	0.158	0.397	7.642	7.77	8.33	8.789
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/02/86-10/03/94	16	0.009	0.011	0.025	0.001	0.	0.007	0.002	0.005	0.017	0.023
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/02/86-10/03/94	15	137.	135.267	165.	84.	516.924	22.736	97.8	119.	159.	163.2
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/02/86-07/22/93	3	1.1	1.087	1.29	0.87	0.044	0.21	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/02/86-10/03/94	4	0.165	0.19	0.29	0.14	0.005	0.068	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/02/86-10/03/94	16	138.	138.563	180.	75.	795.463	28.204	101.6	117.75	162.75	178.6
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	14	530.	2161.214	10000.	10.	9701432.951	3114.712	51.	138.75	3480.	8250.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	14	2.715	2.775	4.	1.	0.716	0.846	1.482	2.137	3.511	3.906
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			596.033								

** - 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 box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0138

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/02/86-10/03/94	16	13.55	24.725	164.	2.6	1538.106	39.219	4.56	6.475	19.825	84.9
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/02/86-10/03/94	16	0.	0.05	0.5	0.	0.02	0.141	0.	0.	0.	0.36

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

Station Inventory for Station: CUVA0139

NPS Station ID: CUVA0139 LAT/LON: 41.285837/ -81.560559 Agency: 21OHIO Date Created: 10/06/84
Location: BRANDYWINE CREEK UPST TECUMSEH DR. (RM 0.26) FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S49
RMI-Indexes: 0603002 000390 Within Park Boundary: Yes
RMI-Miles: 0024.16 0000.26
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 22.890 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002055900.00 RF3 Mile Point: 0.86 Distance from RF3: 0.02 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER AND ITS MAJOR TRIBUTARIES.
LOCATION - SUMMIT CO.; LOCATED JUST UPSTREAM FROM THE TECUMSEH CORP. OUTFALL; UPSTREAM FROM TECUMSEH DRIVE.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/08/84-09/05/84	3	19.5	20.	25.	15.5	22.75	4.77	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/08/84-09/05/84	3	872.	830.667	937.	683.	17410.333	131.948	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/84-09/05/84	3	841.	887.	1040.	780.	18487.	135.967	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/08/84-09/05/84	3	7.8	7.9	9.3	6.6	1.83	1.353	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/08/84-09/05/84	3	2.7	2.367	2.7	1.7	0.333	0.577	**	**	**	**
00324	BOD, 20 DAY, 20 DEG C MG/L	08/08/84-09/05/84	3	6.6	6.633	8.7	4.6	4.203	2.05	**	**	**	**
00400	PH (STANDARD UNITS)	08/08/84-09/05/84	3	8.1	8.1	8.2	8.	0.01	0.1	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/08/84-09/05/84	3	8.1	8.092	8.2	8.	0.01	0.1	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/08/84-09/05/84	3	0.008	0.008	0.01	0.006	0.	0.002	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/08/84-09/05/84	3	53.	58.333	112.	10.	2622.333	51.209	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/08/84-09/05/84	3	0.05	0.108	0.25	0.025	0.015	0.123	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/08/84-09/05/84	3	0.2	0.193	0.2	0.18	0.	0.012	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/08/84-09/05/84	3	0.9	0.933	1.	0.9	0.003	0.058	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/08/84-09/05/84	3	2.89	3.653	5.9	2.17	3.915	1.979	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/08/84-09/05/84	3	0.39	0.367	0.4	0.31	0.002	0.049	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/08/84-09/05/84	3 ##	5.	7.	11.	5.	12.	3.464	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/08/84-09/05/84	3	522.	549.333	606.	520.	2409.333	49.085	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/08/84-09/05/84	3	2.1	1.9	2.1	1.5	0.12	0.346	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/08/84-09/05/84	3	3.6	3.667	3.9	3.5	0.043	0.208	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0139

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	3	0	0.00	3	0	0.00									
00400	PH	Other-Hi Lim.	9.	3	0	0.00	3	0	0.00									
		Other-Lo Lim.	6.5	3	0	0.00	3	0	0.00									

& - 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: CUVA0139

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	3	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	3	0	0.00									

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

Station Inventory for Station: CUVA0140

NPS Station ID: CUVA0140
LAT/LON: 41.285837/ -81.562226
Agency: 112WRD
Date Created: 11/06/82
Location: BRANDYWINE C NR JAITE OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 04206420
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 22.930
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 04110002000126.99
RF3 Mile Point: 27.45
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/05/91	6	20.25	20.167	21.	19.5	0.367	0.606	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/03/93	6	23.5	20.833	29.	3.	84.167	9.174	**	**	**	**
00065	STAGE, STREAM (FEET)	09/04/91-09/03/93	5	6.3	6.284	6.37	6.2	0.004	0.063	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/05/91	6	865.	885.	1050.	800.	7790.	88.261	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/14/82	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/14/82	1	75.	75.	75.	75.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/82-09/14/82	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/14/82-09/14/82	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-09/14/82	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/04/91-09/03/93	7	105.	124.714	195.	101.	1182.905	34.393	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/04/91-09/03/93	7	107.	111.143	128.	101.	120.476	10.976	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/91-09/03/93	7	7700.	6500.	9300.	2100.	8130000.	2851.315	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/91-09/03/93	7	3.886	3.759	3.968	3.322	0.066	0.257	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5744.393								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-07/13/92	3	0.	120.	360.	0.	43200.	207.846	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-07/13/92	3	0.	0.852	2.556	0.	2.178	1.476	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			7.114								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	09/04/91-09/03/93	7	8100.	6742.857	10000.	0.	12466190.476	3530.749	**	**	**	**
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	09/04/91-09/03/93	7	3.908	3.324	4.	0.	2.167	1.472	**	**	**	**
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			2110.499								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	1	10000.	10000.	10000.	10000.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/14/82-09/14/82	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			10000.								
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/14/82	1	4.2	4.2	4.2	4.2	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: CUVA0140

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	7	0	0.00	7	0	0.00									
		Drinking Water	250.	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

EPA Water Quality Criteria Analysis for Station: CUVA0140

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	7	7	1.00	7	7	1.00									
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	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: CUVA0141

NPS Station ID: CUVA0141 | LAT/LON: 41.287227/ -81.565281 | Agency: 21OHIO | Date Created: 10/13/84
Location: CUYAHOGA R. AT JAITE - VAUGHN RD. (RM 24.10) | FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): F01S13
RMI-Indexes: 0603002 | Within Park Boundary: Yes
RMI-Miles: 0024.10
HUC: 04110002 | Depth of Water: 0 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER | ECO Region:
RF1 Index: 04110002001 | RF1 Mile Point: 22.600 | Distance from RF1: 0.00 | On/Off RF1: ON
RF3 Index: 04110002001500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.01 | On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER.
LOCATION - SUMMIT/CUYAHOGA CO. BORDER; LOCATED JUST EAST OF JAITE AT THE VAUGHN RD. (HIGHLAND RD.) BRIDGE.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/84-09/10/87	8	21.5	21.438	25.	16.5	8.96	2.993	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/84-09/10/87	8	769.	761.5	935.	560.	16443.143	128.231	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/84-09/10/87	8	819.	798.	931.	626.	10686.571	103.376	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/02/84-09/10/87	8	7.65	7.575	8.7	6.	0.925	0.962	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/02/84-08/02/84	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	06/24/87-09/10/87	3	29.	27.333	43.	10.	274.333	16.563	**	**	**	**
00400	PH (STANDARD UNITS)	08/02/84-09/10/87	8	7.7	7.694	8.2	7.4	0.069	0.262	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/02/84-09/10/87	8	7.689	7.634	8.2	7.4	0.073	0.27	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/02/84-09/10/87	8	0.02	0.023	0.04	0.006	0.	0.012	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/02/84-09/10/87	8	9.5	19.063	74.	2.5	610.388	24.706	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/02/84-09/10/87	8	0.15	0.606	3.47	0.025	1.388	1.178	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/02/84-09/10/87	8	0.155	0.159	0.34	0.03	0.01	0.101	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/02/84-09/10/87	8	1.15	1.663	5.2	0.7	2.248	1.499	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/02/84-09/10/87	8	3.125	3.556	5.7	2.5	1.272	1.128	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/02/84-09/10/87	8	0.535	0.45	0.7	0.16	0.058	0.241	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/24/87-09/10/87	3	207.	217.333	246.	199.	632.333	25.146	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/24/87-09/10/87	3	60.3	63.367	71.	58.8	44.263	6.653	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/24/87-09/10/87	3	13.8	14.433	16.7	12.8	4.103	2.026	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	06/24/87-09/10/87	3 ##	1.	1.667	3.	1.	1.333	1.155	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/24/87-09/10/87	3	0.4	0.333	0.5	0.1	0.043	0.208	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/24/87-09/10/87	3 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/24/87-09/10/87	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/24/87-09/10/87	3	830.	1516.667	3380.	340.	2664033.333	1632.187	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/24/87-09/10/87	3	6.	5.667	9.	2.	12.333	3.512	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/24/87-09/10/87	3	95.	96.667	150.	45.	2758.333	52.52	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/24/87-09/10/87	3 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/24/87-09/10/87	3	50.	78.333	160.	25.	5158.333	71.822	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/24/87-09/10/87	3	320.	723.333	1600.	250.	577633.333	760.022	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/02/84-09/26/84	4	935.	2850.	8800.	730.	15761933.333	3970.13	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/02/84-09/26/84	4	2.964	3.184	3.944	2.863	0.263	0.513	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1527.293								

** - 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

Parameter Inventory for Station: CUVA0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/22/87-07/22/87	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/84-09/10/87	8	506.	491.	572.	402.	3756.571	61.291	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: CUVA0141

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	8	0	0.00	7	0	0.00				1	0	0.00			
00400	PH	Other-Hi Lim.	9.	8	0	0.00	7	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	7	0	0.00				1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	8	0	0.00	7	0	0.00				1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	8	0	0.00	7	0	0.00				1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	50.	3	0	0.00	2	0	0.00				1	0	0.00			
01027	CADMIUM, TOTAL	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			
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	2	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	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			
01051	LEAD, TOTAL	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			
01067	NICKEL, TOTAL	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			
01092	ZINC, TOTAL	Fresh Acute	120.	3	1	0.33	2	1	0.50				1	0	0.00			
		Drinking Water	5000.	3	0	0.00	2	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	4	1.00	4	4	1.00									
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	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: CUVA0142

NPS Station ID: CUVA0142
LAT/LON: 41.294032/ -81.519476
Agency: 21OHIO
Date Created: 10/13/84
Location: INDIAN CREEK AT MOUTH - MACEDONIA
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): F01W15
RMI-Indexes: 0603002 000390 00400
Within Park Boundary: No
RMI-Miles: 0024.16 0003.89 000.01
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 04110002001503.28
RF3 Mile Point: 3.27
Distance from RF3: 0.02
On/Off RF3:
Description:
PURPOSE - OHIO EPA WATER QUALITY MODELING FOR WASTELOAD ALLOCATION LOCATION - SUMMIT COUNTY; INDIAN CREEK AT ITS MOUTH, JUST ABOVE THE CONFLUENCE WITH BRANDYWINE CREEK NEAR MACEDONIA. INDIAN CREEK IS 0.36 MI DOWNSTREAM OF S.R. 8, 0.04 MI DOWNSTREAM OF THE MACEDONIA WWTP AND 0.07 MI UPSTREAM OF HIGHLAND ROAD.

Parameter Inventory for Station: CUVA0142

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/84-07/24/84	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/84-07/24/84	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/84-07/24/84	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/24/84-07/24/84	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/24/84-07/24/84	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/84-07/24/84	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/84-04/23/90	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/84-04/23/90	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/24/84-04/23/90	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/84-04/23/90	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0142

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: CUVA0143

NPS Station ID: CUVA0143 LAT/LON: 41.294170/ -81.512226 Agency: 21OHIO Date Created: 03/29/80
Location: BRANDYWINE CREEK NR NORTHFIELD CENTER - S.R. 8 FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01P35
RMI-Indexes: 0603002 000390 Within Park Boundary: No
RMI-Miles: 0024.16 0004.27
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002000405.75 RF3 Mile Point: 6.35 Distance from RF3: 0.03 On/Off RF3:
Description:
PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS LOCATION-SUMMIT COUNTY; BRANDYWINE CREEK AT SR 8 NEAR NORTHFIELD CENTER
RMI=1187.93/24.16/4.27 COLLECTION-OHIO EPA NORTHEAST DIST OFFICE
WATER USE DESIGNATION AS OF 01/28/80-WWH

Parameter Inventory for Station: CUVA0143

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/75-08/21/75	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/75-08/21/75	1	900.	900.	900.	900.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/21/75-08/21/75	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/21/75-08/21/75	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/21/75-08/21/75	1	672.	672.	672.	672.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/75-08/21/75	1	0.94	0.94	0.94	0.94	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/21/75-08/21/75	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/75-08/21/75	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/21/75-08/21/75	1	2.01	2.01	2.01	2.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/21/75-08/21/75	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/75-08/21/75	1	180.	180.	180.	180.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/21/75-08/21/75	1	210.	210.	210.	210.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/21/75-08/21/75	1	2.322	2.322	2.322	2.322	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			210.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/21/75-08/21/75	1	400.	400.	400.	400.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	08/21/75-08/21/75	1	2.602	2.602	2.602	2.602	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			400.								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/21/75-08/21/75	1	0.43	0.43	0.43	0.43	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0143

Parameter				Total	Exceed	Prop.	7/01-10/31			11/01-3/14			3/15-6/30			n/a		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	1	1.00	1	1	1.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									

& - 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: CUVA0143

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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: CUVA0144

NPS Station ID: CUVA0144 LAT/LON: 41.294170/ -81.523060 Agency: 21OHIO Date Created: 03/29/80
Location: BRANDYWINE CREEK AT AKRON-CLEVELAND RD. (RM 3.7) FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01P36
RMI-Indexes: 0603002 000390 Within Park Boundary: No
RMI-Miles: 0024.16 0003.70
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002001503.28 RF3 Mile Point: 3.27 Distance from RF3: 0.02 On/Off RF3:
Description:
PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS LOCATION-SUMMIT COUNTY; BRANDYWINE CREEK AT AKRON-CLEVELAND ROAD NEAR NORTHFIELD CENTER RMI=1187.93/24.16/3.70
COLLECTION-OHIO EPA NORTHEAST DIST OFFICE

Parameter Inventory for Station: CUVA0144

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/75-09/05/84	6	21.	20.25	22.	16.5	3.775	1.943	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/84-07/24/84	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/08/84-09/05/84	3	970.	972.333	1096.	851.	15010.333	122.517	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/75-09/05/84	4	933.5	1004.25	1260.	890.	29518.917	171.811	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/21/75-09/05/84	5	4.9	5.34	7.1	3.5	2.023	1.422	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/21/75-09/05/84	5	6.	5.94	7.8	3.9	3.033	1.742	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/25/84-07/25/84	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/25/84-09/05/84	4	7.5	7.525	7.6	7.5	0.002	0.05	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/25/84-09/05/84	4	7.5	7.523	7.6	7.5	0.003	0.05	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/84-09/05/84	4	0.032	0.03	0.032	0.025	0.	0.003	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/25/84-07/25/84	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/25/84-07/25/84	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/84-07/25/84	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/21/75-08/21/75	1	602.	602.	602.	602.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/84-09/05/84	4	11.5	10.75	14.	6.	12.917	3.594	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/75-09/05/84	5	3.55	4.432	8.9	2.34	6.977	2.641	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/25/84-09/05/84	4	0.295	0.31	0.39	0.26	0.003	0.056	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/21/75-09/05/84	5	4.6	5.62	10.	3.7	6.417	2.533	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/75-09/05/84	5	1.75	1.818	3.03	0.83	0.616	0.785	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/21/75-09/05/84	5	0.75	1.324	4.19	0.37	2.606	1.614	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/25/84-09/05/84	4	271.5	274.5	316.	239.	1253.667	35.407	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/25/84-09/05/84	4	74.5	76.	85.9	69.1	61.8	7.861	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/25/84-09/05/84	4	20.75	20.575	24.7	16.1	15.449	3.931	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/75-08/21/75	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/25/84-09/05/84	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/25/84-09/05/84	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/08/84-09/05/84	3	10.	10.	15.	5.	25.	5.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/25/84-07/25/84	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/25/84-09/05/84	4	2.5	2.5	3.	2.	0.333	0.577	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/25/84-09/05/84	4 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/25/84-09/05/84	4	25.	23.75	30.	15.	56.25	7.5	**	**	**	**

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

Parameter Inventory for Station: CUVA0144

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	08/21/75-08/21/75	1	40000.	40000.	40000.	40000.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/21/75-08/21/75	1	4.602	4.602	4.602	4.602	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			40000.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/21/75-08/21/75	1	7300.	7300.	7300.	7300.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	08/21/75-08/21/75	1	3.863	3.863	3.863	3.863	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			7300.								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/21/75-08/21/75	1	0.32	0.32	0.32	0.32	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/25/84-09/05/84	4	565.	527.5	694.	286.	29651.667	172.197	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/08/84-09/05/84	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: CUVA0144

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	1	0.20	5	1	0.20									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00	4	0	0.00									
		Drinking Water	5.	4	0	0.00	4	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	3	0	0.00	3	0	0.00									
		Drinking Water	1300.	3	0	0.00	3	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	4	0	0.00									
		Drinking Water	15.	4	0	0.00	4	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	4	0	0.00									
		Drinking Water	100.	4	0	0.00	4	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	4	0	0.00	4	0	0.00									
		Drinking Water	5000.	4	0	0.00	4	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00	1	1	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: CUVA0145

NPS Station ID: CUVA0145 LAT/LON: 41.294309/ -81.518477 Agency: 21OHIO Date Created: 10/13/84
Location: BRANDYWINE CR JUST UPSTREAM OF MACEDONIA WWTP FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01W13
RMI-Indexes: 0603002 000390 Within Park Boundary: No
RMI-Miles: 0024.16 0003.95
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 30.90 On/Off RF1:
RF3 Index: 04110002001504.34 RF3 Mile Point: 4.34 Distance from RF3: 0.02 On/Off RF3:
Description:
PURPOSE - OHIO EPA WATER QUALITY MODELING FOR WASTELOAD ALLOCATION THE MACEDONIA WWTP OUTFALL, SOUTH OF TOWN 0.06 MI UPSTREAM OF INDIAN RUN AND 0.3 MI DOWNSTREAM OF S.R. 8 LOCATION - SUMMIT COUNTY; BRANDYWINE CREEK APPROX. 100 FEET UPSTREAM OF COLLECTION - 1984 SURVEY BY DIV. WQMA INCLUDED TOT, XS, Q, GRAB SAMPLES,

Parameter Inventory for Station: CUVA0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/84-09/05/84	5	21.	20.5	23.	15.5	9.5	3.082	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/24/84-07/24/84	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/84-07/24/84	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/08/84-09/05/84	3	981.	1010.333	1253.	797.	52629.333	229.411	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/08/84-09/05/84	3	959.	1124.667	1460.	955.	84340.333	290.414	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/84-09/05/84	5	5.	5.14	6.4	4.2	0.838	0.915	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/24/84-09/05/84	5	3.	2.94	3.4	2.4	0.138	0.371	**	**	**	**
00324	BOD, 20 DAY, 20 DEG C MG/L	07/24/84-09/05/84	5	7.6	7.96	9.6	6.6	1.293	1.137	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/25/84-07/25/84	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/24/84-09/05/84	5	7.6	7.7	7.9	7.5	0.035	0.187	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/24/84-09/05/84	5	7.6	7.669	7.9	7.5	0.036	0.19	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/84-09/05/84	5	0.025	0.021	0.032	0.013	0.	0.008	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/24/84-07/25/84	2	7.75	7.75	7.8	7.7	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/24/84-07/25/84	2	7.747	7.747	7.8	7.7	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/84-07/25/84	2	0.018	0.018	0.02	0.016	0.	0.003	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/84-09/05/84	5	12.	13.	20.	5.	31.	5.568	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/84-09/05/84	5	0.26	0.284	0.35	0.24	0.002	0.048	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/24/84-09/05/84	5	0.26	0.244	0.34	0.15	0.005	0.072	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/84-09/05/84	5	1.3	1.24	1.3	1.1	0.008	0.089	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/24/84-09/05/84	5	3.33	3.304	4.93	2.14	1.175	1.084	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/84-09/05/84	5	1.17	1.054	1.42	0.6	0.157	0.396	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/24/84-09/05/84	5	309.	311.8	376.	240.	3959.2	62.922	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/24/84-09/05/84	5	95.2	86.82	99.7	67.5	245.977	15.684	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/24/84-09/05/84	5	29.8	25.68	31.4	17.3	45.647	6.756	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/24/84-09/05/84	5 ##	0.1	0.16	0.3	0.1	0.008	0.089	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/24/84-09/05/84	5 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/24/84-09/05/84	4	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/24/84-07/25/84	2	965.	965.	1050.	880.	14450.	120.208	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/25/84-09/05/84	4	2.5	2.25	3.	1.	0.917	0.957	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/24/84-09/05/84	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/24/84-09/05/84	5	10.	18.	50.	5.	332.5	18.235	**	**	**	**

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

Parameter Inventory for Station: CUVA0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/08/84-09/05/84	3	598.	700.667	912.	592.	33505.333	183.045	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/08/84-08/16/84	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/24/84-09/05/84	5	1.8	1.9	2.4	1.5	0.125	0.354	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/24/84-09/05/84	5	4.5	4.44	5.4	3.6	0.623	0.789	**	**	**	**

** - 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

EPA Water Quality Criteria Analysis for Station: CUVA0145

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	5	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	5	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	4	0	0.00	4	0	0.00									
		Drinking Water	1300.	4	0	0.00	4	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	4	0	0.00									
		Drinking Water	15.	4	0	0.00	4	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	5	0	0.00	5	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: CUVA0146

NPS Station ID: CUVA0146
LAT/LON: 41.296392/ -81.570281
Agency: 112WRD
Date Created: 11/06/82
Location: CUYAHOGA R AT JAITE OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 411747081341300
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 13.80
On/Off RF1:
RF3 Index: 04110002001501.18
RF3 Mile Point: 1.62
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0146

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/03/93	25	23.	22.972	25.	20.5	1.182	1.087	21.92	22.25	23.5	25.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/15/82-09/03/93	21	1012.	929.429	1630.	418.	106790.657	326.788	538.8	608.	1145.	1359.6
00065	STAGE, STREAM (FEET)	09/04/91-09/03/93	20	8.005	7.774	9.27	6.45	0.615	0.784	6.761	6.973	8.303	8.742
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/03/93	24	615.	659.958	978.	486.	20651.52	143.706	491.5	572.5	730.75	946.5
00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	4	3.	3.15	4.8	1.8	1.857	1.363	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	4	34.	35.5	53.	21.	216.333	14.708	**	**	**	**
00320	BOD, ULTIMATE 1ST STAGE, 20 DEG C MG/L	09/14/82-09/15/82	4	23.	23.	24.	22.	0.667	0.816	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/82-09/15/82	4	7.5	7.475	7.5	7.4	0.002	0.05	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/14/82-09/15/82	4	7.5	7.473	7.5	7.4	0.003	0.05	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-09/15/82	4	0.032	0.034	0.04	0.032	0.	0.004	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/04/91-09/03/93	22	251.5	315.545	808.	84.	39587.403	198.966	118.9	153.5	466.	636.4
00940	CHLORIDE,TOTAL IN WATER MG/L	09/04/91-09/03/93	22	80.5	80.864	100.	55.	224.409	14.98	56.3	71.5	95.	97.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/91-09/03/93	20	170000.	251850.	1000000.	20000.76787	713157.895	277105.96	22200.	45000.	477500.	691000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/91-09/03/93	20	5.23	5.124	6.	4.301	0.286	0.535	4.346	4.652	5.669	5.839
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			132948.17								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-07/14/92	7	0.	0.	0.	0.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-07/14/92	7	0.	0.	0.	0.	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			1.								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	09/04/91-09/03/93	20	104000.	155800.	570000.	14000.25371	115789.474	159283.131	20600.	43750.	210000.	502000.
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	09/04/91-09/03/93	20	5.016	4.984	5.756	4.146	0.207	0.455	4.312	4.641	5.315	5.698
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			96389.844								
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	4	13.	12.75	15.	10.	4.25	2.062	**	**	**	**
82133	DEOXYGENATION CONST,CARB.,K1 TO BASE E,20C,PER DAY	09/14/82-09/15/82	4	0.16	0.155	0.18	0.12	0.001	0.025	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0146

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	4	3	0.75	4	3	0.75									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	22	0	0.00	22	0	0.00									
		Drinking Water	250.	22	0	0.00	22	0	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: CUVA0146

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	20	20	1.00	20	20	1.00									
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0146

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/03/93	25	23.	22.972	25.	20.5	1.182	1.087	21.92	22.25	23.5	25.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/15/82-09/03/93	21	1012.	929.429	1630.	418.	106790.657	326.788	538.8	608.	1145.	1359.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/03/93	24	615.	659.958	978.	486.	20651.52	143.706	491.5	572.5	730.75	946.5

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

Station Inventory for Station: CUVA0147

NPS Station ID: CUVA0147
LAT/LON: 41.307087/ -81.585754
Agency: 11NPSWRD
Date Created: 03/11/95
Location: CENTRAL MAINTENANCE AREA CREEK
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_CMAC
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED ON THE CREEK THAT RUNS THROUGH THE CENTRAL MAINTENANCE AREA. IT IS A TRIBUTARY OF THE CUYAHOGA RIVER. AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141. RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0147

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/15/87-09/19/94	37	15.	13.77	22.	5.	31.536	5.616	6.	7.75	19.	21.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/19/94	42	700.	690.476	1100.	120.	26053.426	161.411	500.	635.	757.5	854.
00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/19/94	41	9.	9.912	18.	5.4	10.573	3.252	6.32	7.35	12.2	14.7
00310	BOD, 5 DAY, 20 DEG C MG/L	04/15/87-07/28/93	11 ##	1.	1.182	2.	1.	0.164	0.405	1.	1.	1.	2.
00400	PH (STANDARD UNITS)	01/14/87-09/19/94	42	7.8	7.757	8.17	7.25	0.055	0.234	7.4	7.653	7.96	8.
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-09/19/94	42	7.8	7.69	8.17	7.25	0.059	0.244	7.4	7.653	7.96	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-09/19/94	42	0.016	0.02	0.056	0.007	0.	0.013	0.01	0.011	0.022	0.04
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/19/94	42	157.5	154.952	207.	83.	1087.803	32.982	106.	131.	180.	199.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/94-07/19/94	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/15/87-07/28/93	11	0.38	0.403	0.83	0.16	0.033	0.183	0.178	0.27	0.49	0.774
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/87-07/19/94	12	0.1	0.138	0.42	0.01	0.013	0.115	0.013	0.073	0.178	0.378
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/87-09/17/93	9	300.	283.667	356.	152.	4101.	64.039	152.	245.	338.	356.
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/19/94	42	64.5	79.19	220.	19.	2040.012	45.166	42.3	56.25	88.75	147.1
01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/87-09/17/93	8 ##	0.05	0.725	3.	0.05	1.58	1.257	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/87-09/17/93	8 ##	2.	4.	15.	1.	22.571	4.751	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/29/87-09/17/93	8	4.	7.75	28.	1.	85.643	9.254	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/29/87-09/17/93	8	505.	813.	2900.	368.	731465.714	855.258	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/29/87-09/17/93	8	1.25	1.438	3.	0.5	0.746	0.863	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/29/87-09/17/93	8 ##	1.5	4.188	20.	1.5	41.281	6.425	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/29/87-09/17/93	8	9.	50.5	324.	4.	12285.143	110.838	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/19/94	41	165.	418.	2900.	12.	338554.3	581.854	36.8	111.	390.	1316.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/19/94	41	2.217	2.319	3.462	1.079	0.269	0.519	1.565	2.045	2.591	3.119
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			208.519								
31648	E. COLI - MTEC-MF N0/100ML	07/01/91-09/19/94	11	216.	758.273	2400.	55.	660998.618	813.018	59.4	140.	1300.	2288.
31648	LOG E. COLI - MTEC-MF N0/1	07/01/91-09/19/94	11	2.334	2.575	3.38	1.74	0.341	0.584	1.77	2.146	3.114	3.357
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			375.595								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/19/94	42	4.9	23.757	650.	1.5	10030.448	100.152	2.33	3.225	8.025	19.93
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/19/94	42	0.	0.013	0.3	0.	0.003	0.056	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: CUVA0147

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	41	0	0.00	23	0	0.00	4	0	0.00	14	0	0.00			
00400	PH	Other-Hi Lim.	9.	42	0	0.00	23	0	0.00	4	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	42	0	0.00	23	0	0.00	4	0	0.00	15	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	42	0	0.00	23	0	0.00	4	0	0.00	15	0	0.00			
		Drinking Water	250.	42	0	0.00	23	0	0.00	4	0	0.00	15	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	5.	8	0	0.00	7	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	7	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	1	0.13	7	1	0.14				1	0	0.00			
		Drinking Water	1300.	8	0	0.00	7	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	15.	8	0	0.00	7	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	100.	8	0	0.00	7	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	8	1	0.13	7	0	0.00				1	1	1.00			
		Drinking Water	5000.	8	0	0.00	7	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	41	19	0.46	22	13	0.59	4	1	0.25	15	5	0.33			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	11	9	0.82	8	7	0.88				3	2	0.67			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	42	2	0.05	23	0	0.00	4	0	0.00	15	2	0.13			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0147

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/15/87-09/19/94	23	18.	16.696	22.	6.	20.335	4.509	7.9	15.	20.	22.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/19/94	23	700.	703.913	860.	500.	5706.719	75.543	608.	660.	750.	800.
00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/19/94	23	7.6	8.517	14.3	5.4	6.199	2.49	5.88	6.6	9.6	13.16
00310	BOD, 5 DAY, 20 DEG C MG/L	04/15/87-07/28/93	9 ##	1.	1.222	2.	1.	0.194	0.441	1.	1.	1.5	2.
00400	PH (STANDARD UNITS)	01/14/87-09/19/94	23	7.8	7.72	8.05	7.25	0.071	0.267	7.3	7.4	7.96	8.012
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-09/19/94	23	7.8	7.638	8.05	7.25	0.078	0.28	7.3	7.4	7.96	8.012
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-09/19/94	23	0.016	0.023	0.056	0.009	0.	0.015	0.01	0.011	0.04	0.05
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/19/94	23	177.	173.87	207.	130.	471.209	21.707	144.8	155.	193.	204.4
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/15/87-07/28/93	9	0.35	0.349	0.55	0.16	0.015	0.123	0.16	0.26	0.45	0.55
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/87-07/19/94	10	0.1	0.109	0.28	0.01	0.006	0.08	0.011	0.058	0.153	0.271
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/19/94	23	60.	60.478	106.	27.	307.806	17.544	34.2	52.	70.	83.8
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/19/94	22	245.	549.864	2900.	12.	480385.361	693.098	110.6	133.5	735.	1488.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/19/94	22	2.389	2.463	3.462	1.079	0.276	0.525	2.044	2.125	2.853	3.171
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			290.507								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/19/94	23	4.6	5.817	16.5	1.5	13.116	3.622	2.04	3.3	8.	11.36
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/19/94	23	0.	0.024	0.3	0.	0.006	0.075	0.	0.	0.	0.146

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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0147

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/15/87-09/19/94	2	7.	7.	8.	6.	2.	1.414	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/19/94	4	885.	895.	1100.	710.	26833.333	163.809	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/19/94	4	11.9	12.375	15.	10.7	3.389	1.841	**	**	**	**
00400	PH (STANDARD UNITS)	01/14/87-09/19/94	4	7.825	7.835	7.93	7.76	0.005	0.07	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-09/19/94	4	7.825	7.831	7.93	7.76	0.005	0.071	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-09/19/94	4	0.015	0.015	0.017	0.012	0.	0.002	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/19/94	4	136.5	141.75	189.	105.	1232.917	35.113	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/19/94	4	161.	149.75	220.	57.	5509.583	74.227	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/19/94	4	160.	421.5	1230.	136.	290715.667	539.181	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/19/94	4	2.203	2.407	3.09	2.134	0.209	0.457	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			255.562								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/19/94	4	2.5	7.825	24.	2.3	116.296	10.784	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/19/94	4	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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0147

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/15/87-09/19/94	12	8.75	9.292	17.	5.	14.248	3.775	5.	6.125	11.375	16.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/19/94	15	640.	615.333	1010.	120.	43283.81	208.048	282.	500.	730.	908.
00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/19/94	14	11.3	11.5	18.	6.5	13.235	3.638	6.65	8.35	13.975	17.5
00310	BOD, 5 DAY, 20 DEG C MG/L	04/15/87-07/28/93	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	01/14/87-09/19/94	15	7.8	7.793	8.17	7.4	0.042	0.206	7.424	7.7	7.97	8.068
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-09/19/94	15	7.8	7.746	8.17	7.4	0.045	0.211	7.424	7.7	7.97	8.068
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-09/19/94	15	0.016	0.018	0.04	0.007	0.	0.009	0.009	0.011	0.02	0.038
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/19/94	15	131.	129.467	180.	83.	847.41	29.11	83.	106.	155.	174.6
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/15/87-07/28/93	2	0.645	0.645	0.83	0.46	0.068	0.262	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/87-07/19/94	2	0.28	0.28	0.42	0.14	0.039	0.198	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/19/94	15	78.	89.067	218.	19.	2207.781	46.987	37.6	62.	100.	181.4
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/19/94	15	106.	223.667	1400.	30.	116633.238	341.516	32.4	40.	280.	758.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/19/94	15	2.025	2.084	3.146	1.477	0.216	0.464	1.51	1.602	2.447	2.77
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			121.442								

** - 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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0147

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/19/94	15	5.5	55.513	650.	2.3	27647.613	166.276	2.72	3.7	8.1	319.94
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/19/94	15	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

Station Inventory for Station: CUVA0148

NPS Station ID: CUVA0148 LAT/LON: 41.312505/ -81.548059 Agency: 21OHIO Date Created: 12/10/88
Location: TRIB TO CUYAHOGA R AT SAGAMORE HILLS - CRAN. TR. FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM/BIO STORET Station ID(s): F01A37
RMI-Indexes: 0603001 000350 Within Park Boundary: No
RMI-Miles: 0021.41 0002.23
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002065602.33 RF3 Mile Point: 3.13 Distance from RF3: 0.36 On/Off RF3:
Description:
PURPOSE - COMPLAINT INVESTIGATION LOCATION - CUYAHOGA CO.; LOCATED BEHIND 211 CRANBERRY TRAIL, WEST OF NORTHFIELD CENTER, NEAR BOYDEN RD. COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST DISTRICT OFFICE, (216) 425-9171.

Parameter Inventory for Station: CUVA0148

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/03/87-11/03/87	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/03/87-11/03/87	1	675.	675.	675.	675.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/03/87-11/03/87	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	11/03/87-11/03/87	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	11/03/87-11/03/87	1	73.	73.	73.	73.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	11/03/87-11/03/87	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/03/87-11/03/87	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/03/87-11/03/87	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/03/87-11/03/87	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/03/87-11/03/87	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/03/87-11/03/87	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/03/87-11/03/87	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/03/87-11/03/87	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/03/87-11/03/87	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/03/87-11/03/87	1	510.	510.	510.	510.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0148

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00				1	0	0.00						
00400	PH	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: CUVA0149

NPS Station ID: CUVA0149
LAT/LON: 41.316949/ -81.585281
Agency: 112WRD
Date Created: 11/06/82
Location: CUYAHOGA R NR BRECKSVILLE OH
FIPS State/County: 39153 OHIO/SUMMIT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 411901081350700
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 2.70
On/Off RF1:
RF3 Index: 04110002000120.39
RF3 Mile Point: 22.63
Distance from RF3: 0.07
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	5	22.5	22.5	23.	22.	0.25	0.5	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	2	493.	493.	776.	210.	160178.	400.222	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	5	870.	885.	925.	840.	1325.	36.401	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	5	4.3	4.18	4.9	3.	0.507	0.712	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	5	49.	47.4	55.	34.	63.3	7.956	**	**	**	**
00320	BOD, ULTIMATE 1ST STAGE, 20 DEG C MG/L	09/14/82-09/15/82	5	20.	22.74	48.	9.7	223.138	14.938	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/82-09/15/82	5	7.6	7.56	7.7	7.4	0.023	0.152	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/14/82-09/15/82	5	7.6	7.539	7.7	7.4	0.024	0.154	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-09/15/82	5	0.025	0.029	0.04	0.02	0.	0.01	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/03/93-09/03/93	1	236.	236.	236.	236.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/03/93-09/03/93	1	97.	97.	97.	97.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/18/82-08/18/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/18/82-08/18/82	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/18/82-08/18/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/18/82-08/18/82	1	42.	42.	42.	42.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/18/82-08/18/82	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/18/82-08/18/82	1	790.	790.	790.	790.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/18/82-08/18/82	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/18/82-08/18/82	1	220.	220.	220.	220.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/18/82-08/18/82	1	3100.	3100.	3100.	3100.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/18/82-08/18/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/18/82-08/18/82	1	16000.	16000.	16000.	16000.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/93-09/03/93	1	59000.	59000.	59000.	59000.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/93-09/03/93	1	4.771	4.771	4.771	4.771	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			59000.								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	27000.	27000.	27000.	27000.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	4.431	4.431	4.431	4.431	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			27000.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	1	19000.	19000.	19000.	19000.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/14/82-09/14/82	1	4.279	4.279	4.279	4.279	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			19000.								
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/18/82-08/18/82	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	5	7.8	8.38	13.	3.4	14.042	3.747	**	**	**	**
82133	DEOXYGENATION CONST,CARB.,K1 TO BASE E,20C,PER DAY	09/14/82-09/15/82	5	0.13	0.12	0.17	0.04	0.003	0.056	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0149

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	1	0.20	5	1	0.20									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
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									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00	1	1	1.00									
31625	FECAL COLIFORM, MF	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: CUVA0150

NPS Station ID: CUVA0150 LAT/LON: 41.316949/ -81.592227 Agency: 21OHIO Date Created: 03/29/80
Location: CHIPPEWA CREEK AT BRECKSVILLE - RIVERVIEW RD. FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01P13
RMI-Indexes: 0603002 000300 Within Park Boundary: Yes
RMI-Miles: 0020.88 0000.36
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 16.830 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002033800.00 RF3 Mile Point: 0.00 Distance from RF3: 0.01 On/Off RF3:
Description:
PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS LOCATION-CUYAHOGA COUNTY; CHIPPEWA CR AT RIVERVIEW ROAD IN BRECKSVILLE
RMI=1187.93/20.88/0.36 COLLECTION-OHIO EPA NORTHEAST DIST OFFICE
WATER USE DESIGNATION AS OF 01/23/80-WWH

Parameter Inventory for Station: CUVA0150

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/12/73-12/12/73	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/12/73-12/12/73	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/12/73-12/12/73	1	450.	450.	450.	450.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/12/73-12/12/73	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	12/12/73-12/12/73	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	12/12/73-12/12/73	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	12/12/73-12/12/73	1	608.	608.	608.	608.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/12/73-12/12/73	1	595.	595.	595.	595.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/12/73-12/12/73	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/12/73-12/12/73	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/12/73-12/12/73	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/12/73-12/12/73	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/12/73-12/12/73	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/12/73-12/12/73	1	270.	270.	270.	270.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/12/73-12/12/73	1	2.431	2.431	2.431	2.431	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			270.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	12/12/73-12/12/73	1	57.	57.	57.	57.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	12/12/73-12/12/73	1	1.756	1.756	1.756	1.756	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			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 time series plot

EPA Water Quality Criteria Analysis for Station: CUVA0150

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						

& - 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: CUVA0150

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	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						

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

Station Inventory for Station: CUVA0151

NPS Station ID: CUVA0151
LAT/LON: 41.317060/ -81.592142
Agency: 11NPSWRD
Date Created: 03/11/95
Location: CHIPPEWA CREEK
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_CHCR
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED ON CHIPPEWA CREEK - A TRIBUTARY OF THE CUYAHOGA RIVER. STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/16/85-09/19/94	40	16.	14.363	23.	4.	33.167	5.759	4.55	10.125	19.	20.95
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/16/85-09/19/94	44	805.	835.227	2300.	320.	89030.18	298.379	530.	700.	940.	1065.
00300	OXYGEN, DISSOLVED MG/L	04/16/85-09/19/94	41	9.7	10.576	17.2	6.4	8.449	2.907	7.06	8.3	12.45	14.76
00310	BOD, 5 DAY, 20 DEG C MG/L	04/02/86-07/28/93	12 ##	1.	1.583	5.	1.	1.356	1.165	1.	1.	2.	4.1
00400	PH (STANDARD UNITS)	04/16/85-09/19/94	44	7.925	7.905	8.95	7.3	0.092	0.304	7.5	7.7	8.04	8.175
00400	CONVERTED PH (STANDARD UNITS)	04/16/85-09/19/94	44	7.925	7.814	8.95	7.3	0.101	0.317	7.5	7.7	8.04	8.175
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/16/85-09/19/94	44	0.012	0.015	0.05	0.001	0.	0.01	0.007	0.009	0.02	0.032
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/16/85-09/19/94	44	148.	143.864	193.	74.	689.702	26.262	109.	128.75	162.75	170.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/94-07/19/94	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/02/86-07/28/93	13	0.41	0.365	0.87	0.	0.054	0.232	0.016	0.205	0.455	0.742
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/02/86-07/19/94	14	0.09	0.112	0.46	0.01	0.015	0.123	0.01	0.018	0.16	0.33
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/01/86-09/09/93	9	265.	288.444	394.	199.	5330.028	73.007	199.	225.5	359.5	394.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/16/85-09/19/94	44	110.	126.932	690.	38.	8893.274	94.304	64.	92.25	142.75	177.5
01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/86-09/09/93	10 ##	0.05	1.28	7.	0.05	4.876	2.208	0.05	0.05	2.125	6.55
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/86-09/09/93	10 ##	1.5	3.7	14.	1.	18.456	4.296	1.	1.	5.75	13.4
01042	COPPER, TOTAL (UG/L AS CU)	04/30/86-09/09/93	10	4.5	8.85	32.	0.5	96.114	9.804	0.75	3.	12.5	30.8
01045	IRON, TOTAL (UG/L AS FE)	04/30/86-09/09/93	10	137.5	443.6	2900.	10.	758315.156	870.813	17.8	97.75	341.	2650.4
01051	LEAD, TOTAL (UG/L AS PB)	04/30/86-09/09/93	10 ##	1.	2.05	10.	0.5	8.469	2.91	0.5	0.5	2.25	9.3
01067	NICKEL, TOTAL (UG/L AS NI)	04/30/86-09/09/93	10 ##	1.5	4.1	20.	1.5	32.822	5.729	1.5	1.5	4.25	18.5
01092	ZINC, TOTAL (UG/L AS ZN)	04/30/86-09/09/93	10	17.5	28.9	104.	4.	1346.1	36.689	4.	4.	42.5	102.5
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-09/19/94	40	255.	716.3	6000.	22.	1529171.395	1236.597	47.9	115.75	480.	2290.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-09/19/94	40	2.406	2.459	3.778	1.342	0.325	0.57	1.68	2.043	2.681	3.36
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			287.669								
31648	E. COLI - MTEC-MF N0/100ML	07/10/91-09/19/94	11	200.	292.727	1160.	62.	94196.418	306.914	69.6	115.	370.	1008.
31648	LOG E. COLI - MTEC-MF N0/1	07/10/91-09/19/94	11	2.301	2.325	3.064	1.792	0.119	0.345	1.834	2.061	2.568	2.972
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			211.179								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/16/85-09/19/94	44	1.85	8.123	151.	0.8	552.718	23.51	0.95	1.225	4.3	22.2
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/16/85-09/09/93	41	0.	0.	0.01	0.	0.	0.002	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: CUVA0151

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	41	0	0.00	25	0	0.00	4	0	0.00	12	0	0.00			
00400	PH	Other-Hi Lim.	9.	44	0	0.00	25	0	0.00	4	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	44	0	0.00	25	0	0.00	4	0	0.00	15	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	44	0	0.00	25	0	0.00	4	0	0.00	15	0	0.00			
		Drinking Water	250.	44	1	0.02	25	0	0.00	4	1	0.25	15	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	10	1	0.10	9	1	0.11				1	0	0.00			
		Drinking Water	5.	10	1	0.10	9	1	0.11				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	10	0	0.00	9	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	10	2	0.20	9	2	0.22				1	0	0.00			
		Drinking Water	1300.	10	0	0.00	9	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	10	0	0.00	9	0	0.00				1	0	0.00			
		Drinking Water	15.	10	0	0.00	9	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	10	0	0.00	9	0	0.00				1	0	0.00			
		Drinking Water	100.	10	0	0.00	9	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	10	0	0.00	9	0	0.00				1	0	0.00			
		Drinking Water	5000.	10	0	0.00	9	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	40	26	0.65	23	15	0.65	3	3	1.00	14	8	0.57			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	11	8	0.73	8	6	0.75				3	2	0.67			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	44	1	0.02	25	1	0.04	4	0	0.00	15	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/16/85-09/19/94	24	19.	17.25	23.	9.	15.63	3.954	10.25	14.25	20.	21.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/16/85-09/19/94	25	890.	848.8	1200.	380.	31736.	178.146	600.	700.	970.	1064.
00300	OXYGEN, DISSOLVED MG/L	04/16/85-09/19/94	25	9.	9.564	16.8	6.4	6.937	2.634	6.74	7.9	10.8	13.96
00310	BOD, 5 DAY, 20 DEG C MG/L	04/02/86-07/28/93	9 ##	1.	1.222	2.	1.	0.194	0.441	1.	1.	1.5	2.
00400	PH (STANDARD UNITS)	04/16/85-09/19/94	25	7.92	7.865	8.1	7.3	0.043	0.207	7.52	7.8	8.03	8.066
00400	CONVERTED PH (STANDARD UNITS)	04/16/85-09/19/94	25	7.92	7.808	8.1	7.3	0.046	0.214	7.52	7.8	8.03	8.066
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/16/85-09/19/94	25	0.012	0.016	0.05	0.008	0.	0.01	0.009	0.009	0.016	0.031
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/16/85-09/19/94	25	160.	154.64	193.	75.	569.99	23.874	122.6	147.	166.	182.4
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/02/86-07/28/93	10	0.395	0.297	0.5	0.	0.035	0.186	0.004	0.055	0.41	0.491
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/02/86-07/19/94	11	0.02	0.074	0.2	0.01	0.006	0.076	0.01	0.01	0.15	0.198
00940	CHLORIDE,TOTAL IN WATER MG/L	04/16/85-09/19/94	25	101.	100.	146.	58.	516.75	22.732	64.8	83.	115.	134.6
01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/86-09/09/93	9 ##	0.05	1.2	7.	0.05	5.413	2.327	0.05	0.05	1.75	7.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/86-09/09/93	9 ##	1.	3.222	14.	1.	18.194	4.265	1.	1.	4.	14.
01042	COPPER, TOTAL (UG/L AS CU)	04/30/86-09/09/93	9	5.	9.389	32.	0.5	104.861	10.24	0.5	3.	15.	32.
01045	IRON, TOTAL (UG/L AS FE)	04/30/86-09/09/93	9	137.	477.556	2900.	10.	840133.528	916.588	10.	94.5	362.	2900.
01051	LEAD, TOTAL (UG/L AS PB)	04/30/86-09/09/93	9 ##	1.	2.056	10.	0.5	9.528	3.087	0.5	0.5	2.25	10.
01067	NICKEL, TOTAL (UG/L AS NI)	04/30/86-09/09/93	9 ##	1.5	4.111	20.	1.5	36.924	6.076	1.5	1.5	4.	20.
01092	ZINC, TOTAL (UG/L AS ZN)	04/30/86-09/09/93	9	17.	22.222	104.	4.	1012.694	31.823	4.	4.	22.5	104.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-09/19/94	23	250.	640.696	6000.	22.	1602418.312	1265.867	74.4	185.	480.	1892.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-09/19/94	23	2.398	2.459	3.778	1.342	0.253	0.503	1.869	2.267	2.681	3.26
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			287.75								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/16/85-09/19/94	25	1.5	9.932	151.	0.9	931.049	30.513	0.9	1.1	3.9	22.32
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/16/85-09/09/93	23	0.	0.	0.01	0.	0.	0.002	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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/16/85-09/19/94	2	4.	4.	4.	4.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/16/85-09/19/94	4	1015.	1170.	2300.	350.	669533.333	818.25	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/16/85-09/19/94	4	12.2	12.175	12.5	11.8	0.109	0.33	**	**	**	**
00400	PH (STANDARD UNITS)	04/16/85-09/19/94	4	7.76	7.815	8.07	7.67	0.035	0.187	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/16/85-09/19/94	4	7.753	7.788	8.07	7.67	0.036	0.19	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/16/85-09/19/94	4	0.018	0.016	0.021	0.009	0.	0.006	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/16/85-09/19/94	4	123.5	122.	167.	74.	1518.	38.962	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/16/85-09/19/94	4	152.5	258.25	690.	38.	88201.583	296.988	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-09/19/94	3	3400.	3200.	4000.	2200.	840000.	916.515	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-09/19/94	3	3.531	3.492	3.602	3.342	0.018	0.134	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3104.468								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/16/85-09/19/94	4	3.85	9.15	27.	1.9	142.737	11.947	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/16/85-09/09/93	4	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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/16/85-09/19/94	14	11.5	10.893	18.	4.	26.968	5.193	4.25	6.125	16.25	17.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/16/85-09/19/94	15	750.	723.333	980.	320.	29809.524	172.654	434.	590.	810.	944.
00300	OXYGEN, DISSOLVED MG/L	04/16/85-09/19/94	12	13.2	12.15	17.2	7.	9.597	3.098	7.33	9.	14.15	16.51
00310	BOD, 5 DAY, 20 DEG C MG/L	04/02/86-07/28/93	3	2.	2.667	5.	1.	4.333	2.082	**	**	**	**
00400	PH (STANDARD UNITS)	04/16/85-09/19/94	15	7.94	7.997	8.95	7.4	0.188	0.434	7.4	7.67	8.23	8.758
00400	CONVERTED PH (STANDARD UNITS)	04/16/85-09/19/94	15	7.94	7.832	8.95	7.4	0.217	0.466	7.4	7.67	8.23	8.758
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/16/85-09/19/94	15	0.011	0.015	0.04	0.001	0.	0.012	0.002	0.006	0.021	0.04

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/16/85-09/19/94	15	140.	131.733	154.	91.	314.352	17.73	101.2	120.	143.	153.4
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/02/86-07/28/93	3	0.55	0.59	0.87	0.35	0.069	0.262	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/02/86-07/19/94	3	0.15	0.253	0.46	0.15	0.032	0.179	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/16/85-09/19/94	15	142.	136.8	187.	56.	1202.314	34.674	79.4	112.	156.	181.6
01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/86-09/09/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/86-09/09/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/30/86-09/09/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/30/86-09/09/93	1	138.	138.	138.	138.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/30/86-09/09/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/30/86-09/09/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/30/86-09/09/93	1	89.	89.	89.	89.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-09/19/94	14	220.	308.286	1400.	41.	133542.835	365.435	43.5	53.75	420.	1020.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-09/19/94	14	2.342	2.237	3.146	1.613	0.246	0.496	1.638	1.729	2.623	2.976
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			172.709								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/16/85-09/19/94	15	2.	4.833	26.4	0.8	53.222	7.295	0.98	1.7	3.7	21.36
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/16/85-09/09/93	14	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

Station Inventory for Station: CUVA0152

NPS Station ID: CUVA0152 LAT/LON: 41.317226/ -81.592227 Agency: 112WRD Date Created: 11/06/82
Location: CHIPPEWA C AT RIVERVIEW ROAD NR BRECKSVILLE OH FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 04206450
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 19.650 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110001000800.00 RF3 Mile Point: 0.00 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0152

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	5	20.	20.4	22.	19.	1.675	1.294	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	2	9.	9.	16.	2.	98.	9.899	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	5	1002.	942.4	1013.	692.	19625.3	140.09	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	5	9.2	9.38	11.5	7.6	1.947	1.395	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	5	100.	103.2	129.	81.	304.7	17.456	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/82-09/15/82	5	8.	8.02	8.3	7.6	0.087	0.295	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/14/82-09/15/82	5	8.	7.938	8.3	7.6	0.095	0.309	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-09/15/82	5	0.01	0.012	0.025	0.005	0.	0.008	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/17/82-08/17/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/17/82-08/17/82	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/17/82-08/17/82	1	27.	27.	27.	27.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/17/82-08/17/82	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/17/82-08/17/82	1	480.	480.	480.	480.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/17/82-08/17/82	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/17/82-08/17/82	1	38.	38.	38.	38.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/17/82-08/17/82	1	210.	210.	210.	210.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/17/82-08/17/82	1	5100.	5100.	5100.	5100.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/17/82-08/17/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/17/82-08/17/82	1	11000.	11000.	11000.	11000.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	260.	260.	260.	260.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	2.415	2.415	2.415	2.415	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			260.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	1	1300.	1300.	1300.	1300.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/14/82-09/14/82	1	3.114	3.114	3.114	3.114	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1300.								
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/17/82-08/17/82	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	3	1.4	2.1	3.9	1.	2.47	1.572	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0152

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
31625	FECAL COLIFORM, MF	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: CUVA0153

NPS Station ID: CUVA0153
LAT/LON: 41.319142/ -81.588560
Agency: 11NPSWRD
Date Created: 03/11/95
Location: STONE ROAD
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_STRO
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED ON THE UNNAMED INTERMITTENT STREAM THAT RUNS ALONGSIDE STONE ROAD. IT IS A TRIBUTARY OF THE CUYAHOGA RIVER.
STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/14/87-10/03/94	70	16.	13.743	23.	0.	44.281	6.654	2.25	8.	19.5	21.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-10/03/94	70	800.	813.286	1430.	255.	66476.004	257.829	500.	667.5	977.5	1150.
00300	OXYGEN, DISSOLVED MG/L	01/14/87-10/03/94	69	9.7	10.158	18.4	4.8	9.476	3.078	6.2	7.8	12.1	14.6
00310	BOD, 5 DAY, 20 DEG C MG/L	04/15/87-01/05/94	15	2.	1.667	3.6	1.	0.575	0.758	1.	1.	2.	2.88
00400	PH (STANDARD UNITS)	01/14/87-10/03/94	70	7.8	7.812	8.68	7.1	0.092	0.303	7.41	7.6	8.032	8.138
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-10/03/94	70	7.8	7.707	8.68	7.1	0.103	0.321	7.41	7.6	8.032	8.138
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-10/03/94	70	0.016	0.02	0.079	0.002	0.	0.015	0.007	0.009	0.025	0.039
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-10/03/94	70	123.5	125.086	433.	58.	1874.746	43.298	97.1	108.	135.25	148.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/94-10/03/94	12	0.025	0.042	0.15	0.01	0.002	0.042	0.01	0.01	0.068	0.129
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/15/87-01/05/94	17	0.52	0.731	2.54	0.23	0.302	0.55	0.27	0.385	1.	1.404
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/87-10/03/94	29	0.13	0.113	0.34	0.01	0.006	0.075	0.02	0.04	0.14	0.21
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/87-01/05/94	13	236.	240.154	320.	131.	1951.974	44.181	163.	220.	267.5	302.
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-10/03/94	70	156.5	169.557	402.	49.	5282.047	72.678	86.2	114.25	205.5	269.4
01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/87-01/05/94	12 ##	1.	1.854	10.	0.05	7.796	2.792	0.05	0.05	2.5	7.75
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/87-01/05/94	12 ##	5.	4.083	7.	1.	2.992	1.73	1.3	2.25	5.	6.4
01042	COPPER, TOTAL (UG/L AS CU)	04/29/87-01/05/94	12	9.	8.833	28.	0.5	56.833	7.539	1.1	3.	12.25	24.1
01045	IRON, TOTAL (UG/L AS FE)	04/29/87-01/05/94	12	412.	581.083	1470.	124.	234475.902	484.227	131.5	186.5	982.5	1452.
01051	LEAD, TOTAL (UG/L AS PB)	04/29/87-01/05/94	12 ##	1.5	4.667	42.	0.5	138.788	11.781	0.5	0.5	1.875	30.3
01067	NICKEL, TOTAL (UG/L AS NI)	04/29/87-01/05/94	12 ##	5.	10.208	20.	1.5	76.384	8.74	1.5	1.875	20.	20.
01092	ZINC, TOTAL (UG/L AS ZN)	04/29/87-01/05/94	12	18.	23.	79.	4.	368.364	19.193	5.2	14.25	27.5	64.3
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-10/03/94	84	435.	3108.393	62700.	0.	69788229.639	8353.935	56.5	180.	1685.	7750.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-10/03/94	84	2.638	2.732	4.797	0.	0.748	0.865	1.752	2.255	3.227	3.889
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			539.075								
31648	E. COLI - MTEC-MF N0/100ML	07/01/91-10/03/94	53	360.	3010.	38100.	15.	47250897.808	6873.929	58.4	129.	1578.	9700.
31648	LOG E. COLI - MTEC-MF N0/1	07/01/91-10/03/94	53	2.556	2.701	4.581	1.176	0.662	0.813	1.766	2.11	3.198	3.987
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			502.028								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-10/03/94	70	4.55	14.846	491.	1.3	3458.789	58.811	1.71	3.	7.375	17.43
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-10/03/94	50	0.	0.076	1.	0.	0.046	0.215	0.	0.	0.	0.291

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: CUVA0153

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	69	0	0.00	37	0	0.00	8	0	0.00	24	0	0.00			
00400	PH	Other-Hi Lim.	9.	70	0	0.00	37	0	0.00	8	0	0.00	25	0	0.00			
		Other-Lo Lim.	6.5	70	0	0.00	37	0	0.00	8	0	0.00	25	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	70	0	0.00	37	0	0.00	8	0	0.00	25	0	0.00			
		Drinking Water	250.	70	7	0.10	37	1	0.03	8	2	0.25	25	4	0.16			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	12	1	0.08	8	0	0.00	1	1	1.00	3	0	0.00			
		Drinking Water	5.	12	1	0.08	8	0	0.00	1	1	1.00	3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	12	0	0.00	8	0	0.00	1	0	0.00	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	12	1	0.08	8	1	0.13	1	0	0.00	3	0	0.00			
		Drinking Water	1300.	12	0	0.00	8	0	0.00	1	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	12	0	0.00	8	0	0.00	1	0	0.00	3	0	0.00			
		Drinking Water	15.	12	1	0.08	8	0	0.00	1	1	1.00	3	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	12	0	0.00	8	0	0.00	1	0	0.00	3	0	0.00			
		Drinking Water	100.	12	0	0.00	8	0	0.00	1	0	0.00	3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	12	0	0.00	8	0	0.00	1	0	0.00	3	0	0.00			
		Drinking Water	5000.	12	0	0.00	8	0	0.00	1	0	0.00	3	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	84	61	0.73	48	29	0.60	8	7	0.88	28	25	0.89			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	53	41	0.77	33	23	0.70	4	4	1.00	16	14	0.88			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	70	2	0.03	37	0	0.00	8	1	0.13	25	1	0.04			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/14/87-10/03/94	37	19.	17.878	23.	6.	15.353	3.918	12.8	16.	21.	22.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-10/03/94	37	800.	800.811	1200.	500.	31807.658	178.347	518.	700.	945.	1044.
00300	OXYGEN, DISSOLVED MG/L	01/14/87-10/03/94	37	8.6	8.911	18.4	4.8	7.527	2.743	5.78	7.1	10.3	12.34
00400	PH (STANDARD UNITS)	01/14/87-10/03/94	37	7.75	7.743	8.17	7.1	0.084	0.29	7.28	7.6	8.035	8.1
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-10/03/94	37	7.75	7.641	8.17	7.1	0.095	0.308	7.28	7.6	8.035	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-10/03/94	37	0.018	0.023	0.079	0.007	0.	0.018	0.008	0.009	0.025	0.053
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-10/03/94	37	127.	130.027	179.	105.	298.305	17.272	109.8	116.5	139.	150.6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/87-10/03/94	20	0.13	0.115	0.34	0.01	0.006	0.08	0.021	0.043	0.14	0.21
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-10/03/94	37	146.	156.541	348.	76.	2637.144	51.353	105.2	117.	184.	219.4
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-10/03/94	48	315.	2665.417	62700.	0.	99178533.227	9958.842	46.7	116.	752.5	4200.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-10/03/94	48	2.498	2.489	4.797	0.	0.746	0.863	1.669	2.063	2.876	3.623
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			308.264								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-10/03/94	37	4.3	6.695	45.3	1.5	63.359	7.96	1.78	2.9	6.95	16.14
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-10/03/94	29	0.	0.093	1.	0.	0.067	0.259	0.	0.	0.025	0.21

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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/14/87-10/03/94	8	4.5	4.375	9.5	0.	16.911	4.112	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-10/03/94	8	1055.	880.625	1220.	255.	141103.125	375.637	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/14/87-10/03/94	8	13.	13.5	16.	12.	2.643	1.626	**	**	**	**
00400	PH (STANDARD UNITS)	01/14/87-10/03/94	8	7.83	7.828	8.22	7.5	0.058	0.242	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-10/03/94	8	7.824	7.77	8.22	7.5	0.062	0.249	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-10/03/94	8	0.015	0.017	0.032	0.006	0.	0.009	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-10/03/94	8	110.5	107.5	136.	72.	528.857	22.997	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/87-10/03/94	1	0.21	0.21	0.21	0.21	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-10/03/94	8	201.	195.75	338.	49.	9201.643	95.925	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-10/03/94	8	6800.	8766.25	24000.	60.	56463626.786	7514.228	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-10/03/94	8	3.828	3.646	4.38	1.778	0.644	0.803	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4427.477								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-10/03/94	8	11.7	69.838	491.	1.5	28993.477	170.275	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-10/03/94	4	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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/14/87-10/03/94	25	11.	10.62	20.	1.	33.568	5.794	2.	5.25	16.	19.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-10/03/94	25	790.	810.2	1430.	265.	100490.583	317.002	401.	580.	1035.	1344.
00300	OXYGEN, DISSOLVED MG/L	01/14/87-10/03/94	24	10.2	10.967	18.	6.8	8.362	2.892	7.6	8.725	12.525	15.5
00400	PH (STANDARD UNITS)	01/14/87-10/03/94	25	7.92	7.908	8.68	7.3	0.105	0.323	7.5	7.665	8.085	8.376
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-10/03/94	25	7.92	7.803	8.68	7.3	0.116	0.341	7.5	7.665	8.085	8.376
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-10/03/94	25	0.012	0.016	0.05	0.002	0.	0.011	0.004	0.008	0.022	0.032
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-10/03/94	25	108.	123.4	433.	58.	4644.5	68.151	78.8	98.	129.	148.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/87-10/03/94	8	0.1	0.095	0.19	0.02	0.003	0.059	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-10/03/94	25	172.	180.44	402.	57.	7933.09	89.068	80.8	109.5	221.5	334.6
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-10/03/94	28	760.	2251.25	18300.	15.	16655757.898	4081.147	90.8	265.	1751.75	8160.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-10/03/94	28	2.878	2.886	4.262	1.176	0.458	0.677	1.958	2.418	3.243	3.907
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			769.95								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-10/03/94	25	4.4	9.312	75.2	1.3	250.19	15.817	1.5	3.3	6.75	26.24
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-10/03/94	17	0.	0.065	0.5	0.	0.022	0.15	0.	0.	0.	0.34

** - 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

Station Inventory for Station: CUVA0154

NPS Station ID: CUVA0154
LAT/LON: 41.320281/ -81.621949
Agency: 112WRD
Date Created: 11/06/82
Location: CHIPPEWA C AT BRECKSVILLE OH
FIPS State/County: 39053 OHIO/GALLIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 411913081371900
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001136900.00
RF3 Mile Point: 0.10
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0154

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	5	20.	20.4	21.5	19.5	0.675	0.822	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	2	7.	7.	12.	2.	50.	7.071	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	5	1010.	918.	1025.	655.	24895.	157.781	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	5	9.1	9.	10.3	8.	0.82	0.906	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	5	99.	98.6	114.	86.	108.3	10.407	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/82-09/15/82	5	8.3	8.32	8.7	8.	0.107	0.327	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/14/82-09/15/82	5	8.3	8.229	8.7	8.	0.117	0.343	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-09/15/82	5	0.005	0.006	0.01	0.002	0.	0.004	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	1700.	1700.	1700.	1700.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	3.23	3.23	3.23	3.23	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			1700.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	1	2900.	2900.	2900.	2900.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/14/82-09/14/82	1	3.462	3.462	3.462	3.462	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			2900.								
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	3	1.5	2.333	4.5	1.	3.583	1.893	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0154

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
31625	FECAL COLIFORM, MF	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: CUVA0155

NPS Station ID: CUVA0155 LAT/LON: 41.322781/ -81.644448 Agency: 21OHIO Date Created: 12/14/85
Location: CHIPPEWA CREEK DST BROADVIEW HEIGHTS LANDFILL FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S58
RMI-Indexes: 0603001 000300 Within Park Boundary: No
RMI-Miles: 0020.88 0003.72
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002000100.20 RF3 Mile Point: 1.62 Distance from RF3: 0.03 On/Off RF3:
Description:
PURPOSE - COMPLIANCE SAMPLING. LOCATION - CUYAHOGA CO.; LOCATED AT THE HARRIS RD. BRIDGE, DOWNSTREAM FROM THE BROADVIEW HEIGHTS LANDFILL. COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST DISTRICT OFFICE, (216) 425-9171. SAMPLES ANALYZED BY THE OHIO EPA

Parameter Inventory for Station: CUVA0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/82-09/22/88	2	9.75	9.75	13.5	6.	28.125	5.303	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/22/88-09/22/88	1	770.	770.	770.	770.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/22/88-09/22/88	1	923.	923.	923.	923.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/28/82-09/22/88	2	10.2	10.2	12.2	8.2	8.	2.828	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	10/28/82-09/22/88	2 ##	13.	13.	16.	10.	18.	4.243	**	**	**	**
00400	PH (STANDARD UNITS)	10/28/82-09/22/88	2	7.8	7.8	7.9	7.7	0.02	0.141	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/28/82-09/22/88	2	7.789	7.789	7.9	7.7	0.02	0.142	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/82-09/22/88	2	0.016	0.016	0.02	0.013	0.	0.005	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/28/82-10/28/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/28/82-09/22/88	2	0.405	0.405	0.73	0.08	0.211	0.46	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/22/88-09/22/88	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/28/82-09/22/88	2	0.75	0.75	1.2	0.3	0.405	0.636	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/28/82-09/22/88	2	3.365	3.365	4.44	2.29	2.311	1.52	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/28/82-09/22/88	2	1.2	1.2	1.55	0.85	0.245	0.495	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/22/88-09/22/88	1	418.	418.	418.	418.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/22/88-09/22/88	1	108.	108.	108.	108.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/22/88-09/22/88	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/22/88-09/22/88	1	206.	206.	206.	206.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/28/82-09/22/88	2 ##	0.175	0.175	0.25	0.1	0.011	0.106	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/28/82-09/22/88	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/28/82-09/22/88	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/28/82-09/22/88	2	295.	295.	320.	270.	1250.	35.355	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/28/82-09/22/88	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/22/88-09/22/88	1	155.	155.	155.	155.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/28/82-09/22/88	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	10/28/82-10/28/82	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/28/82-09/22/88	2	596.	596.	646.	546.	5000.	70.711	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0155

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	2	0	0.00	2	0	0.00									
00400	PH	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	0	0.00	2	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00	2	0	0.00									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	2	0	0.00									
		Drinking Water	15.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	2	0	0.00									
		Drinking Water	5000.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: CUVA0156

NPS Station ID: CUVA0156 LAT/LON: 41.324449/ -81.672226 Agency: 21OHIO Date Created: 12/14/85
Location: CHIPPEWA CREEK UPST BROADVIEW HEIGHTS LANDFILL FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S59
RMI-Indexes: 0603001 000300 Within Park Boundary: No
RMI-Miles: 0020.88 0006.03
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 28.60 On/Off RF1:
RF3 Index: 04110002035303.64 RF3 Mile Point: 3.73 Distance from RF3: 0.02 On/Off RF3:
Description:
PURPOSE - COMPLIANCE SAMPLING. LOCATION - CUYAHOGA CO.; LOCATED AT THE AVERY RD. BRIDGE, UPSTREAM FROM THE BROADVIEW HEIGHTS LANDFILL. COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST DISTRICT OFFICE, (216) 425-9171. SAMPLES ANALYZED BY THE OHIO EPA

Parameter Inventory for Station: CUVA0156

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/28/82-09/22/88	2	9.5	9.5	13.	6.	24.5	4.95	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/22/88-09/22/88	1	660.	660.	660.	660.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/22/88-09/22/88	1	1070.	1070.	1070.	1070.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/28/82-09/22/88	2	9.95	9.95	11.6	8.3	5.445	2.333	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	10/28/82-09/22/88	2 ##	11.	11.	12.	10.	2.	1.414	**	**	**	**
00400	PH (STANDARD UNITS)	10/28/82-09/22/88	2	7.75	7.75	7.8	7.7	0.005	0.071	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/28/82-09/22/88	2	7.747	7.747	7.8	7.7	0.005	0.071	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/28/82-09/22/88	2	0.018	0.018	0.02	0.016	0.	0.003	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/28/82-10/28/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/28/82-09/22/88	2 ##	0.038	0.038	0.05	0.025	0.	0.018	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/22/88-09/22/88	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/28/82-09/22/88	2	0.5	0.5	0.6	0.4	0.02	0.141	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/28/82-09/22/88	2	4.065	4.065	5.45	2.68	3.836	1.959	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/28/82-09/22/88	2	1.045	1.045	1.84	0.25	1.264	1.124	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/22/88-09/22/88	1	415.	415.	415.	415.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/22/88-09/22/88	1	107.	107.	107.	107.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/22/88-09/22/88	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/22/88-09/22/88	1	207.	207.	207.	207.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/28/82-09/22/88	2 ##	0.175	0.175	0.25	0.1	0.011	0.106	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/28/82-09/22/88	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/28/82-09/22/88	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/28/82-09/22/88	2	175.	175.	200.	150.	1250.	35.355	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/28/82-09/22/88	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/22/88-09/22/88	1	55.	55.	55.	55.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/28/82-09/22/88	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	10/28/82-10/28/82	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/28/82-09/22/88	2	628.5	628.5	710.	547.	13284.5	115.258	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0156

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	2	0	0.00	2	0	0.00									
00400	PH	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	0	0.00	2	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00	2	0	0.00									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	2	0	0.00									
		Drinking Water	15.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	2	0	0.00									
		Drinking Water	5000.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: CUVA0157

NPS Station ID: CUVA0157
LAT/LON: 41.333338/ -81.600004
Agency: 111WS
Date Created: 05/19/78
Location: CLEVELAND DIV OF WATER
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 039
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04110002
Depth of Water: 999
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA R
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 15.620
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 04110001002600.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:
NATL.ORGANICS RECONNAISSANCE SURVEY OFF.OF RESEARCH & DEVEL.CINN,OHIO DIVISION FILTRATION PLANT

Parameter Inventory for Station: CUVA0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	03/04/75-03/04/75	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	03/04/75-03/04/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	03/04/75-03/04/75	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	03/04/75-03/04/75	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	03/04/75-03/04/75	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34306	CHLORODIBROMOMETHANE TOTWUG/L	03/04/75-03/04/75	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
81280	NONPURGEABLE ORGANIC CARBON MG/L	03/05/75-03/05/75	1	2.2	2.2	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

EPA Water Quality Criteria Analysis for Station: CUVA0157

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/31---------- Obs	Exceed	Prop.	----------11/01-3/14---------- Obs	Exceed	Prop.	----------3/15-6/30---------- Obs	Exceed	Prop.	----------n/a---------- 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: CUVA0158

NPS Station ID: CUVA0158
LAT/LON: 41.351392/ -81.592227
Agency: 112WRD
Date Created: 11/06/82
Location: UNAMED TR TO CUYAHOGA R AT INDEPENDENCE OH
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 412105081353200
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 04110002035300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	5	20.	20.2	22.	18.5	1.825	1.351	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	2	3.5	3.5	6.	1.	12.5	3.536	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	5	815.	765.	830.	615.	8587.5	92.669	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	5	8.1	7.92	8.7	7.	0.452	0.672	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	5	87.	86.8	99.	78.	62.7	7.918	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/82-09/15/82	5	7.8	7.82	8.	7.6	0.032	0.179	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/14/82-09/15/82	5	7.8	7.791	8.	7.6	0.033	0.182	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-09/15/82	5	0.016	0.016	0.025	0.01	0.	0.007	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/18/82-08/18/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/18/82-08/18/82	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/18/82-08/18/82	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/18/82-08/18/82	1	54.	54.	54.	54.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/18/82-08/18/82	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/18/82-08/18/82	1	1100.	1100.	1100.	1100.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/18/82-08/18/82	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/18/82-08/18/82	1	67.	67.	67.	67.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/18/82-08/18/82	1	2900.	2900.	2900.	2900.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/18/82-08/18/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/18/82-08/18/82	1	9700.	9700.	9700.	9700.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	9600.	9600.	9600.	9600.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	3.982	3.982	3.982	3.982	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			9600.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	1	5900.	5900.	5900.	5900.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/14/82-09/14/82	1	3.771	3.771	3.771	3.771	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			5900.								
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/18/82-08/18/82	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	3	2.1	1.967	2.8	1.	0.823	0.907	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: CUVA0158

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
31625	FECAL COLIFORM, MF	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: CUVA0159

NPS Station ID: CUVA0159
LAT/LON: 41.351420/ -81.592476
Agency: 11NPSWRD
Date Created: 03/11/95
Location: SAGAMORE CREEK
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_SACR
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED ON SAGAMORE CREEK - A TRIBUTARY OF THE CUYAHOGA RIVER. STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0159

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/86-10/03/94	47	15.	13.33	21.5	0.	39.253	6.265	4.4	7.	19.	20.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/02/86-10/03/94	47	700.	689.894	1400.	410.	26825.532	163.785	473.	600.	780.	818.
00300	OXYGEN, DISSOLVED MG/L	04/02/86-10/03/94	45	9.5	9.713	20.	3.1	10.593	3.255	5.68	7.65	11.8	13.88
00310	BOD, 5 DAY, 20 DEG C MG/L	04/02/86-07/28/93	11 ##	1.	1.364	2.	1.	0.255	0.505	1.	1.	2.	2.
00400	PH (STANDARD UNITS)	04/02/86-10/03/94	47	7.92	7.826	8.32	7.	0.102	0.319	7.3	7.65	8.04	8.138
00400	CONVERTED PH (STANDARD UNITS)	04/02/86-10/03/94	47	7.92	7.69	8.32	7.	0.121	0.347	7.3	7.65	8.04	8.138
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/02/86-10/03/94	47	0.012	0.02	0.1	0.005	0.	0.02	0.007	0.009	0.022	0.05
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/02/86-10/03/94	47	151.	149.553	183.	89.	425.731	20.633	123.2	138.	164.	178.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/94-10/03/94	6 ##	0.01	0.02	0.05	0.01	0.	0.017	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/02/86-07/28/93	13	0.3	0.335	0.95	0.	0.062	0.248	0.024	0.185	0.465	0.806
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/02/86-10/03/94	19	0.11	0.256	1.04	0.01	0.1	0.316	0.02	0.06	0.41	1.04
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/01/86-09/17/93	9	274.	266.556	302.	209.	962.028	31.017	209.	242.	288.	302.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/02/86-10/03/94	47	110.	116.894	368.	56.	2068.836	45.484	81.6	98.	126.	152.8
01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/86-09/17/93	9 ##	0.05	1.639	5.	0.05	4.511	2.124	0.05	0.05	3.75	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/86-09/17/93	9	5.	13.333	69.	1.	471.25	21.708	1.	1.5	16.	69.
01042	COPPER, TOTAL (UG/L AS CU)	04/30/86-09/17/93	9	10.	20.5	99.	0.5	942.5	30.7	0.5	3.	22.	99.
01045	IRON, TOTAL (UG/L AS FE)	04/30/86-09/17/93	9	85.	1156.444	9640.	10.	10129031.528	3182.614	10.	24.	215.	9640.
01051	LEAD, TOTAL (UG/L AS PB)	04/30/86-09/17/93	9	1.5	3.	10.	0.5	14.	3.742	0.5	0.5	5.5	10.
01067	NICKEL, TOTAL (UG/L AS NI)	04/30/86-09/17/93	9 ##	1.5	14.278	69.	1.5	523.444	22.879	1.5	1.5	24.5	69.
01092	ZINC, TOTAL (UG/L AS ZN)	04/30/86-09/17/93	9	9.	57.333	316.	4.	10479.	102.367	4.	4.	81.5	316.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	43	440.	4356.326	60000.	8.	122978588.701	11089.571	25.8	60.	1775.	14640.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	43	2.643	2.666	4.778	0.903	0.986	0.993	1.408	1.778	3.249	4.156
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			463.454								
31648	E. COLI - MTEC-MF N0/100ML	07/10/91-10/03/94	13	150.	282.846	1500.	11.	158706.141	398.379	14.6	60.5	373.	1100.
31648	LOG E. COLI - MTEC-MF N0/1	07/10/91-10/03/94	13	2.176	2.127	3.176	1.041	0.348	0.59	1.145	1.739	2.553	2.985
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			133.924								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/02/86-10/03/94	47	1.2	44.343	1934.	0.3	79383.102	281.75	0.6	0.8	1.8	7.56
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/02/86-10/03/94	47	0.	0.043	1.	0.	0.028	0.168	0.	0.	0.	0.048

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: CUVA0159

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	45	2	0.04	27	2	0.07	4	0	0.00	14	0	0.00			
00400	PH	Other-Hi Lim.	9.	47	0	0.00	27	0	0.00	4	0	0.00	16	0	0.00			
		Other-Lo Lim.	6.5	47	0	0.00	27	0	0.00	4	0	0.00	16	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	47	0	0.00	27	0	0.00	4	0	0.00	16	0	0.00			
		Drinking Water	250.	47	1	0.02	27	0	0.00	4	1	0.25	16	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	9	2	0.22	8	1	0.13				1	1	1.00			
		Drinking Water	5.	9	2	0.22	8	1	0.13				1	1	1.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	8	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	9	4	0.44	8	4	0.50				1	0	0.00			
		Drinking Water	1300.	9	0	0.00	8	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	15.	9	0	0.00	8	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	8	0	0.00				1	0	0.00			
		Drinking Water	100.	9	0	0.00	8	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	9	1	0.11	8	1	0.13				1	0	0.00			
		Drinking Water	5000.	9	0	0.00	8	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	43	28	0.65	26	16	0.62	3	3	1.00	14	9	0.64			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	13	7	0.54	10	6	0.60				3	1	0.33			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	47	2	0.04	27	2	0.07	4	0	0.00	16	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0159

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/86-10/03/94	27	18.5	16.944	21.5	0.	20.006	4.473	12.	15.	20.	21.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/02/86-10/03/94	27	700.	671.852	1000.	410.	20390.67	142.796	442.	590.	750.	892.
00300	OXYGEN, DISSOLVED MG/L	04/02/86-10/03/94	27	8.	8.444	20.	3.1	10.634	3.261	5.04	6.2	10.2	11.16
00400	PH (STANDARD UNITS)	04/02/86-10/03/94	27	7.82	7.697	8.17	7.	0.114	0.337	7.18	7.4	7.97	8.066
00400	CONVERTED PH (STANDARD UNITS)	04/02/86-10/03/94	27	7.82	7.563	8.17	7.	0.132	0.364	7.18	7.4	7.97	8.066
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/02/86-10/03/94	27	0.015	0.027	0.1	0.007	0.001	0.024	0.009	0.011	0.04	0.066
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/02/86-10/03/94	27	162.	157.889	183.	114.	264.333	16.258	137.6	146.	170.	179.6
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/02/86-07/28/93	10	0.28	0.252	0.55	0.	0.025	0.159	0.006	0.113	0.32	0.533
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/02/86-10/03/94	14	0.105	0.251	1.04	0.01	0.123	0.351	0.035	0.074	0.23	1.04
00940	CHLORIDE,TOTAL IN WATER MG/L	04/02/86-10/03/94	27	105.	107.037	193.	69.	590.422	24.299	78.6	94.	116.	139.2
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	26	436.5	5465.423	60000.	8.	177105987.534	13308.117	19.4	58.5	2156.25	21800.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	26	2.64	2.656	4.778	0.903	1.142	1.069	1.266	1.767	3.317	4.317
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			453.048								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/02/86-10/03/94	27	1.	75.359	1934.	0.3	138095.158	371.612	0.56	0.8	1.7	19.4
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/02/86-10/03/94	27	0.	0.045	1.	0.	0.038	0.195	0.	0.	0.	0.048

** - 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 #2: 11/01 to 3/14 - Station CUVA0159

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/86-10/03/94	4	2.25	2.75	6.	0.5	7.417	2.723	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/02/86-10/03/94	4	785.	848.75	1400.	425.	163872.917	404.812	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/02/86-10/03/94	4	12.4	12.35	13.3	11.3	0.697	0.835	**	**	**	**
00400	PH (STANDARD UNITS)	04/02/86-10/03/94	4	8.02	8.015	8.1	7.92	0.006	0.078	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/02/86-10/03/94	4	8.019	8.01	8.1	7.92	0.006	0.078	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/02/86-10/03/94	4	0.01	0.01	0.012	0.008	0.	0.002	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/02/86-10/03/94	4	137.	138.25	180.	99.	1119.583	33.46	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/02/86-10/03/94	4	117.	164.5	368.	56.	19403.	139.295	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	3	3000.	2766.667	4200.	1100.	2443333.333	1563.117	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	3	3.477	3.381	3.623	3.041	0.092	0.303	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2402.082								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/02/86-10/03/94	4	3.85	3.925	7.5	0.5	13.216	3.635	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/02/86-10/03/94	4	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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0159

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/86-10/03/94	16	8.75	9.875	16.	4.5	18.117	4.256	4.85	6.	14.75	15.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/02/86-10/03/94	16	695.	680.625	800.	500.	6739.583	82.095	563.	630.	735.	800.
00300	OXYGEN, DISSOLVED MG/L	04/02/86-10/03/94	14	11.1	11.407	15.1	7.8	5.853	2.419	7.9	9.45	13.85	14.6
00400	PH (STANDARD UNITS)	04/02/86-10/03/94	16	8.03	7.996	8.32	7.5	0.043	0.208	7.64	7.86	8.1	8.264
00400	CONVERTED PH (STANDARD UNITS)	04/02/86-10/03/94	16	8.03	7.944	8.32	7.5	0.046	0.215	7.64	7.86	8.1	8.264
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/02/86-10/03/94	16	0.009	0.011	0.032	0.005	0.	0.007	0.005	0.008	0.014	0.023
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/02/86-10/03/94	16	139.	138.313	161.	89.	329.563	18.154	110.7	127.25	154.75	157.5
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/02/86-07/28/93	3	0.59	0.613	0.95	0.3	0.106	0.326	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/02/86-10/03/94	5	0.39	0.268	0.49	0.02	0.051	0.225	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/02/86-10/03/94	16	116.5	121.625	180.	82.	637.317	25.245	87.6	104.	132.5	163.2
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	14	380.	2637.214	26900.	15.	50125075.72	7079.906	22.5	42.	1400.	15650.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	14	2.577	2.531	4.43	1.176	0.838	0.915	1.327	1.622	3.143	4.037
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			339.779								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/02/86-10/03/94	16	1.3	2.106	6.1	0.6	3.81	1.952	0.6	1.	2.1	6.1
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/02/86-10/03/94	16	0.	0.05	0.5	0.	0.02	0.141	0.	0.	0.	0.36

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

Station Inventory for Station: CUVA0160

NPS Station ID: CUVA0160 LAT/LON: 41.355004/ -81.561948 Agency: 112WRD Date Created: 11/06/82
Location: UNAMED TR TO CUYAHOGA R NR NORTHFIELD OH FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 412118081334300
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 3.90 On/Off RF1:
RF3 Index: 04110002060600.00 RF3 Mile Point: 0.03 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0160

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	5	20.5	20.8	22.	19.5	1.325	1.151	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	2	3.	3.	5.	1.	8.	2.828	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	5	720.	689.	730.	605.	2755.	52.488	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	5	8.	8.	8.6	7.3	0.225	0.474	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	5	88.	88.6	98.	83.	31.8	5.639	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/82-09/15/82	5	8.	7.92	8.1	7.7	0.027	0.164	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/14/82-09/15/82	5	8.	7.895	8.1	7.7	0.028	0.167	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-09/15/82	5	0.01	0.013	0.02	0.008	0.	0.005	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/18/82-08/18/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/18/82-08/18/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/18/82-08/18/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/18/82-08/18/82	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/18/82-08/18/82	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/18/82-08/18/82	1	350.	350.	350.	350.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/18/82-08/18/82	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/18/82-08/18/82	1	51.	51.	51.	51.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/18/82-08/18/82	1	1100.	1100.	1100.	1100.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/18/82-08/18/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/18/82-08/18/82	1	4200.	4200.	4200.	4200.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	1100.	1100.	1100.	1100.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	3.041	3.041	3.041	3.041	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			1100.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	1	6800.	6800.	6800.	6800.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/14/82-09/14/82	1	3.833	3.833	3.833	3.833	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			6800.								
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/18/82-08/18/82	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	3	3.4	3.5	4.2	2.9	0.43	0.656	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0160

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
31625	FECAL COLIFORM, MF	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: CUVA0161

NPS Station ID: CUVA0161
LAT/LON: 41.356670/ -81.597781
Agency: 112WRD
Date Created: 11/06/82
Location: CUYAHOGA R NR INDEPENDENCE OH
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 412124081355200
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 19.60
On/Off RF1:
RF3 Index: 04110002060600.00
RF3 Mile Point: 2.26
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0161

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/14/82-09/15/82	5	22.5	22.7	23.5	21.5	0.7	0.837	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/14/82-09/15/82	2	704.5	704.5	1190.	219.	471420.5	686.601	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/14/82-09/15/82	5	850.	857.	880.	830.	420.	20.494	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/14/82-09/15/82	5	6.1	6.22	6.8	5.7	0.257	0.507	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/14/82-09/15/82	5	70.	71.4	79.	64.	46.8	6.841	**	**	**	**
00320	BOD, ULTIMATE 1ST STAGE, 20 DEG C MG/L	09/14/82-09/15/82	5	11.	10.48	12.	7.4	3.652	1.911	**	**	**	**
00400	PH (STANDARD UNITS)	09/14/82-09/15/82	5	7.7	7.76	7.9	7.7	0.008	0.089	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/14/82-09/15/82	5	7.7	7.753	7.9	7.7	0.008	0.09	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/14/82-09/15/82	5	0.02	0.018	0.02	0.013	0.	0.003	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	530.	530.	530.	530.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	2.724	2.724	2.724	2.724	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			530.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	1	1300.	1300.	1300.	1300.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/14/82-09/14/82	1	3.114	3.114	3.114	3.114	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1300.								
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	5	3.6	4.16	5.8	2.7	1.753	1.324	**	**	**	**
82133	DEOXYGENATION CONST,CARB.,K1 TO BASE E,20C,PER DAY	09/14/82-09/15/82	5	0.13	0.11	0.14	0.06	0.001	0.037	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0161

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/31---------- Obs	Exceed	Prop.	----------11/01-3/14---------- Obs	Exceed	Prop.	----------3/15-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
31625	FECAL COLIFORM, MF	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: CUVA0162

NPS Station ID: CUVA0162 LAT/LON: 41.356670/ -81.598059 Agency: 21OHIO Date Created: 10/13/84
Location: CUYAHOGA R. AT FITZWATER RD. (RM 17.30) FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S12
RMI-Indexes: 0603002 Within Park Boundary: Yes
RMI-Miles: 0017.30
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 16.460 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 04110002000114.13 RF3 Mile Point: 14.13 Distance from RF3: 0.11 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER.
LOCATION - CUYAHOGA CO.; LOCATED AT THE FITZWATER RD. BRIDGE, DOWNSTREAM FROM THE BRECKSVILLE WWTP.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0162

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/84-10/29/87	8	20.	19.438	25.	9.	28.531	5.341	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/84-10/29/87	8	742.5	707.5	900.	458.	27404.	165.542	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/84-10/29/87	8	810.	778.	905.	557.	11710.857	108.217	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/02/84-10/29/87	8	7.85	7.638	10.2	6.	1.728	1.315	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/02/84-09/26/84	5	2.2	3.08	6.	1.9	2.917	1.708	**	**	**	**
00324	BOD, 20 DAY, 20 DEG C MG/L	08/02/84-09/26/84	5	7.2	9.7	20.	6.2	34.12	5.841	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	08/02/84-10/29/87	8	22.5	24.625	39.	20.	38.268	6.186	**	**	**	**
00400	PH (STANDARD UNITS)	08/02/84-10/29/87	8	7.8	7.856	8.5	7.4	0.097	0.311	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/02/84-10/29/87	8	7.8	7.774	8.5	7.4	0.104	0.323	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/02/84-10/29/87	8	0.016	0.017	0.04	0.003	0.	0.011	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/02/84-10/29/87	8	8.5	16.438	66.	2.5	435.103	20.859	**	**	**	**
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	08/02/84-08/21/84	3 ##	0.5	0.667	1.	0.5	0.083	0.289	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/02/84-10/29/87	8	0.175	0.421	2.34	0.025	0.612	0.783	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/02/84-10/29/87	8	0.085	0.118	0.38	0.01	0.015	0.124	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/02/84-10/29/87	8	1.15	1.338	3.7	0.6	0.971	0.986	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/02/84-10/29/87	8	3.2	3.055	4.59	1.49	1.228	1.108	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/02/84-10/29/87	8	0.405	0.399	0.56	0.24	0.016	0.125	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/15/84-10/29/87	7	254.	242.429	273.	188.	832.952	28.861	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/84-10/29/87	7	71.3	69.643	78.5	54.6	60.966	7.808	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/84-10/29/87	7	17.7	16.614	18.7	12.5	5.661	2.379	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/02/84-10/29/87	8	4.	3.5	5.	1.	1.429	1.195	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/02/84-10/29/87	8 ##	0.15	0.213	0.5	0.1	0.021	0.146	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/84-10/29/87	7 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/15/84-10/29/87	7 ##	5.	5.714	10.	5.	3.571	1.89	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/15/84-10/29/87	7	500.	884.286	2580.	390.	630828.571	794.247	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/02/84-10/29/87	8 ##	2.	6.5	31.	1.	107.429	10.365	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/29/87-10/29/87	3	80.	113.333	200.	60.	5733.333	75.719	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/15/84-10/29/87	7 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/15/84-10/29/87	7	50.	72.143	230.	20.	5290.476	72.736	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/15/84-10/29/87	7	380.	504.286	1530.	210.	210461.905	458.761	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/02/84-09/26/84	4	325.	447.5	870.	270.	82025.	286.4	**	**	**	**

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

Parameter Inventory for Station: CUVA0162

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/02/84-09/26/84	4	2.506	2.596	2.94	2.431	0.057	0.24	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			394.01								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/02/84-09/26/84	5 ##	5.	6.	10.	5.	5.	2.236	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/84-10/29/87	8	523.	512.5	588.	362.	4845.429	69.609	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/15/84-09/18/84	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/02/84-09/26/84	5	1.6	1.64	1.9	1.3	0.068	0.261	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/02/84-09/26/84	5	4.	4.3	5.7	3.5	0.785	0.886	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0162

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	8	0	0.00	8	0	0.00									
00400	PH	Other-Hi Lim.	9.	8	0	0.00	8	0	0.00									
		Other-Lo Lim.	6.5	8	0	0.00	8	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	8	0	0.00	8	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	8	0	0.00	8	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	8	0	0.00	8	0	0.00									
		Drinking Water	50.	8	0	0.00	8	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8	0	0.00	8	0	0.00									
		Drinking Water	5.	8	0	0.00	8	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	7	0	0.00	7	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	7	0	0.00	7	0	0.00									
		Drinking Water	1300.	7	0	0.00	7	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	8	0	0.00									
		Drinking Water	15.	8	1	0.13	8	1	0.13									
01067	NICKEL, TOTAL	Fresh Acute	1400.	7	0	0.00	7	0	0.00									
		Drinking Water	100.	7	0	0.00	7	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	7	1	0.14	7	1	0.14									
		Drinking Water	5000.	7	0	0.00	7	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	4	1.00	4	4	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: CUVA0163

NPS Station ID: CUVA0163
LAT/LON: 41.360059/ -81.611671
Agency: 11NPSWRD
Date Created: 03/11/95
Location: BROOKSIDE ROAD
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_BRRO
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED ON THE UNNAMED INTERMITTENT STREAM THAT RUNS ALONGSIDE BROOKSIDE ROAD. IT IS A TRIBUTARY OF THE CUYAHOGA RIVER.
AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141. RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/15/87-09/19/94	38	14.5	13.434	21.	2.	30.989	5.567	5.9	7.375	18.	20.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/19/94	42	800.	850.667	1300.	228.	42589.398	206.372	630.	757.5	957.5	1185.
00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/19/94	40	9.25	9.598	16.6	4.5	6.711	2.591	6.64	7.45	11.775	13.
00310	BOD, 5 DAY, 20 DEG C MG/L	04/15/87-07/14/93	9	2.	1.889	4.	1.	1.111	1.054	1.	1.	2.5	4.
00400	PH (STANDARD UNITS)	01/14/87-09/19/94	42	7.93	7.835	8.1	6.84	0.07	0.264	7.5	7.7	8.015	8.087
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-09/19/94	42	7.93	7.718	8.1	6.84	0.084	0.29	7.5	7.7	8.015	8.087
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-09/19/94	42	0.012	0.019	0.145	0.008	0.001	0.023	0.008	0.01	0.02	0.032
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/19/94	42	173.	170.929	208.	94.	502.848	22.424	150.3	161.75	184.25	193.7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/19/94-07/19/94	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/15/87-07/14/93	11	0.4	0.466	0.91	0.	0.07	0.264	0.044	0.32	0.73	0.88
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/87-07/19/94	12	0.17	0.188	0.39	0.01	0.016	0.128	0.025	0.084	0.283	0.387
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/87-09/17/93	9	306.	300.333	364.	171.	3265.	57.14	171.	279.	346.	364.
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/19/94	42	125.	143.976	322.	72.	3415.341	58.441	95.	109.75	152.75	255.
01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/87-09/17/93	8 ##	0.05	0.594	2.5	0.05	0.777	0.882	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/87-09/17/93	8	2.5	5.875	20.	1.	48.125	6.937	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/29/87-09/17/93	8	4.	8.75	33.	2.	113.071	10.634	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/29/87-09/17/93	8	954.5	1198.75	2900.	327.	679499.357	824.318	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/29/87-09/17/93	8	1.25	1.688	4.	0.5	1.567	1.252	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/29/87-09/17/93	8 ##	1.5	4.438	20.	1.5	41.103	6.411	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/29/87-09/17/93	8	20.5	40.875	198.	4.	4212.696	64.905	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/19/94	41	390.	797.951	4460.	20.	990053.948	995.015	156.	262.	690.	2640.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/19/94	41	2.591	2.666	3.649	1.301	0.208	0.456	2.193	2.418	2.839	3.421
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			463.001								
31648	E. COLI - MTEC-MF N0/100ML	07/01/91-09/19/94	11	384.	1036.636	6400.	5.	3316694.455	1821.179	34.4	200.	980.	5386.4
31648	LOG E. COLI - MTEC-MF N0/1	07/01/91-09/19/94	11	2.584	2.574	3.806	0.699	0.587	0.766	0.996	2.301	2.991	3.67
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			375.229								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/19/94	42	4.8	12.269	124.6	2.5	464.543	21.553	3.29	3.875	10.875	25.18
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/19/94	42	0.	0.013	0.3	0.	0.003	0.056	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: CUVA0163

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	40	0	0.00	23	0	0.00	4	0	0.00	13	0	0.00			
00400	PH	Other-Hi Lim.	9.	42	0	0.00	23	0	0.00	4	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	42	0	0.00	23	0	0.00	4	0	0.00	15	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	42	0	0.00	23	0	0.00	4	0	0.00	15	0	0.00			
		Drinking Water	250.	42	4	0.10	23	0	0.00	4	2	0.50	15	2	0.13			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	5.	8	0	0.00	7	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	7	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	1	0.13	7	1	0.14				1	0	0.00			
		Drinking Water	1300.	8	0	0.00	7	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	15.	8	0	0.00	7	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	100.	8	0	0.00	7	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	8	1	0.13	7	0	0.00				1	1	1.00			
		Drinking Water	5000.	8	0	0.00	7	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	41	36	0.88	22	20	0.91	4	3	0.75	15	13	0.87			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	11	10	0.91	8	8	1.00				3	2	0.67			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	42	2	0.05	23	1	0.04	4	0	0.00	15	1	0.07			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/15/87-09/19/94	23	18.	16.457	21.	6.	17.793	4.218	8.	15.	20.	21.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/19/94	23	800.	819.565	1150.	600.	10258.893	101.286	732.	780.	840.	952.
00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/19/94	23	8.2	8.887	16.6	4.5	7.274	2.697	6.5	7.2	9.4	13.06
00400	PH (STANDARD UNITS)	01/14/87-09/19/94	23	7.81	7.771	8.1	6.84	0.079	0.281	7.5	7.6	7.95	8.082
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-09/19/94	23	7.81	7.646	8.1	6.84	0.095	0.309	7.5	7.6	7.95	8.082
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-09/19/94	23	0.015	0.023	0.145	0.008	0.001	0.028	0.008	0.011	0.025	0.032
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/19/94	23	178.	177.913	207.	150.	215.265	14.672	157.6	165.	191.	196.4
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/15/87-07/14/93	9	0.38	0.404	0.91	0.	0.063	0.251	0.	0.27	0.53	0.91
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/87-07/19/94	10	0.16	0.187	0.39	0.01	0.019	0.137	0.015	0.075	0.313	0.389
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/19/94	23	115.	116.043	158.	72.	393.225	19.83	94.4	101.	125.	148.2
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/19/94	22	391.5	1017.636	4460.	155.	1398649.1	1182.645	190.	330.	1165.	3190.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/19/94	22	2.593	2.79	3.649	2.19	0.178	0.421	2.267	2.518	3.046	3.501
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			616.623								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/19/94	23	4.6	13.978	124.6	2.6	648.007	25.456	3.32	3.8	17.4	29.56
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/19/94	23	0.	0.024	0.3	0.	0.006	0.075	0.	0.	0.	0.146

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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/15/87-09/19/94	2	8.25	8.25	9.	7.5	1.125	1.061	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/19/94	4	1120.	1085.	1300.	800.	54566.667	233.595	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/19/94	4	12.7	12.6	14.3	10.7	2.18	1.476	**	**	**	**
00400	PH (STANDARD UNITS)	01/14/87-09/19/94	4	7.99	7.97	8.08	7.82	0.012	0.109	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-09/19/94	4	7.99	7.959	8.08	7.82	0.012	0.11	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-09/19/94	4	0.01	0.011	0.015	0.008	0.	0.003	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/19/94	4	177.	163.5	190.	110.	1342.333	36.638	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/19/94	4	220.	213.25	306.	107.	8533.583	92.377	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/19/94	4	420.	946.5	2850.	96.	1637955.667	1279.826	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/19/94	4	2.615	2.667	3.455	1.982	0.37	0.608	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			464.399								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/19/94	4	5.35	7.35	15.	3.7	26.897	5.186	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/19/94	4	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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/15/87-09/19/94	13	7.	8.885	18.	2.	18.423	4.292	3.2	5.75	11.	16.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/14/87-09/19/94	15	800.	835.867	1300.	228.	79399.124	281.779	391.2	700.	1020.	1240.
00300	OXYGEN, DISSOLVED MG/L	01/14/87-09/19/94	13	9.8	9.931	13.	7.	3.837	1.959	7.08	7.9	11.75	12.64
00400	PH (STANDARD UNITS)	01/14/87-09/19/94	15	7.95	7.898	8.1	7.1	0.061	0.247	7.46	7.86	8.04	8.1
00400	CONVERTED PH (STANDARD UNITS)	01/14/87-09/19/94	15	7.95	7.795	8.1	7.1	0.073	0.269	7.46	7.86	8.04	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/87-09/19/94	15	0.011	0.016	0.079	0.008	0.	0.018	0.008	0.009	0.014	0.044
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/14/87-09/19/94	15	170.	162.2	208.	94.	669.171	25.868	111.4	155.	173.	190.6
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/15/87-07/14/93	2	0.745	0.745	0.76	0.73	0.	0.021	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/15/87-07/19/94	2	0.19	0.19	0.26	0.12	0.01	0.099	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/14/87-09/19/94	15	139.	168.333	322.	92.	4266.952	65.322	108.2	126.	195.	305.8
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/19/94	15	360.	436.133	1700.	20.	157353.981	396.679	68.	220.	540.	1088.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/14/87-09/19/94	15	2.556	2.483	3.23	1.301	0.188	0.434	1.72	2.342	2.732	2.992
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			303.895								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/14/87-09/19/94	15	4.9	10.96	74.8	2.5	322.838	17.968	2.92	4.	9.7	37.9
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	01/14/87-09/19/94	15	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

Station Inventory for Station: CUVA0164

NPS Station ID: CUVA0164
LAT/LON: 41.364531/ -81.608726
Agency: 11NPSWRD
Date Created: 03/11/95
Location: TINKERS CREEK
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): CUVA_TICR
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05040001065800.00
RF3 Mile Point: 1.51
Distance from RF3: 0.22
On/Off RF3:
Description:
STATION IS LOCATED ON TINKERS CREEK - A TRIBUTARY OF THE CUYAHOGA RIVER. STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/86-10/03/94	47	16.	14.234	22.	0.	43.096	6.565	4.4	9.	20.	22.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/02/86-10/03/94	47	710.	702.979	1700.	325.	46472.456	215.575	396.	610.	800.	884.
00300	OXYGEN, DISSOLVED MG/L	04/02/86-10/03/94	45	9.8	10.558	20.	6.4	8.785	2.964	7.66	8.4	11.6	13.94
00310	BOD, 5 DAY, 20 DEG C MG/L	04/02/86-07/28/93	13	2.4	2.877	7.	2.	1.93	1.389	2.	2.	3.	5.8
00400	PH (STANDARD UNITS)	04/02/86-10/03/94	47	7.9	7.827	8.3	6.2	0.119	0.345	7.4	7.69	8.03	8.172
00400	CONVERTED PH (STANDARD UNITS)	04/02/86-10/03/94	47	7.9	7.532	8.3	6.2	0.208	0.456	7.4	7.69	8.03	8.172
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/02/86-10/03/94	47	0.013	0.029	0.631	0.005	0.008	0.09	0.007	0.009	0.02	0.04
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/02/86-10/03/94	47	128.	126.191	150.	67.	277.506	16.659	104.6	118.	137.	143.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/94-10/03/94	6	0.125	0.125	0.26	0.03	0.008	0.09	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/02/86-07/28/93	14	0.985	0.964	2.01	0.	0.392	0.626	0.	0.498	1.418	1.99
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/02/86-10/03/94	20	0.18	0.193	0.44	0.01	0.017	0.13	0.015	0.093	0.288	0.406
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/01/86-09/17/93	10	226.	227.4	269.	175.	874.711	29.576	177.5	207.5	248.75	269.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/02/86-10/03/94	46	124.5	129.913	488.	57.	3962.703	62.95	69.9	104.	142.	172.6
01027	CADMIUM, TOTAL (UG/L AS CD)	04/30/86-09/17/93	9 ##	1.	0.967	2.5	0.05	0.981	0.991	0.05	0.05	2.	2.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/30/86-09/17/93	9	3.	6.556	24.	1.	61.778	7.86	1.	1.5	10.5	24.
01042	COPPER, TOTAL (UG/L AS CU)	04/30/86-09/17/93	9	8.	10.833	28.	0.5	64.375	8.023	0.5	6.	15.5	28.
01045	IRON, TOTAL (UG/L AS FE)	04/30/86-09/17/93	9	660.	861.111	2900.	308.	693508.361	832.771	308.	347.5	1054.	2900.
01051	LEAD, TOTAL (UG/L AS PB)	04/30/86-09/17/93	9	1.5	3.5	18.	0.5	30.938	5.562	0.5	0.75	3.5	18.
01067	NICKEL, TOTAL (UG/L AS NI)	04/30/86-09/17/93	9	5.	6.833	20.	1.5	31.75	5.635	1.5	3.5	9.	20.
01092	ZINC, TOTAL (UG/L AS ZN)	04/30/86-09/17/93	9	18.	41.889	132.	4.	2374.361	48.727	4.	14.	77.5	132.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	41	1240.	2928.61	23000.	200.	18326531.244	4280.95	304.	460.	3550.	8400.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	41	3.093	3.138	4.362	2.301	0.288	0.537	2.483	2.662	3.547	3.924
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1372.542								
31648	E. COLI - MTEC-MF N0/100ML	07/10/91-10/03/94	12	1110.	1478.333	4400.	273.	1704293.152	1305.486	302.1	484.25	2550.	3980.
31648	LOG E. COLI - MTEC-MF N0/1	07/10/91-10/03/94	12	3.028	3.013	3.643	2.436	0.154	0.392	2.476	2.685	3.391	3.594
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			1029.642								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/02/86-10/03/94	47	7.8	24.887	457.	2.3	4747.692	68.903	2.8	3.9	18.9	34.12
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/02/86-10/03/94	47	0.	0.046	1.	0.	0.028	0.168	0.	0.	0.	0.16

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: CUVA0164

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	45	0	0.00	26	0	0.00	5	0	0.00	14	0	0.00			
00400	PH	Other-Hi Lim.	9.	47	0	0.00	26	0	0.00	5	0	0.00	16	0	0.00			
		Other-Lo Lim.	6.5	47	1	0.02	26	1	0.04	5	0	0.00	16	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	46	0	0.00	26	0	0.00	5	0	0.00	15	0	0.00			
		Drinking Water	250.	46	1	0.02	26	0	0.00	5	1	0.20	15	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	9	0	0.00	7	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	5.	9	0	0.00	7	0	0.00	1	0	0.00	1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	7	0	0.00	1	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	9	1	0.11	7	1	0.14	1	0	0.00	1	0	0.00			
		Drinking Water	1300.	9	0	0.00	7	0	0.00	1	0	0.00	1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	7	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	15.	9	1	0.11	7	1	0.14	1	0	0.00	1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	7	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	100.	9	0	0.00	7	0	0.00	1	0	0.00	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	9	2	0.22	7	1	0.14	1	0	0.00	1	1	1.00			
		Drinking Water	5000.	9	0	0.00	7	0	0.00	1	0	0.00	1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	41	41	1.00	24	24	1.00	4	4	1.00	13	13	1.00			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	12	12	1.00	10	10	1.00				2	2	1.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	47	3	0.06	26	2	0.08	5	0	0.00	16	1	0.06			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/86-10/03/94	26	20.	17.769	22.	0.	24.365	4.936	11.7	15.	21.	22.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/02/86-10/03/94	26	745.	716.538	990.	400.	19367.538	139.167	514.	607.5	802.5	886.
00300	OXYGEN, DISSOLVED MG/L	04/02/86-10/03/94	26	9.2	9.708	20.	6.4	7.638	2.764	7.54	7.95	10.65	13.34
00310	BOD, 5 DAY, 20 DEG C MG/L	04/02/86-07/28/93	10	2.7	3.04	7.	2.	2.372	1.54	2.	2.	3.25	6.7
00400	PH (STANDARD UNITS)	04/02/86-10/03/94	26	7.9	7.82	8.3	6.2	0.163	0.404	7.44	7.75	8.04	8.156
00400	CONVERTED PH (STANDARD UNITS)	04/02/86-10/03/94	26	7.9	7.41	8.3	6.2	0.338	0.582	7.44	7.75	8.04	8.156
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/02/86-10/03/94	26	0.013	0.039	0.631	0.005	0.015	0.121	0.007	0.009	0.018	0.037
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/02/86-10/03/94	26	129.5	129.423	150.	88.	167.774	12.953	115.7	122.25	138.25	146.5
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/02/86-07/28/93	11	1.09	0.975	2.01	0.	0.505	0.711	0.	0.34	1.47	2.002
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/02/86-10/03/94	15	0.12	0.184	0.44	0.01	0.02	0.141	0.01	0.078	0.3	0.422
00940	CHLORIDE,TOTAL IN WATER MG/L	04/02/86-10/03/94	26	118.	120.423	202.	59.	1029.694	32.089	80.4	97.5	134.75	172.6
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	24	1140.	3186.375	23000.	200.	26039858.853	5102.926	310.	422.5	3050.	9750.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	24	3.054	3.135	4.362	2.301	0.312	0.559	2.491	2.624	3.484	3.985
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1364.128								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/02/86-10/03/94	26	7.9	18.827	144.	2.3	986.495	31.409	2.89	3.975	20.625	49.98
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/02/86-10/03/94	26	0.	0.047	1.	0.	0.039	0.198	0.	0.	0.	0.067

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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/86-10/03/94	5	5.	6.6	19.	1.	52.3	7.232	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/02/86-10/03/94	5	800.	839.	1700.	380.	286730.	535.472	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/02/86-10/03/94	5	12.4	11.42	12.8	8.6	3.182	1.784	**	**	**	**
00400	PH (STANDARD UNITS)	04/02/86-10/03/94	5	7.88	7.872	8.03	7.71	0.015	0.121	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/02/86-10/03/94	5	7.88	7.859	8.03	7.71	0.015	0.122	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/02/86-10/03/94	5	0.013	0.014	0.019	0.009	0.	0.004	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/02/86-10/03/94	5	127.	122.	143.	85.	519.	22.782	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/02/86-10/03/94	5	123.	191.	488.	57.	29566.5	171.949	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	4	5000.	5007.5	9600.	430.	14681558.333	3831.652	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	4	3.69	3.499	3.982	2.633	0.357	0.598	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3154.916								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/02/86-10/03/94	5	6.	11.5	37.	3.	206.08	14.355	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/02/86-10/03/94	5	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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/86-10/03/94	16	10.5	10.875	18.	2.	24.483	4.948	4.1	7.	16.125	18.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/02/86-10/03/94	16	700.	638.438	800.	325.	22845.729	151.148	342.5	612.5	717.5	772.
00300	OXYGEN, DISSOLVED MG/L	04/02/86-10/03/94	14	11.15	11.829	19.7	7.9	10.596	3.255	8.05	9.6	13.425	18.35
00310	BOD, 5 DAY, 20 DEG C MG/L	04/02/86-07/28/93	3	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
00400	PH (STANDARD UNITS)	04/02/86-10/03/94	16	7.825	7.824	8.23	7.4	0.09	0.299	7.4	7.528	8.09	8.223
00400	CONVERTED PH (STANDARD UNITS)	04/02/86-10/03/94	16	7.824	7.729	8.23	7.4	0.099	0.315	7.4	7.528	8.09	8.223
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/02/86-10/03/94	16	0.015	0.019	0.04	0.006	0.	0.013	0.006	0.008	0.03	0.04
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/02/86-10/03/94	16	127.5	122.25	148.	67.	392.467	19.811	89.4	111.5	135.	141.7
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/02/86-07/28/93	3	0.9	0.923	1.07	0.8	0.019	0.137	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/02/86-10/03/94	5	0.23	0.222	0.37	0.1	0.01	0.1	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/02/86-10/03/94	15	134.	126.	162.	61.	934.571	30.571	63.4	114.	150.	159.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	13	1140.	1813.077	8000.	220.	4586723.077	2141.664	224.	470.	2150.	6400.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/86-10/03/94	13	3.057	3.031	3.903	2.342	0.216	0.465	2.35	2.667	3.332	3.783
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1074.575								

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/02/86-10/03/94	16	8.15	38.919	457.	2.7	12527.066	111.924	2.77	3.7	19.6	160.48
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/02/86-10/03/94	16	0.	0.059	0.5	0.	0.02	0.143	0.	0.	0.	0.36

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

Station Inventory for Station: CUVA0165

NPS Station ID: CUVA0165 | LAT/LON: 41.364726/ -81.476392 | Agency: 21OHIO | Date Created: 02/22/92
Location: TINKERS CREEK 0.4 MI. DST OF IOOF CAMP BRIDGE | FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): F01W58
RMI-Indexes: 0603002 000230 | Within Park Boundary: No
RMI-Miles: 0016.36 0010.20
HUC: 04110002 | Depth of Water: 0 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA | ECO Region:
RF1 Index: 04110002001 | RF1 Mile Point: 16.360 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 04110002065300.10 | RF3 Mile Point: 0.95 | Distance from RF3: 0.03 | On/Off RF3:
Description:
PURPOSE - OHIO EPA INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY LOCATION - TINKERS CREEK AT IOOF CAMP, 0.4 MI. DST. OF BRIDGE (ENTRANCE TO CAMP) AND MOUTH OF BEAVER MEADOW RUN, UPST. OF LARGE POWERLINE CROSS- ING, SW. OF SOLON, CUYAHOGA CO.
COLLECTION - 1991 SURVEY CONDUCTED BY WQ MODELING SECTION OF DWQPA

Parameter Inventory for Station: CUVA0165

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/91-07/31/91	2	879.	879.	885.	873.	72.	8.485	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/31/91-07/31/91	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/30/91-07/31/91	2	28.5	28.5	29.	28.	0.5	0.707	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/91-07/31/91	2	28.	28.	30.	26.	8.	2.828	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/30/91-07/31/91	2	0.09	0.09	0.11	0.07	0.001	0.028	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/30/91-07/31/91	2	0.095	0.095	0.14	0.05	0.004	0.064	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/91-07/31/91	2	1.2	1.2	1.3	1.1	0.02	0.141	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/30/91-07/31/91	2	6.765	6.765	7.54	5.99	1.201	1.096	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/91-07/31/91	2	224.	224.	225.	223.	2.	1.414	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/91-07/31/91	2	62.5	62.5	63.	62.	0.5	0.707	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/30/91-07/31/91	2	16.5	16.5	17.	16.	0.5	0.707	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/30/91-07/31/91	2	119.	119.	124.	114.	50.	7.071	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/30/91-07/31/91	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/30/91-07/31/91	2 ##	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/30/91-07/31/91	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/30/91-07/31/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/30/91-07/31/91	2	1550.	1550.	1940.	1160.	304200.	551.543	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/30/91-07/31/91	2 ##	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/30/91-07/31/91	2	102.5	102.5	120.	85.	612.5	24.749	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/30/91-07/31/91	2 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/30/91-07/31/91	2	32.5	32.5	35.	30.	12.5	3.536	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/30/91-07/31/91	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/30/91-07/31/91	2	559.	559.	560.	558.	2.	1.414	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/31/91-07/31/91	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/30/91-07/31/91	2	9.4	9.4	10.	8.8	0.72	0.849	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0165

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	0	0.00	2	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00	2	0	0.00									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	2	0	0.00									
		Drinking Water	15.	2	0	0.00	2	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	2	0	0.00									
		Drinking Water	5000.	2	0	0.00	2	0	0.00									
01147	SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: CUVA0166

NPS Station ID: CUVA0166
LAT/LON: 41.364726/ -81.609170
Agency: 21OHIO
Date Created: 09/15/84
Location: TINKERS CREEK AT MOUTH - CANAL RD.
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): F01S24
RMI-Indexes: 0603002 000230
Within Park Boundary: Yes
RMI-Miles: 0016.36 0000.10
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 18.220
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 04110002001900.00
RF3 Mile Point: 4.02
Distance from RF3: 0.02
On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER AND ITS MAJOR TRIBUTARIES.
LOCATION - CUYAHOGA CO.; LOCATED AT THE CANAL RD. BRIDGE, JUST UPSTREAM FROM THE CONFLUENCE WITH THE CUYAHOGA RIVER.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0166

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/84-08/29/91	7	22.	19.786	24.5	10.	22.905	4.786	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/84-08/29/91	7	707.	701.	824.	540.	15117.667	122.954	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/84-10/02/84	4	674.	695.75	831.	604.	9389.583	96.9	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/26/84-08/29/91	7	7.9	8.7	12.2	7.5	3.057	1.748	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/26/84-08/29/91	9	30.	30.556	56.	18.	169.528	13.02	18.	18.5	39.	56.
00400	PH (STANDARD UNITS)	07/26/84-08/29/91	7	7.9	8.019	8.8	7.8	0.123	0.351	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/84-08/29/91	7	7.9	7.942	8.8	7.8	0.13	0.36	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/84-08/29/91	7	0.013	0.011	0.016	0.002	0.	0.005	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/26/84-08/29/91	9	15.	24.389	99.	2.5	981.674	31.332	2.5	2.5	38.	99.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/26/84-08/29/91	9	0.08	0.086	0.2	0.025	0.004	0.064	0.025	0.025	0.14	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/26/84-08/29/91	9	0.06	0.086	0.18	0.03	0.004	0.06	0.03	0.04	0.155	0.18
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/26/84-08/29/91	9	1.1	1.056	1.2	0.7	0.028	0.167	0.7	0.95	1.2	1.2
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/26/84-08/29/91	9	5.02	5.719	9.38	2.62	6.878	2.623	2.62	3.03	8.24	9.38
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/84-08/29/91	9	0.25	0.277	0.55	0.08	0.026	0.163	0.08	0.15	0.44	0.55
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	10/02/84-10/02/84	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/84-08/29/91	9	223.	213.778	255.	157.	925.944	30.429	157.	194.	230.	255.
00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/84-08/29/91	9	63.	60.022	70.8	39.8	95.594	9.777	39.8	54.8	65.	70.8
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	10/09/91-10/09/91	1	12700.	12700.	12700.	12700.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	10/09/91-10/09/91	1	4530.	4530.	4530.	4530.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/84-08/29/91	9	15.	15.533	19.	12.9	3.132	1.77	12.9	14.45	16.5	19.
00929	SODIUM, TOTAL (MG/L AS NA)	07/26/84-10/02/84	4	54.	61.5	86.	52.	267.667	16.361	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/26/84-10/02/84	4	5.5	6.	8.	5.	2.	1.414	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/26/84-08/29/91	9	112.	103.111	116.	73.	264.361	16.259	73.	87.	115.	116.
00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/84-10/02/84	4	64.5	72.75	98.	64.	283.583	16.84	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/09/91-10/09/91	1	11.9	11.9	11.9	11.9	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/26/84-08/29/91	9	0.2	0.311	0.6	0.1	0.034	0.183	0.1	0.2	0.5	0.6
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/91-10/09/91	1	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/91-10/09/91	1	10.6	10.6	10.6	10.6	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/26/84-08/29/91	8 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/26/84-08/29/91	9 ##	5.	11.667	40.	5.	137.5	11.726	5.	5.	15.	40.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/09/91-10/09/91	1	22.	22.	22.	22.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: CUVA0166

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	07/26/84-08/29/91	7	950.	1568.571	5290.	210.	3077680.952	1754.332	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/26/84-08/29/91	9	3.	3.778	12.	1.	10.944	3.308	1.	2.	4.5	12.
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/09/91-10/09/91	1	27.2	27.2	27.2	27.2	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/09/91-10/09/91	1	274.	274.	274.	274.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/84-10/02/84	4	90.	97.5	160.	50.	2358.333	48.563	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/26/84-08/29/91	9 ##	20.	20.	20.	20.	0.	0.	20.	20.	20.	20.
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/91-10/09/91	1	21.3	21.3	21.3	21.3	0.	0.	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	07/26/84-10/02/84	4	225.	220.	270.	160.	2466.667	49.666	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/26/84-08/29/91	9	20.	28.333	70.	15.	325.	18.028	15.	17.5	35.	70.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/09/91-10/09/91	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/84-10/02/84	4	1135.	1757.5	4380.	380.	3272158.333	1808.911	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/09/91-10/09/91	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/09/91-10/09/91	1	22500.	22500.	22500.	22500.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/26/84-10/02/84	4 ##	5.	7.25	14.	5.	20.25	4.5	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/26/84-08/29/91	9	536.	495.333	556.	378.	4395.	66.295	378.	427.	543.	556.
71900	MERCURY, TOTAL (UG/L AS HG)	07/26/84-08/08/84	2 ##	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: CUVA0166

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	7	0	0.00	7	0	0.00									
00400	PH	Other-Hi Lim.	9.	7	0	0.00	7	0	0.00									
		Other-Lo Lim.	6.5	7	0	0.00	7	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	9	0	0.00	9	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	9	0	0.00	9	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	9	0	0.00	9	0	0.00									
		Drinking Water	250.	9	0	0.00	9	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	4	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	9	0	0.00	9	0	0.00									
		Drinking Water	5.	9	0	0.00	9	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	8	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	9	2	0.22	9	2	0.22									
		Drinking Water	1300.	9	0	0.00	9	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	9	0	0.00									
		Drinking Water	15.	9	0	0.00	9	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	9	0	0.00									
		Drinking Water	100.	9	0	0.00	9	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	9	0	0.00	9	0	0.00									
		Drinking Water	5000.	9	0	0.00	9	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: CUVA0167

NPS Station ID: CUVA0167
LAT/LON: 41.365003/ -81.608892
Agency: 112WRD
Date Created: / /
Location: TINKERS C NR INDEPENDENCE OH
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 04207300
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 13.220
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 04110002002110.35
RF3 Mile Point: 15.75
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/75-09/15/82	115	14.5	13.215	27.	0.	78.037	8.834	0.5	4.5	22.	24.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/09/75-09/11/79	110	15.25	14.255	33.	-12.	142.82	11.951	4.05	-6.	26.	28.
00060	FLOW, STREAM, MEAN DAILY CFS	07/09/75-09/11/79	103	61.	120.612	877.	20.	24135.103	155.355	31.4	41.	124.	282.
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/09/75-09/15/82	106	60.5	118.915	877.	20.	23588.231	153.585	31.	40.75	119.5	267.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/09/75-03/20/79	97	15.	21.361	150.	2.	604.462	24.586	4.	10.	25.	41.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/04/79-09/11/79	13	10.	13.692	35.	1.	107.731	10.379	1.4	7.5	20.	33.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/09/75-09/11/79	105	25.	25.771	60.	3.	188.543	13.731	9.2	14.	37.5	46.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/09/75-09/15/82	115	785.	855.817	3170.	230.	139203.326	373.1	539.	650.	915.	1244.
00300	OXYGEN, DISSOLVED MG/L	07/09/75-09/15/82	115	10.8	10.61	15.6	5.6	4.512	2.124	7.7	8.7	12.2	13.2
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/09/75-09/15/82	115	94.	98.896	179.	64.	405.235	20.13	81.6	87.	100.	130.
00335	COD, .025N K2CR2O7 MG/L	07/09/75-11/28/78	88	29.	31.602	180.	14.	368.104	19.186	19.9	24.	35.	40.1
00340	COD, .25N K2CR2O7 MG/L	10/17/78-09/11/79	22	37.	39.591	110.	8.	509.872	22.58	14.6	24.	52.25	67.8
00400	PH (STANDARD UNITS)	07/09/75-09/15/82	115	8.	7.98	9.2	6.9	0.134	0.366	7.5	7.8	8.1	8.4
00400	CONVERTED PH (STANDARD UNITS)	07/09/75-09/15/82	115	8.	7.837	9.2	6.9	0.155	0.393	7.5	7.8	8.1	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/75-09/15/82	115	0.01	0.015	0.126	0.001	0.	0.015	0.004	0.008	0.016	0.032
00405	CARBON DIOXIDE (MG/L AS CO2)	07/09/75-08/08/79	22	2.6	3.045	8.2	0.2	4.796	2.19	0.53	1.675	3.625	7.55
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/75-08/08/79	22	130.	128.364	182.	66.	830.338	28.816	85.5	109.25	151.5	166.1
00440	BICARBONATE ION (MG/L AS HCO3)	07/09/75-08/08/79	22	152.	151.909	222.	80.	1247.61	35.322	103.8	129.	177.	202.8
00445	CARBONATE ION (MG/L AS CO3)	07/09/75-08/08/79	22	0.	2.227	19.	0.	33.517	5.789	0.	0.	0.	15.4
00500	RESIDUE, TOTAL (MG/L)	07/09/75-09/11/79	110	539.5	581.527	1830.	310.	40302.545	200.755	410.1	460.75	633.25	815.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/75-09/11/79	110	46.	58.755	275.	1.	2102.792	45.856	24.	37.	63.5	92.4
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	09/03/75-09/03/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	07/09/75-09/11/79	107	0.	1.103	41.	0.	16.338	4.042	0.	0.	1.	2.
00600	NITROGEN, TOTAL (MG/L AS N)	07/09/75-09/11/79	110	3.8	4.116	24.	0.73	6.605	2.57	1.91	2.5	5.125	5.9
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/09/75-09/11/79	110	1.1	1.331	20.	0.	3.792	1.947	0.522	0.795	1.4	1.79
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/75-09/11/79	110	0.35	0.714	4.5	0.005	0.719	0.848	0.082	0.208	0.925	1.78
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/75-09/11/79	110	1.4	2.038	20.	0.05	4.845	2.201	0.807	1.1	2.2	3.39
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/75-09/11/79	110	1.8	2.074	6.5	0.2	1.457	1.207	0.711	1.2	2.925	3.8
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/17/79-06/26/79	6	1.7	1.992	4.	0.55	1.644	1.282	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/75-09/11/79	110	0.78	0.795	1.7	0.16	0.154	0.392	0.311	0.438	1.1	1.4
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/09/75-09/11/79	107	9.7	11.194	99.	3.8	95.329	9.764	6.48	7.3	12.	15.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/09/75-10/31/78	3	250.	256.667	300.	220.	1633.333	40.415	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/31/78-10/31/78	1	170.	170.	170.	170.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/30/75-08/08/79	17	62.	60.353	78.	26.	223.493	14.95	33.2	51.5	75.	77.2
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/30/75-08/08/79	17	15.	15.082	19.	8.4	9.09	3.015	10.48	13.5	17.5	19.
00929	SODIUM, TOTAL (MG/L AS NA)	09/30/75-08/08/79	16	56.	69.75	250.	27.	2675.133	51.722	33.3	46.5	66.	152.
00937	POTASSIUM, TOTAL MG/L AS K)	09/30/75-08/08/79	16	5.05	5.013	6.2	3.1	0.922	0.96	3.52	4.25	5.925	6.13
00940	CHLORIDE,TOTAL IN WATER MG/L	07/09/75-08/08/79	40	97.	120.175	460.	28.	6298.148	79.361	58.6	78.5	130.	191.8

** - 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: CUVA0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	07/09/75-08/08/79	40	71.5	69.65	110.	27.	298.695	17.283	50.	57.	82.5	87.9
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/18/82-08/18/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/18/82-08/18/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/75-09/11/79	110 ##	1.	1.655	76.	0.	52.687	7.259	0.	0.	1.	2.
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/75-09/11/79	109 ##	10.	23.174	330.	0.	1540.905	39.254	10.	10.	20.	40.
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/18/82-08/18/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/09/75-09/11/79	109	11.	16.165	190.	0.	353.972	18.814	8.	10.	20.	24.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/18/82-08/18/82	1	58.	58.	58.	58.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/09/75-09/11/79	109	990.	1662.394	9600.	1.	3407906.074	1846.051	380.	600.	1950.	3700.
01051	LEAD, TOTAL (UG/L AS PB)	07/09/75-09/11/79	110	8.	18.245	240.	0.	1066.26	32.654	2.	4.	16.25	40.7
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/18/82-08/18/82	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/18/82-08/18/82	1	900.	900.	900.	900.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/75-09/11/79	110	120.	134.318	390.	5.	5399.76	73.483	50.	80.	170.	230.
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/75-09/11/79	110	17.	18.236	45.	1.	68.347	8.267	8.1	13.	22.	30.9
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/18/82-08/18/82	1	31.	31.	31.	31.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/75-09/11/79	108	40.	57.037	400.	10.	2348.148	48.458	20.	30.	67.5	100.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/18/82-08/18/82	1	190.	190.	190.	190.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/18/82-08/18/82	1	2800.	2800.	2800.	2800.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/18/82-08/18/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/18/82-08/18/82	1	8400.	8400.	8400.	8400.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/75-09/21/76	31	3200.	7590.323	100000.	130.	311724149.892	17655.712	482.	1400.	7000.	14400.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/75-09/21/76	31	3.505	3.487	5.	2.114	0.317	0.563	2.683	3.146	3.845	4.157
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3072.128								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/05/76-09/14/82	78	1650.	3653.321	32000.	25.	31321791.208	5596.587	159.	600.	4400.	8740.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/05/76-09/14/82	78	3.217	3.156	4.505	1.398	0.439	0.662	2.201	2.778	3.643	3.941
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			1432.372								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/05/76-09/11/79	77	650.	1734.74	24000.	30.	10245556.8	3200.868	61.6	140.	2600.	4240.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/05/76-09/11/79	77	2.813	2.741	4.38	1.477	0.499	0.706	1.79	2.146	3.415	3.627
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			550.281								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/09/75-09/14/82	33	690.	2027.03	22000.	57.	16161273.843	4020.109	120.	215.	2100.	4860.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/09/75-09/14/82	33	2.839	2.848	4.342	1.756	0.398	0.631	2.079	2.327	3.322	3.687
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			704.914								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/75-09/11/79	110	1.	11.409	520.	0.	2868.96	53.563	0.	0.	4.	12.9
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/75-09/11/79	110	492.	522.764	1780.	159.	43893.283	209.507	325.2	392.25	573.	764.5
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/09/75-09/11/79	104	94.4	131.903	563.	30.8	13418.089	115.836	44.1	53.925	152.75	348.5
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/09/75-09/11/79	109	0.68	0.713	2.42	0.22	0.082	0.286	0.44	0.54	0.785	1.05
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/17/79-09/11/79	12	0.4	0.474	1.7	0.	0.25	0.5	0.003	0.11	0.5	1.55
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/17/79-09/11/79	12	2.3	2.254	4.	0.55	1.016	1.008	0.715	1.375	2.975	3.82
71887	NITROGEN, TOTAL, AS NO3 - MG/L	07/09/75-09/11/79	110	17.	18.27	110.	3.2	136.557	11.686	8.51	11.	23.	26.
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/18/82-08/18/82	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	3	2.4	3.1	5.1	1.8	3.09	1.758	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0167

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	97	8	0.08	35	5	0.14	37	1	0.03	25	2	0.08			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	13	0	0.00	6	0	0.00				7	0	0.00			
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	115	0	0.00	46	0	0.00	37	0	0.00	32	0	0.00			
00400	PH	Other-Hi Lim.	9.	115	3	0.03	46	2	0.04	37	0	0.00	32	1	0.03			
		Other-Lo Lim.	6.5	115	0	0.00	46	0	0.00	37	0	0.00	32	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	110	0	0.00	41	0	0.00	37	0	0.00	32	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	40	0	0.00	15	0	0.00	14	0	0.00	11	0	0.00			
		Drinking Water	250.	40	3	0.08	15	0	0.00	14	3	0.21	11	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	40	0	0.00	15	0	0.00	14	0	0.00	11	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: CUVA0167

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01027	CADMIUM, TOTAL	Fresh Acute	3.9	110	7	0.06	41	2	0.05	37	4	0.11	32	1	0.03			
		Drinking Water	5.	110	4	0.04	41	1	0.02	37	2	0.05	32	1	0.03			
01034	CHROMIUM, TOTAL	Drinking Water	100.	109	3	0.03	40	2	0.05	37	0	0.00	32	1	0.03			
01042	COPPER, TOTAL	Fresh Acute	18.	109	32	0.29	40	6	0.15	37	17	0.46	32	9	0.28			
		Drinking Water	1300.	109	0	0.00	40	0	0.00	37	0	0.00	32	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	110	6	0.05	41	1	0.02	37	2	0.05	32	3	0.09			
		Drinking Water	15.	110	33	0.30	41	8	0.20	37	17	0.46	32	8	0.25			
01067	NICKEL, TOTAL	Fresh Acute	1400.	110	0	0.00	41	0	0.00	37	0	0.00	32	0	0.00			
		Drinking Water	100.	110	0	0.00	41	0	0.00	37	0	0.00	32	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	108	9	0.08	40	4	0.10	37	4	0.11	31	1	0.03			
		Drinking Water	5000.	108	0	0.00	40	0	0.00	37	0	0.00	31	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	31	30	0.97	14	14	1.00	9	9	1.00	8	7	0.88			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	78	69	0.88	26	23	0.88	28	25	0.89	24	21	0.88			

& - 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 1975 - Station CUVA0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/75-09/15/82	13	17.	15.346	27.	0.5	71.933	8.481	1.9	7.75	22.5	26.2
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/09/75-09/11/79	13	20.5	17.	29.	-3.	109.792	10.478	3.4	4.	25.5	28.6
00060	FLOW, STREAM, MEAN DAILY CFS	07/09/75-09/11/79	13	61.	121.154	531.	28.	17961.474	134.02	33.6	45.5	144.5	399.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/09/75-09/15/82	13	61.	121.154	531.	28.	17961.474	134.02	33.6	45.5	144.5	399.8
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/09/75-03/20/79	13	25.	30.615	100.	2.	1059.09	32.544	2.8	8.5	32.5	100.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/09/75-09/11/79	13	20.	22.615	42.	3.	167.923	12.959	3.	13.5	36.	40.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/09/75-09/15/82	13	620.	628.462	1150.	400.	33414.103	182.795	424.	500.	665.	974.
00300	OXYGEN, DISSOLVED MG/L	07/09/75-09/15/82	13	9.8	9.692	12.4	5.6	4.361	2.088	6.44	7.95	11.6	12.32
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/09/75-09/15/82	13	92.	95.615	130.	66.	323.423	17.984	69.6	85.5	110.	126.
00335	COD, .025N K2CR2O7 MG/L	07/09/75-11/28/78	13	26.	31.	84.	17.	293.167	17.122	18.2	21.5	34.	66.
00400	PH (STANDARD UNITS)	07/09/75-09/15/82	13	7.7	7.731	8.4	6.9	0.156	0.395	7.06	7.55	8.05	8.32
00400	CONVERTED PH (STANDARD UNITS)	07/09/75-09/15/82	13	7.7	7.554	8.4	6.9	0.189	0.435	7.06	7.55	8.05	8.32
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/75-09/15/82	13	0.02	0.028	0.126	0.004	0.001	0.032	0.005	0.009	0.028	0.096
00500	RESIDUE, TOTAL (MG/L)	07/09/75-09/11/79	13	432.	448.231	716.	310.	10938.192	104.586	318.	392.	479.5	657.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/75-09/11/79	13	40.	57.769	275.	9.	4964.026	70.456	10.6	20.	56.5	209.
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	07/09/75-09/11/79	12	0.	0.667	5.	0.	2.061	1.435	0.	0.	1.	3.8
00600	NITROGEN, TOTAL (MG/L AS N)	07/09/75-09/11/79	13	3.2	3.4	5.4	1.2	1.695	1.302	1.56	2.3	4.55	5.36
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/09/75-09/11/79	13	0.73	0.815	2.7	0.	0.443	0.666	0.08	0.42	0.985	2.14
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/75-09/11/79	13	0.3	0.496	1.2	0.07	0.156	0.395	0.082	0.165	0.865	1.16
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/75-09/11/79	13	1.1	1.257	3.3	0.12	0.76	0.872	0.22	0.685	1.6	2.98
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/75-09/11/79	13	2.1	2.088	3.6	0.45	0.906	0.952	0.75	1.25	2.9	3.48
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/75-09/11/79	13	0.75	0.815	1.3	0.23	0.114	0.338	0.342	0.56	1.15	1.3
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/09/75-09/11/79	13	8.6	10.931	27.	5.	38.357	6.193	5.72	7.7	12.5	24.2
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/75-09/11/79	13 ##	1.	6.692	76.	0.	434.564	20.846	0.	0.	2.	46.8
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/75-09/11/79	13 ##	10.	14.615	80.	0.	443.59	21.062	0.	5.	10.	60.
01042	COPPER, TOTAL (UG/L AS CU)	07/09/75-09/11/79	13 ##	10.	26.154	190.	10.	2442.308	49.42	10.	10.	20.	122.
01045	IRON, TOTAL (UG/L AS FE)	07/09/75-09/11/79	13	1200.	2081.538	9000.	420.	5809247.436	2410.238	436.	640.	2250.	7400.
01051	LEAD, TOTAL (UG/L AS PB)	07/09/75-09/11/79	13	5.	24.	240.	1.	4234.5	65.073	1.	2.5	11.5	150.8
01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/75-09/11/79	13	100.	126.154	390.	30.	7858.974	88.651	42.	75.	145.	302.
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/75-09/11/79	13	17.	17.308	45.	1.	132.064	11.492	3.4	8.	20.	39.8
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/75-09/11/79	13	30.	60.	400.	20.	10500.	102.47	20.	25.	40.	256.
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/75-09/11/79	13	1.	41.692	520.	0.	20659.397	143.734	0.	0.	5.	314.8
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/75-09/11/79	13	362.	390.462	700.	248.	12068.936	109.859	266.8	325.5	426.	602.4
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/09/75-09/11/79	13	66.	111.746	356.	34.5	8545.458	92.442	39.06	48.4	161.5	295.2
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/09/75-09/11/79	13	0.49	0.53	0.95	0.34	0.022	0.149	0.364	0.44	0.58	0.818
71887	NITROGEN, TOTAL, AS NO3 - MG/L	07/09/75-09/11/79	13	14.	15.1	24.	5.3	33.045	5.748	6.9	10.35	20.5	23.6

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Annual Analysis for 1976 - Station CUVA0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/75-09/15/82	25	12.	11.8	24.5	0.	73.313	8.562	0.	3.25	20.25	23.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/09/75-09/11/79	25	15.	13.4	31.	-10.	158.146	12.576	3.7	0.5	27.	29.2
00060	FLOW, STREAM, MEAN DAILY CFS	07/09/75-09/11/79	22	64.	102.909	877.	24.	31205.801	176.652	28.8	34.5	99.75	142.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/09/75-09/15/82	22	64.	102.909	877.	24.	31205.801	176.652	28.8	34.5	99.75	142.5
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/09/75-03/20/79	25	15.	23.	150.	2.	1082.833	32.906	4.2	7.5	22.5	64.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/09/75-09/11/79	25	25.	25.64	46.	4.	157.907	12.566	6.6	16.	38.5	43.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/09/75-09/15/82	25	770.	792.4	1350.	230.	64223.167	253.423	482.	652.5	877.5	1244.
00300	OXYGEN, DISSOLVED MG/L	07/09/75-09/15/82	25	11.4	10.776	13.4	8.2	2.659	1.631	8.36	9.	12.05	12.78
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/09/75-09/15/82	25	94.	98.4	160.	78.	366.833	19.153	81.6	85.	105.	130.
00335	COD, .025N K2CR2O7 MG/L	07/09/75-11/28/78	25	24.	26.28	52.	17.	60.377	7.77	18.6	22.	28.	38.8
00400	PH (STANDARD UNITS)	07/09/75-09/15/82	25	8.	7.948	9.	7.3	0.166	0.407	7.4	7.6	8.2	8.44
00400	CONVERTED PH (STANDARD UNITS)	07/09/75-09/15/82	25	8.	7.786	9.	7.3	0.193	0.439	7.4	7.6	8.2	8.44
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/75-09/15/82	25	0.01	0.016	0.05	0.001	0.	0.014	0.004	0.006	0.025	0.04
00500	RESIDUE, TOTAL (MG/L)	07/09/75-09/11/79	25	530.	544.2	841.	376.	14906.417	122.092	406.4	455.	575.	784.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/75-09/11/79	25	44.	56.24	274.	1.	3405.94	58.36	18.4	28.	57.	127.6

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Annual Analysis for 1976 - Station CUVA0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	07/09/75-09/11/79	25	0.	0.6	4.	0.	0.917	0.957	0.	0.	1.	2.
00600	NITROGEN, TOTAL (MG/L AS N)	07/09/75-09/11/79	25	3.6	3.68	5.9	1.3	2.151	1.467	1.56	2.35	5.05	5.6
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/09/75-09/11/79	25	0.95	0.948	1.5	0.42	0.081	0.285	0.492	0.73	1.1	1.34
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/75-09/11/79	25	0.54	0.606	1.9	0.005	0.261	0.511	0.02	0.175	1.005	1.38
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/75-09/11/79	25	1.4	1.552	3.4	0.48	0.519	0.721	0.662	1.1	2.	2.6
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/75-09/11/79	25	1.7	2.122	4.1	0.59	1.542	1.242	0.618	0.87	3.5	3.88
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/75-09/11/79	25	0.63	0.696	1.5	0.16	0.138	0.372	0.254	0.365	0.97	1.22
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/09/75-09/11/79	23	10.	11.078	21.	6.4	11.469	3.387	7.46	8.8	12.	16.2
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/75-09/11/79	25 ##	1.	1.	3.	0.	0.583	0.764	0.	0.5	1.	2.
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/75-09/11/79	24 ##	10.	14.417	30.	10.	50.775	7.126	10.	10.	20.	30.
01042	COPPER, TOTAL (UG/L AS CU)	07/09/75-09/11/79	24 ##	10.	12.083	20.	0.	25.906	5.09	10.	10.	17.5	20.
01045	IRON, TOTAL (UG/L AS FE)	07/09/75-09/11/79	25	840.	1848.8	9600.	190.	5308444.333	2304.006	306.	445.	2600.	5900.
01051	LEAD, TOTAL (UG/L AS PB)	07/09/75-09/11/79	25	4.	6.16	22.	0.	26.89	5.186	1.	3.5	8.	15.4
01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/75-09/11/79	25	130.	130.	250.	40.	3441.667	58.666	46.	70.	175.	198.
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/75-09/11/79	25	16.	17.44	39.	4.	69.423	8.332	6.8	12.	22.5	30.8
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/75-09/11/79	24	45.	62.917	220.	10.	2769.384	52.625	20.	22.5	77.5	150.
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/75-09/11/79	25	1.	2.08	13.	0.	11.91	3.451	0.	0.	2.5	9.4
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/75-09/11/79	25	487.	487.96	771.	159.	20291.957	142.45	288.	412.	542.	732.4
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/09/75-09/11/79	22	83.05	98.164	376.	34.1	5682.482	75.382	37.2	48.45	117.	184.6
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/09/75-09/11/79	24	0.67	0.67	1.05	0.22	0.038	0.195	0.375	0.595	0.738	1.005
71887	NITROGEN, TOTAL, AS NO3 - MG/L	07/09/75-09/11/79	25	16.	16.248	26.	5.5	42.056	6.485	6.94	10.35	22.5	24.8

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Annual Analysis for 1977 - Station CUVA0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/75-09/15/82	26	14.5	13.365	26.	0.	80.031	8.946	0.5	2.875	22.125	24.45
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/09/75-09/11/79	26	18.	15.096	32.	-7.5	154.42	12.427	4.7	-3.5	25.875	29.45
00060	FLOW, STREAM, MEAN DAILY CFS	07/09/75-09/11/79	24	92.	133.5	462.	29.	13705.652	117.071	32.5	42.	193.75	330.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/09/75-09/15/82	24	92.	133.5	462.	29.	13705.652	117.071	32.5	42.	193.75	330.5
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/09/75-03/20/79	26	15.	22.115	100.	4.	434.586	20.847	6.1	10.	26.25	51.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/09/75-09/11/79	24	15.5	23.5	48.	6.	176.783	13.296	8.5	12.5	36.75	41.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/09/75-09/15/82	26	772.5	860.962	1900.	395.	138152.038	371.688	558.	630.	882.5	1633.
00300	OXYGEN, DISSOLVED MG/L	07/09/75-09/15/82	26	10.	10.196	14.6	6.8	4.941	2.223	7.41	7.95	12.075	13.21
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/09/75-09/15/82	26	90.5	94.	140.	72.	214.72	14.653	80.2	86.75	96.	116.
00335	COD, .025N K2CR2O7 MG/L	07/09/75-11/28/78	26	30.	29.731	45.	15.	45.485	6.744	21.1	25.	35.	40.
00400	PH (STANDARD UNITS)	07/09/75-09/15/82	26	8.	8.019	9.1	7.3	0.099	0.315	7.7	7.8	8.125	8.33
00400	CONVERTED PH (STANDARD UNITS)	07/09/75-09/15/82	26	8.	7.924	9.1	7.3	0.109	0.33	7.7	7.8	8.125	8.33
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/75-09/15/82	26	0.01	0.012	0.05	0.001	0.	0.009	0.005	0.008	0.016	0.02
00500	RESIDUE, TOTAL (MG/L)	07/09/75-09/11/79	26	546.	578.923	1160.	337.	34353.354	185.347	412.8	466.25	605.5	891.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/75-09/11/79	26	45.5	60.692	215.	9.	1991.262	44.624	20.	34.75	80.25	136.5
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	07/09/75-09/11/79	25	1.	0.84	4.	0.	1.39	1.179	0.	0.	1.	3.4
00600	NITROGEN, TOTAL (MG/L AS N)	07/09/75-09/11/79	26	3.95	4.2	10.	1.6	4.572	2.138	2.01	2.45	5.225	7.6
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/09/75-09/11/79	26	1.1	1.418	5.1	0.58	1.19	1.091	0.681	0.885	1.425	3.35
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/75-09/11/79	26	0.345	0.787	3.5	0.06	0.934	0.966	0.192	0.268	0.783	2.87
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/75-09/11/79	26	1.5	2.202	8.6	0.87	3.744	1.935	0.964	1.175	2.725	4.75
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/75-09/11/79	26	1.75	2.011	4.3	0.7	1.09	1.044	0.853	1.2	2.925	3.73
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/75-09/11/79	26	0.615	0.719	1.7	0.17	0.176	0.419	0.278	0.378	0.88	1.43
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/09/75-09/11/79	25	9.8	9.464	20.	4.6	12.062	3.473	5.22	6.95	11.5	13.8
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/75-09/11/79	26 ##	0.	0.423	5.	0.	1.134	1.065	0.	0.	0.25	1.3
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/75-09/11/79	26 ##	10.	31.923	330.	10.	4080.154	63.876	10.	10.	20.	73.
01042	COPPER, TOTAL (UG/L AS CU)	07/09/75-09/11/79	26	13.	14.692	40.	3.	60.862	7.801	6.1	9.	19.25	24.9
01045	IRON, TOTAL (UG/L AS FE)	07/09/75-09/11/79	26	1400.	1953.115	8800.	1.	4047369.946	2011.808	394.	670.	2350.	5860.
01051	LEAD, TOTAL (UG/L AS PB)	07/09/75-09/11/79	26	9.5	16.	75.	0.	328.64	18.128	2.1	5.75	19.25	45.4
01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/75-09/11/79	26	110.	147.5	330.	5.	7474.5	86.455	61.	90.	222.5	292.
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/75-09/11/79	26	13.5	15.346	41.	4.	63.115	7.945	7.	11.	17.25	25.9

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Annual Analysis for 1977 - Station CUVA0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/75-09/11/79	26	45.	49.615	120.	10.	635.846	25.216	20.	30.	60.	86.
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/75-09/11/79	26	1.	8.038	110.	0.	483.638	21.992	0.	0.	7.5	21.2
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/75-09/11/79	26	493.	518.231	1080.	256.	39705.625	199.263	290.1	385.5	570.	879.1
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/09/75-09/11/79	24	128.5	151.754	363.	39.2	11085.298	105.287	46.4	58.9	226.25	348.5
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/09/75-09/11/79	26	0.67	0.705	1.47	0.35	0.073	0.27	0.397	0.525	0.775	1.195
71887	NITROGEN, TOTAL, AS NO3 - MG/L	07/09/75-09/11/79	26	17.5	18.627	46.	7.	94.259	9.709	8.91	10.75	23.	33.9

** - 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 1978 - Station CUVA0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/75-09/15/82	27	10.5	11.5	25.5	0.	84.75	9.206	0.4	1.	22.	23.9
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/09/75-09/11/79	27	14.	13.	33.	-7.	131.962	11.487	1.4	-5.	24.	28.
00060	FLOW, STREAM, MEAN DAILY CFS	07/09/75-09/11/79	26	59.	119.923	790.	20.	33729.994	183.657	25.4	38.5	83.5	477.
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/09/75-09/15/82	27	58.	117.148	790.	20.	32640.593	180.667	25.6	39.	81.	468.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/09/75-03/20/79	27	10.	15.519	60.	2.	225.875	15.029	2.8	5.	20.	42.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/09/75-09/11/79	26	24.5	25.846	60.	3.	240.215	15.499	6.8	12.	36.5	48.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/09/75-09/15/82	27	900.	982.778	1830.	460.	94639.103	307.635	679.	785.	1150.	1468.
00300	OXYGEN, DISSOLVED MG/L	07/09/75-09/15/82	27	12.	11.656	15.4	8.	3.439	1.854	8.74	10.6	12.8	14.04
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/09/75-09/15/82	27	100.	105.852	150.	77.	563.285	23.734	77.8	89.	120.	150.
00335	COD, .025N K2CR2O7 MG/L	07/09/75-11/28/78	24	33.	39.5	180.	14.	1026.957	32.046	19.5	29.	36.5	60.
00400	PH (STANDARD UNITS)	07/09/75-09/15/82	27	8.	8.074	8.7	7.5	0.107	0.328	7.66	7.9	8.2	8.7
00400	CONVERTED PH (STANDARD UNITS)	07/09/75-09/15/82	27	8.	7.969	8.7	7.5	0.119	0.345	7.66	7.9	8.2	8.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/75-09/15/82	27	0.01	0.011	0.032	0.002	0.	0.008	0.002	0.006	0.013	0.022
00500	RESIDUE, TOTAL (MG/L)	07/09/75-09/11/79	27	600.	640.185	1070.	406.	28660.695	169.295	459.2	515.	738.	941.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/75-09/11/79	27	51.	60.778	192.	25.	1110.103	33.318	32.8	41.	75.	87.2
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	07/09/75-09/11/79	26	0.	0.885	4.	0.	1.546	1.243	0.	0.	1.25	3.3
00600	NITROGEN, TOTAL (MG/L AS N)	07/09/75-09/11/79	27	4.2	4.893	24.	1.9	17.395	4.171	2.	2.9	5.4	7.94
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/09/75-09/11/79	27	1.1	1.842	20.	0.	13.55	3.681	0.54	0.92	1.4	2.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/75-09/11/79	27	0.31	0.77	3.3	0.05	0.895	0.946	0.076	0.18	1.1	2.66
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/75-09/11/79	27	1.4	2.612	20.	0.05	14.052	3.749	1.074	1.2	2.7	5.14
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/75-09/11/79	27	2.	2.288	6.5	0.66	2.027	1.424	0.734	1.2	3.7	4.22
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/75-09/11/79	27	0.98	0.923	1.6	0.2	0.139	0.372	0.382	0.66	1.2	1.42
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/09/75-09/11/79	27	8.6	9.263	16.	3.8	10.513	3.242	5.56	6.6	12.	14.4
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/75-09/11/79	27 ##	1.	1.037	5.	0.	1.499	1.224	0.	0.	1.	2.4
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/75-09/11/79	27 ##	10.	25.556	220.	10.	1679.487	40.982	10.	10.	20.	52.
01042	COPPER, TOTAL (UG/L AS CU)	07/09/75-09/11/79	27	13.	15.815	54.	5.	98.311	9.915	6.	9.	21.	24.8
01045	IRON, TOTAL (UG/L AS FE)	07/09/75-09/11/79	26	705.	1291.154	5200.	230.	1745042.615	1321.001	317.	457.5	1600.	3860.
01051	LEAD, TOTAL (UG/L AS PB)	07/09/75-09/11/79	27	11.	24.556	170.	1.	1409.487	37.543	3.6	5.	21.	87.6
01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/75-09/11/79	27	110.	122.963	300.	20.	5537.037	74.411	38.	60.	180.	238.
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/75-09/11/79	27	20.	19.556	28.	8.	27.026	5.199	11.8	15.	23.	27.
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/75-09/11/79	27	50.	57.037	160.	20.	1075.499	32.795	28.	40.	60.	94.
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/75-09/11/79	27	2.	14.481	180.	0.	1385.798	37.226	0.	1.	8.	51.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/75-09/11/79	27	545.	579.407	993.	264.	31328.174	176.998	368.4	473.	668.	878.6
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/09/75-09/11/79	27	88.3	143.73	563.	30.8	21586.73	146.924	35.92	59.8	148.	448.2
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/09/75-09/11/79	27	0.74	0.788	1.35	0.36	0.058	0.241	0.502	0.64	0.91	1.194
71887	NITROGEN, TOTAL, AS NO3 - MG/L	07/09/75-09/11/79	27	19.	21.874	110.	8.5	365.06	19.107	8.92	13.	24.	35.2

** - 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 1979 - Station CUVA0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/75-09/15/82	19	14.5	13.579	25.	0.	83.202	9.121	0.5	6.	22.	25.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/09/75-09/11/79	19	19.	14.132	28.	-12.	165.857	12.879	6.	-6.	26.5	28.
00060	FLOW, STREAM, MEAN DAILY CFS	07/09/75-09/11/79	18	55.5	125.667	550.	31.	24769.647	157.384	34.6	43.25	107.25	523.
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/09/75-09/15/82	18	55.5	125.667	550.	31.	24769.647	157.384	34.6	43.25	107.25	523.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/09/75-03/20/79	6	15.	17.5	35.	10.	77.5	8.803	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/09/75-09/11/79	17	30.	31.471	60.	11.	182.89	13.524	11.8	21.5	42.	52.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/09/75-09/15/82	19	800.	942.632	3170.	500.	361326.023	601.104	545.	635.	980.	1620.
00300	OXYGEN, DISSOLVED MG/L	07/09/75-09/15/82	19	10.4	10.311	13.2	7.1	4.377	2.092	7.7	8.	12.4	13.2
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/09/75-09/15/82	19	93.	95.316	130.	82.	142.006	11.917	84.	88.	99.	120.
00400	PH (STANDARD UNITS)	07/09/75-09/15/82	19	7.9	7.905	8.7	7.4	0.065	0.255	7.7	7.8	8.	8.1
00400	CONVERTED PH (STANDARD UNITS)	07/09/75-09/15/82	19	7.9	7.845	8.7	7.4	0.069	0.262	7.7	7.8	8.	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/75-09/15/82	19	0.013	0.014	0.04	0.002	0.	0.008	0.008	0.01	0.016	0.02
00500	RESIDUE, TOTAL (MG/L)	07/09/75-09/11/79	19	573.	642.053	1830.	407.	103969.83	322.444	414.	494.	685.	1020.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/75-09/11/79	19	52.	57.211	105.	13.	490.287	22.142	37.	45.	77.	93.
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	07/09/75-09/11/79	19	1.	2.684	41.	0.	86.45	9.298	0.	0.	1.	2.
00600	NITROGEN, TOTAL (MG/L AS N)	07/09/75-09/11/79	19	4.1	3.959	6.6	0.73	2.951	1.718	1.4	2.4	5.2	6.2
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/09/75-09/11/79	19	1.2	1.345	3.5	0.	0.536	0.732	0.52	0.98	1.7	2.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/09/75-09/11/79	19	0.32	0.827	4.5	0.005	1.234	1.111	0.01	0.18	1.3	2.2
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/09/75-09/11/79	19	1.8	2.172	4.5	0.53	1.322	1.15	0.94	1.3	3.2	4.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/75-09/11/79	19	1.6	1.784	4.6	0.2	1.551	1.245	0.35	0.87	2.7	4.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/75-09/11/79	19	0.85	0.834	1.7	0.18	0.178	0.422	0.26	0.43	1.1	1.5
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/09/75-09/11/79	19	11.	16.537	99.	6.5	450.576	21.227	6.9	8.9	12.	40.
01027	CADMIUM, TOTAL (UG/L AS CD)	07/09/75-09/11/79	19 ##	1.	1.632	7.	0.	3.135	1.77	0.	1.	2.	4.
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/09/75-09/11/79	19	20.	24.737	110.	10.	515.205	22.698	10.	10.	30.	40.
01042	COPPER, TOTAL (UG/L AS CU)	07/09/75-09/11/79	19	12.	17.	46.	3.	137.667	11.733	8.	10.	24.	41.
01045	IRON, TOTAL (UG/L AS FE)	07/09/75-09/11/79	19	970.	1240.526	3700.	420.	767505.263	876.074	470.	650.	1600.	2700.
01051	LEAD, TOTAL (UG/L AS PB)	07/09/75-09/11/79	19	13.	24.316	98.	2.	772.895	27.801	3.	8.	27.	87.
01055	MANGANESE, TOTAL (UG/L AS MN)	07/09/75-09/11/79	19	130.	143.684	310.	50.	3880.117	62.291	80.	100.	170.	220.
01067	NICKEL, TOTAL (UG/L AS NI)	07/09/75-09/11/79	19	20.	22.	39.	10.	75.444	8.686	12.	14.	31.	35.
01092	ZINC, TOTAL (UG/L AS ZN)	07/09/75-09/11/79	18	50.	57.778	130.	20.	900.654	30.011	29.	30.	82.5	103.
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/09/75-09/11/79	19	1.	3.211	20.	0.	26.175	5.116	0.	0.	4.	13.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/09/75-09/11/79	19	516.	584.789	1780.	325.	107070.398	327.216	327.	404.	618.	977.
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/09/75-09/11/79	18	94.95	143.489	486.	45.1	17528.999	132.397	48.43	59.625	181.	459.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/09/75-09/11/79	19	0.7	0.795	2.42	0.44	0.198	0.445	0.44	0.55	0.84	1.33
71887	NITROGEN, TOTAL, AS NO3 - MG/L	07/09/75-09/11/79	19	18.	17.489	29.	3.2	57.352	7.573	6.	10.	23.	27.

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

Annual Analysis for 1982 - Station CUVA0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/75-09/15/82	5	21.3	21.84	23.6	20.5	2.018	1.421	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/09/75-09/15/82	2	68.5	68.5	114.	23.	4140.5	64.347	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/09/75-09/15/82	5	780.	721.8	797.	492.	16786.2	129.562	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/09/75-09/15/82	5	9.	9.82	15.6	5.8	14.032	3.746	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/09/75-09/15/82	5	99.	111.4	179.	64.	1960.3	44.275	**	**	**	**
00400	PH (STANDARD UNITS)	07/09/75-09/15/82	5	8.3	8.36	9.2	7.9	0.263	0.513	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/09/75-09/15/82	5	8.3	8.191	9.2	7.9	0.299	0.547	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/75-09/15/82	5	0.005	0.006	0.013	0.001	0.	0.005	**	**	**	**

** - Less than 9 observations ## - Computed 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: 7/01 to 10/31 - Station CUVA0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/75-09/15/82	46	22.	20.58	27.	9.5	20.994	4.582	12.7	18.	24.	25.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/09/75-09/15/82	43	42.	87.628	877.	20.	22768.239	150.891	24.8	32.	65.	146.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/09/75-09/15/82	46	767.5	729.761	980.	230.	23832.853	154.379	485.4	660.	830.	904.5
00300	OXYGEN, DISSOLVED MG/L	07/09/75-09/15/82	46	8.55	9.424	15.6	5.6	5.165	2.273	7.17	7.775	11.1	12.92
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/09/75-09/15/82	46	95.	103.717	179.	64.	617.585	24.851	79.9	89.	112.5	150.
00400	PH (STANDARD UNITS)	07/09/75-09/15/82	46	8.	8.039	9.2	6.9	0.17	0.413	7.57	7.8	8.225	8.56
00400	CONVERTED PH (STANDARD UNITS)	07/09/75-09/15/82	46	8.	7.842	9.2	6.9	0.21	0.459	7.57	7.8	8.225	8.56
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/75-09/15/82	46	0.01	0.014	0.126	0.001	0.	0.02	0.003	0.006	0.016	0.027

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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/75-09/15/82	37	1.	2.905	16.	0.	14.428	3.798	0.	0.5	4.75	9.3
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/09/75-09/15/82	31	91.	123.194	550.	37.	12785.828	113.074	50.4	58.	142.	202.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/09/75-09/15/82	37	1130.	1120.135	3170.	350.	290535.398	539.013	528.	655.	1375.	1834.
00300	OXYGEN, DISSOLVED MG/L	07/09/75-09/15/82	37	12.	11.962	15.	8.7	1.446	1.203	10.12	11.4	12.55	13.2
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/09/75-09/15/82	37	87.	88.405	140.	76.	116.248	10.782	77.8	82.5	92.5	96.6
00400	PH (STANDARD UNITS)	07/09/75-09/15/82	37	7.9	7.832	8.2	7.3	0.062	0.25	7.48	7.6	8.05	8.12
00400	CONVERTED PH (STANDARD UNITS)	07/09/75-09/15/82	37	7.9	7.76	8.2	7.3	0.068	0.26	7.48	7.6	8.05	8.12
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/75-09/15/82	37	0.013	0.017	0.05	0.006	0.	0.011	0.008	0.009	0.025	0.033

** - 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 box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/09/75-09/15/82	32	14.75	14.547	23.5	3.	30.554	5.528	7.15	10.5	19.375	22.35
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/09/75-09/15/82	32	75.5	156.813	790.	31.	33816.286	183.892	33.3	42.5	216.	499.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/09/75-09/15/82	32	770.	731.406	980.	460.	16974.572	130.286	576.	615.	810.	897.
00300	OXYGEN, DISSOLVED MG/L	07/09/75-09/15/82	32	10.5	10.753	15.4	7.7	3.126	1.768	8.6	9.8	11.8	13.62
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/09/75-09/15/82	32	99.	104.094	140.	83.	264.991	16.279	87.3	91.5	110.	137.
00400	PH (STANDARD UNITS)	07/09/75-09/15/82	32	8.	8.066	9.1	7.4	0.135	0.367	7.7	7.8	8.2	8.64
00400	CONVERTED PH (STANDARD UNITS)	07/09/75-09/15/82	32	8.	7.938	9.1	7.4	0.152	0.389	7.7	7.8	8.2	8.64
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/75-09/15/82	32	0.01	0.012	0.04	0.001	0.	0.009	0.002	0.006	0.016	0.02

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

Station Inventory for Station: CUVA0168

NPS Station ID: CUVA0168 LAT/LON: 41.371393/ -81.531670 Agency: 21OHIO Date Created: 11/08/86
Location: SE BR. DEER LICK RUN JUST UPST BEDFORD ANODIZING FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01A09
RMI-Indexes: 0603002 000230 00120 0060 Within Park Boundary: No
RMI-Miles: 0016.36 0003.72 000.94 000.70
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002061301.09 RF3 Mile Point: 1.08 Distance from RF3: 0.18 On/Off RF3:
Description:
PURPOSE - SPECIAL SHORT-TERM MONITORING. LOCATION - CUYAHOGA CO.; LOCATED JUST UPSTREAM FROM THE BEDFORD ANODIZING 001 OUTFALL. COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST DISTRICT OFFICE, (216) 425-9171. SAMPLES ANALYZED BY THE OHIO EPA

Parameter Inventory for Station: CUVA0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/03/82-01/11/83	1	850.	850.	850.	850.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/11/83-01/11/83	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/03/82-01/11/83	1	5385.	5385.	5385.	5385.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/11/83-01/11/83	1	630.	630.	630.	630.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/03/82-01/11/83	1	20700.	20700.	20700.	20700.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/11/83-01/11/83	1	53.	53.	53.	53.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	01/11/83-01/11/83	1	780.	780.	780.	780.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/11/83-01/11/83	1	195.	195.	195.	195.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/03/82-01/11/83	1	640.	640.	640.	640.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0168

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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	1	1.00				1	1	1.00						
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.	1	1	1.00				1	1	1.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	1	1.00				1	1	1.00						
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						

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

Station Inventory for Station: CUVA0169

NPS Station ID: CUVA0169 LAT/LON: 41.371670/ -81.531949 Agency: 21OHIO Date Created: 11/08/86
Location: SE BR. DEER LICK RUN JUST DST BEDFORD ANODIZING FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01A08
RMI-Indexes: 0603002 000230 00120 0060 Within Park Boundary: No
RMI-Miles: 0016.36 0003.72 000.94 000.69
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002061300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.05 On/Off RF3:
Description:
PURPOSE - SPECIAL SHORT-TERM MONITORING. LOCATION - CUYAHOGA CO.; LOCATED JUST DOWNSTREAM FROM THE BEDFORD ANODIZING 001 OUTFALL. COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST DISTRICT OFFICE, (216) 425-9171. SAMPLES ANALYZED BY THE OHIO EPA

Parameter Inventory for Station: CUVA0169

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/11/83-01/11/83	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/11/83-01/11/83	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	01/11/83-01/11/83	1	148.	148.	148.	148.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	01/11/83-01/11/83	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/11/83-01/11/83	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/11/83-01/11/83	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/11/83-01/11/83	1	520.	520.	520.	520.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/11/83-01/11/83	1	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/11/83-01/11/83	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/11/83-01/11/83	1	1.72	1.72	1.72	1.72	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/11/83-01/11/83	1	33.8	33.8	33.8	33.8	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/11/83-01/11/83	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/11/83-01/11/83	1	240.	240.	240.	240.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	01/11/83-01/11/83	1	4990.	4990.	4990.	4990.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/11/83-01/11/83	1	23.	23.	23.	23.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	01/11/83-01/11/83	1	400.	400.	400.	400.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/11/83-01/11/83	1	200.	200.	200.	200.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/11/83-01/11/83	1	400.	400.	400.	400.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0169

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00				1	0	0.00						
00400	PH	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						

& - 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: CUVA0169

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00				1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	1	1.00				1	1	1.00						
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.	1	1	1.00				1	1	1.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	1	1.00				1	1	1.00						
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						

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

Station Inventory for Station: CUVA0170

NPS Station ID: CUVA0170 LAT/LON: 41.371670/ -81.549448 Agency: 21OHIO Date Created: 11/08/86
Location: S. BR. DEER LICK RUN NR WALTON HILLS - PARK DR. FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01A06
RMI-Indexes: 0603002 000230 00120 0030 Within Park Boundary: Yes
RMI-Miles: 0016.36 0003.72 000.44 000.28
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002032703.85 RF3 Mile Point: 6.48 Distance from RF3: 0.87 On/Off RF3:
Description:
PURPOSE - SPECIAL SHORT-TERM MONITORING. LOCATION - CUYAHOGA CO.; LOCATED AT THE METROPARK DRIVE BRIDGE, ON THE SOUTH EDGE OF BEDFORD RESERVATION; 0.7 MILES WEST OF AN INDUSTRIAL PARK. COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST DISTRICT OFFICE, (216) 425-9171. SAMPLES ANALYZED BY THE OHIO EPA

Parameter Inventory for Station: CUVA0170

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/85-03/28/85	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/28/85-03/28/85	1	995.	995.	995.	995.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/85-03/28/85	1	1190.	1190.	1190.	1190.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/28/85-03/28/85	1	10.2	10.2	10.2	10.2	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	03/28/85-03/28/85	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	03/28/85-03/28/85	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/28/85-03/28/85	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/28/85-03/28/85	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/28/85-03/28/85	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/28/85-03/28/85	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/28/85-03/28/85	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/28/85-03/28/85	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/28/85-03/28/85	1	0.42	0.42	0.42	0.42	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/28/85-03/28/85	1	0.105	0.105	0.105	0.105	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	03/28/85-03/28/85	1	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/02/84-03/28/85	2	272.5	272.5	279.	266.	84.5	9.192	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	10/02/84-03/28/85	2	77.9	77.9	80.	75.8	8.82	2.97	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/02/84-03/28/85	2	19.	19.	19.3	18.7	0.18	0.424	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	03/28/85-03/28/85	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/28/85-03/28/85	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/02/84-03/28/85	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/28/85-03/28/85	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/28/85-03/28/85	1	1470.	1470.	1470.	1470.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/28/85-03/28/85	1	29.	29.	29.	29.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/28/85-03/28/85	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/28/85-03/28/85	1	115.	115.	115.	115.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/28/85-03/28/85	1	960.	960.	960.	960.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	03/28/85-03/28/85	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/28/85-03/28/85	1	766.	766.	766.	766.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0170

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00							1	0	0.00			
00400	PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
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	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	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.	1	1	1.00							1	1	1.00			
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			

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

Station Inventory for Station: CUVA0171

NPS Station ID: CUVA0171 LAT/LON: 41.373615/ -81.529448 Agency: 21OHIO Date Created: 01/04/86
Location: E BR DEERLICK CREEK UPST HUKILL CO. OUTFALL FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S64
RMI-Indexes: 0603002 000230 00120 0050 Within Park Boundary: No
RMI-Miles: 0016.36 0003.72 000.93 000.81
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002061301.09 RF3 Mile Point: 1.08 Distance from RF3: 0.00 On/Off RF3:
Description:
PURPOSE - SHORT-TERM SURVEY TO DETERMINE THE WATER QUALITY OF THE STREAM WHICH THE HUKILL CO. DISCHARGES TO.
LOCATION - CUYAHOGA CO.; LOCATED JUST UPSTREAM FROM THE HUKILL CO. 001 OUTFALL; SOUTH OF BEDFORD.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/85-03/28/85	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/28/85-03/28/85	1	710.	710.	710.	710.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/85-03/28/85	1	763.	763.	763.	763.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/28/85-03/28/85	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	03/28/85-04/16/86	2	51.5	51.5	63.	40.	264.5	16.263	**	**	**	**
00400	PH (STANDARD UNITS)	03/28/85-03/28/85	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/28/85-03/28/85	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/28/85-03/28/85	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/28/85-03/28/85	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/28/85-03/28/85	1	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/28/85-03/28/85	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/28/85-03/28/85	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/28/85-03/28/85	1	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/28/85-03/28/85	1	0.106	0.106	0.106	0.106	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	03/28/85-03/28/85	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/28/85-03/28/85	1	252.	252.	252.	252.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/28/85-03/28/85	1	68.8	68.8	68.8	68.8	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/28/85-03/28/85	1	19.5	19.5	19.5	19.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	03/28/85-03/28/85	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/28/85-03/28/85	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/28/85-03/28/85	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/28/85-03/28/85	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/28/85-03/28/85	1	2130.	2130.	2130.	2130.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/28/85-03/28/85	1	99.	99.	99.	99.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/28/85-03/28/85	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/28/85-03/28/85	1	645.	645.	645.	645.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/28/85-03/28/85	1	1470.	1470.	1470.	1470.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	03/28/85-03/28/85	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/28/85-03/28/85	1	514.	514.	514.	514.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0171

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00							1	0	0.00			
00400	PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
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	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	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	1	1.00							1	1	1.00			
		Drinking Water	15.	1	1	1.00							1	1	1.00			
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	1	1.00							1	1	1.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: CUVA0172

NPS Station ID: CUVA0172 LAT/LON: 41.373615/ -81.579726 Agency: 21OHIO Date Created: 03/29/80
Location: TINKERS CREEK NEAR WALTON HILLS - DUNHAM RD. FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01P37
RMI-Indexes: 0603002 000230 Within Park Boundary: Yes
RMI-Miles: 0016.36 0002.18
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 18.220 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002035300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.01 On/Off RF3:
Description:
PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS LOCATION-CUYAHOGA COUNTY; TINKERS CREEK AT DUNHAM ROAD NEAR WALTON HILLS
RMI=1187.93/16.36/2.18 COLLECTION-OHIO EPA NORTHEAST DIST OFFICE
WATER USE DESIGNATION AS OF 01/28/80-WWH

Parameter Inventory for Station: CUVA0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/14/78-08/29/91	9	18.5	17.056	24.5	0.5	56.403	7.51	0.5	13.25	22.	24.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/14/78-08/29/91	9	660.	650.111	808.	390.	21745.111	147.462	390.	545.	803.	808.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/84-09/26/85	5	680.	706.6	872.	634.	8972.8	94.725	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/14/78-08/29/91	9	9.5	9.7	13.2	8.2	2.29	1.513	8.2	8.45	10.15	13.2
00335	COD, .025N K2CR2O7 MG/L	12/14/78-08/29/91	6	20.	20.5	26.	17.	10.7	3.271	**	**	**	**
00400	PH (STANDARD UNITS)	12/14/78-08/29/91	9	8.1	8.18	8.8	7.8	0.075	0.274	7.8	8.05	8.26	8.8
00400	CONVERTED PH (STANDARD UNITS)	12/14/78-08/29/91	9	8.1	8.117	8.8	7.8	0.079	0.282	7.8	8.05	8.26	8.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/14/78-08/29/91	9	0.008	0.008	0.016	0.002	0.	0.004	0.002	0.006	0.009	0.016
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/14/78-12/14/78	1	463.	463.	463.	463.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/14/78-08/29/91	11	12.	21.091	90.	2.5	620.041	24.901	2.5	6.	30.	78.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/14/78-08/29/91	10	0.11	0.223	1.13	0.025	0.111	0.333	0.025	0.025	0.25	1.045
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/08/84-08/29/91	9	0.06	0.083	0.2	0.04	0.003	0.053	0.04	0.05	0.12	0.2
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/14/78-08/29/91	10	1.1	1.18	2.1	0.8	0.142	0.377	0.8	0.875	1.3	2.02
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/26/84-08/29/91	9	6.44	6.017	9.22	2.95	6.462	2.542	2.95	3.255	8.4	9.22
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/14/78-08/29/91	10	0.42	0.434	0.99	0.08	0.079	0.28	0.09	0.21	0.625	0.964
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	12/14/78-12/14/78	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/14/78-08/29/91	11	226.	210.545	244.	153.	816.673	28.577	156.8	188.	230.	241.2
00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/84-08/29/91	10	62.5	57.78	66.3	38.6	82.757	9.097	39.5	50.9	64.	66.07
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/84-08/29/91	10	16.	15.62	19.1	12.9	3.464	1.861	12.99	13.95	17.	18.89
00929	SODIUM, TOTAL (MG/L AS NA)	09/26/85-09/26/85	1	75.9	75.9	75.9	75.9	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	09/26/85-09/26/85	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/14/78-08/29/91	7	117.	118.	140.	106.	127.333	11.284	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/14/78-12/14/78	1	0.53	0.53	0.53	0.53	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/26/85-09/26/85	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	09/26/85-09/26/85	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	12/14/78-08/29/91	7 ##	0.1	0.471	2.5	0.1	0.802	0.896	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	12/14/78-08/29/91	9 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042	COPPER, TOTAL (UG/L AS CU)	12/14/78-08/29/91	11	10.	14.364	50.	5.	174.455	13.208	5.	5.	20.	44.
01045	IRON, TOTAL (UG/L AS FE)	12/14/78-08/29/91	9	1010.	1257.778	4250.	240.	1534894.444	1238.909	240.	405.	1585.	4250.
01051	LEAD, TOTAL (UG/L AS PB)	12/14/78-08/29/91	11	3.	5.545	22.	1.	45.073	6.714	1.2	2.	6.	20.6
01055	MANGANESE, TOTAL (UG/L AS MN)	10/02/84-09/26/85	2	82.5	82.5	145.	20.	7812.5	88.388	**	**	**	**

** - Less than 9 observations ## - 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: CUVA0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01067	NICKEL, TOTAL (UG/L AS NI)	07/26/84-08/29/91	10 ##	20.	27.	70.	20.	267.778	16.364	20.	20.	25.	67.
01082	STRONTIUM, TOTAL (UG/L AS SR)	09/26/85-09/26/85	1	220.	220.	220.	220.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	12/14/78-08/29/91	11	25.	39.091	145.	20.	1324.091	36.388	20.	20.	40.	126.
01105	ALUMINUM, TOTAL (UG/L AS AL)	09/26/85-09/26/85	1	300.	300.	300.	300.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/84-08/13/91	4	345.	330.	520.	110.	29133.333	170.685	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/84-08/13/91	4	2.536	2.457	2.716	2.041	0.085	0.292	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			286.507								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	12/14/78-12/14/78	1	21.	21.	21.	21.	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	12/14/78-12/14/78	1	0.26	0.26	0.26	0.26	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/26/84-08/29/91	10	522.	505.2	698.	386.	9345.067	96.67	388.	409.	561.	685.8
71900	MERCURY, TOTAL (UG/L AS HG)	12/14/78-12/14/78	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0172

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	9	0	0.00	8	0	0.00	1	0	0.00						
00400	PH	Other-Hi Lim.	9.	9	0	0.00	8	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	9	0	0.00	8	0	0.00	1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	9	0	0.00	9	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	9	0	0.00	9	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00				1	0	0.00						
		Drinking Water	0.2	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	7	0	0.00	6	0	0.00	1	0	0.00						
		Drinking Water	250.	7	0	0.00	6	0	0.00	1	0	0.00						
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00				1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	7	0	0.00	6	0	0.00	1	0	0.00						
		Drinking Water	5.	7	0	0.00	6	0	0.00	1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	8	0	0.00	1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	11	3	0.27	10	3	0.30	1	0	0.00						
		Drinking Water	1300.	11	0	0.00	10	0	0.00	1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	11	0	0.00	10	0	0.00	1	0	0.00						
		Drinking Water	15.	11	2	0.18	10	1	0.10	1	1	1.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	10	0	0.00	10	0	0.00									
		Drinking Water	100.	10	0	0.00	10	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	11	1	0.09	10	1	0.10	1	0	0.00						
		Drinking Water	5000.	11	0	0.00	10	0	0.00	1	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	3	0.75	4	3	0.75									
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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/14/78-08/29/91	10	11.5	21.2	90.	2.5	688.789	26.245	2.5	5.125	30.5	84.2
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/14/78-08/29/91	10	222.	208.7	244.	153.	865.789	29.424	154.9	184.	230.	242.6
01042	COPPER, TOTAL (UG/L AS CU)	12/14/78-08/29/91	10	9.	14.3	50.	5.	193.789	13.921	5.	5.	20.	47.
01051	LEAD, TOTAL (UG/L AS PB)	12/14/78-08/29/91	10	2.5	4.6	22.	1.	39.156	6.257	1.1	2.	3.75	20.4
01092	ZINC, TOTAL (UG/L AS ZN)	12/14/78-08/29/91	10	25.	38.	145.	20.	1456.667	38.166	20.	20.	36.25	134.5

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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/14/78-08/29/91	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/14/78-08/29/91	1	229.	229.	229.	229.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	12/14/78-08/29/91	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	12/14/78-08/29/91	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	12/14/78-08/29/91	1	50.	50.	50.	50.	0.	0.	**	**	**	**

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

Station Inventory for Station: CUVA0173

NPS Station ID: CUVA0173 LAT/LON: 41.373892/ -81.579170 Agency: 112WRD Date Created: 03/21/92
Location: TINKERS C AT DUNHAM RD NR INDEPENDENCE OH FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 412226081344500
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002065200.00 RF3 Mile Point: 4.20 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/05/91-09/05/91	6	19.	18.917	19.5	18.5	0.142	0.376	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/05/91-09/03/93	11	62.	132.273	260.	56.	7299.618	85.438	56.	61.	210.	255.
00065	STAGE, STREAM (FEET)	09/05/91-09/03/93	11	4.26	4.549	5.06	4.2	0.137	0.371	4.2	4.24	4.89	5.042
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/05/91-09/05/91	6	625.	632.5	705.	575.	3147.5	56.103	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/05/91-09/03/93	11	77.	133.727	260.	61.	5791.218	76.1	62.8	73.	214.	252.6
00940	CHLORIDE,TOTAL IN WATER MG/L	09/05/91-09/03/93	11	85.	93.091	127.	68.	458.491	21.412	68.6	73.	116.	126.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/05/91-09/03/93	11	7700.	20954.545	73000.	2800.	507798727.273	22534.39	3140.	4700.	37000.	67400.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/05/91-09/03/93	11	3.886	4.092	4.863	3.447	0.222	0.471	3.488	3.672	4.568	4.821
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12362.627								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/13/92-07/14/92	4	0.	0.	0.	0.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	07/13/92-07/14/92	4	0.	0.	0.	0.	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			1.								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	09/05/91-09/03/93	8	8250.	15662.5	47000.	2700.	266519821.429	16325.435	**	**	**	**
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	09/05/91-09/03/93	8	3.866	3.955	4.672	3.431	0.254	0.504	**	**	**	**
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			9023.986								

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

EPA Water Quality Criteria Analysis for Station: CUVA0173

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	11	0	0.00	11	0	0.00									
		Drinking Water	250.	11	0	0.00	11	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	11	11	1.00	11	11	1.00									
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	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: CUVA0174

NPS Station ID: CUVA0174
LAT/LON: 41.374448/ -81.530837
Agency: 21OHIO
Date Created: 01/04/86
Location: E BR DEERLICK RUN JUST DST HUKILL CO.
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): F01S62
RMI-Indexes: 0603002 000230 00120 0050
Within Park Boundary: No
RMI-Miles: 0016.36 0003.72 000.93 000.79
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 04110002061300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:
PURPOSE - SHORT-TERM SURVEY TO DETERMINE THE WATER QUALITY OF THE STREAM WHICH THE HUKILL CO. DISCHARGES TO.
LOCATION - CUYAHOGA CO.; LOCATED JUST DOWNSTREAM FROM THE HUKILL CO. 001 OUTFALL; UPSTREAM FROM THE S.K. WELLMAN CO. LAKE; SOUTH OF BEDFORD.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0174

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/85-04/14/88	2	9.6	9.6	11.	8.2	3.92	1.98	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/28/85-03/28/85	1	600.	600.	600.	600.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/85-04/14/88	2	686.	686.	721.	651.	2450.	49.497	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/28/85-04/14/88	2	10.	10.	10.6	9.4	0.72	0.849	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	04/14/88-04/14/88	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	03/28/85-04/14/88	2 ##	46.5	46.5	83.	10.	2664.5	51.619	**	**	**	**
00400	PH (STANDARD UNITS)	03/28/85-04/14/88	2	7.5	7.5	7.7	7.3	0.08	0.283	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/28/85-04/14/88	2	7.455	7.455	7.7	7.3	0.084	0.29	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/28/85-04/14/88	2	0.035	0.035	0.05	0.02	0.	0.021	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/28/85-04/14/88	2 ##	40.25	40.25	78.	2.5	2850.125	53.387	**	**	**	**
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	04/14/88-04/14/88	1	1.78	1.78	1.78	1.78	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/28/85-04/14/88	2	0.375	0.375	0.56	0.19	0.068	0.262	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/28/85-04/14/88	2 ##	0.05	0.05	0.09	0.01	0.003	0.057	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/28/85-04/14/88	2	0.6	0.6	0.9	0.3	0.18	0.424	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/28/85-04/14/88	2	1.145	1.145	1.46	0.83	0.198	0.445	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/28/85-04/14/88	2	0.165	0.165	0.25	0.08	0.014	0.12	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	03/28/85-03/28/85	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/28/85-04/14/88	2	220.5	220.5	240.	201.	760.5	27.577	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/28/85-04/14/88	2	61.75	61.75	68.	55.5	78.125	8.839	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/28/85-04/14/88	2	16.05	16.05	17.	15.1	1.805	1.344	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	03/28/85-03/28/85	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/28/85-04/14/88	2	3.1	3.1	6.	0.2	16.82	4.101	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/14/88-04/14/88	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/14/88-04/14/88	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/28/85-04/14/88	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/28/85-04/14/88	2 ##	227.5	227.5	450.	5.	99012.5	314.663	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	04/14/88-04/14/88	1	1010.	1010.	1010.	1010.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/28/85-04/14/88	2	2320.	2320.	3780.	860.	4263200.	2064.752	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/28/85-04/14/88	2	138.	138.	270.	6.	34848.	186.676	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	04/14/88-04/14/88	1	1310.	1310.	1310.	1310.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/28/85-04/14/88	2 ##	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: CUVA0174

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/14/88-04/14/88	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/28/85-04/14/88	2	835.	835.	1620.	50.	1232450.	1110.158	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	04/14/88-04/14/88	1	3890.	3890.	3890.	3890.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/28/85-03/28/85	1	3300.	3300.	3300.	3300.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	04/14/88-04/14/88	1	13000.	13000.	13000.	13000.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	03/28/85-03/28/85	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/28/85-04/14/88	2	439.	439.	444.	434.	50.	7.071	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0174

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	2	0	0.00							2	0	0.00			
00400	PH	Other-Hi Lim.	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00							2	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00							2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00							2	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
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	2	1	0.50							2	1	0.50			
		Drinking Water	5.	2	1	0.50							2	1	0.50			
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00							2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	2	1	0.50							2	1	0.50			
		Drinking Water	1300.	2	0	0.00							2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	2	1	0.50							2	1	0.50			
		Drinking Water	15.	2	1	0.50							2	1	0.50			
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00							2	0	0.00			
		Drinking Water	100.	2	0	0.00							2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	2	1	0.50							2	1	0.50			
		Drinking Water	5000.	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: CUVA0175

NPS Station ID: CUVA0175 LAT/LON: 41.374448/ -81.541671 Agency: 21OHIO Date Created: 06/07/86
Location: SE BRANCH DEERLICK RUN AT WALTON RD. FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S80
RMI-Indexes: 0603002 000230 00120 0040 Within Park Boundary: No
RMI-Miles: 0016.36 0003.72 000.92 000.08
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002061200.00 RF3 Mile Point: 0.00 Distance from RF3: 0.02 On/Off RF3:
Description:
PURPOSE - FOLLOW-UP TO THE 1984 CUYAHOGA RIVER INTENSIVE SURVEY. THIS SITE CONTAINS SEDIMENT DATA.
LOCATION - CUYAHOGA CO.; LOCATED AT THE WALTON RD. BRIDGE, JUST SOUTH OF THE EGBERT RD. BRIDGE; SOUTH OF THE BEDFORD RESERVATION.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0175

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	08/15/85-08/15/85	1	860.	860.	860.	860.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/15/85-08/15/85	1	3200.	3200.	3200.	3200.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	08/15/85-08/15/85	1	306.	306.	306.	306.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	08/15/85-08/15/85	1	6340.	6340.	6340.	6340.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/15/85-08/15/85	1	21.5	21.5	21.5	21.5	0.	0.	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	08/15/85-08/15/85	1	267.	267.	267.	267.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/15/85-08/15/85	1	22.2	22.2	22.2	22.2	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/15/85-08/15/85	1	196.	196.	196.	196.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/15/85-08/15/85	1	54.	54.	54.	54.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/15/85-08/15/85	1	66.6	66.6	66.6	66.6	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/15/85-08/15/85	1	512.	512.	512.	512.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/15/85-08/15/85	1	71.	71.	71.	71.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/15/85-08/15/85	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/15/85-08/15/85	1	150.	150.	150.	150.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/15/85-08/15/85	1	34800.	34800.	34800.	34800.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/15/85-08/15/85	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/15/85-08/15/85	1	50800.	50800.	50800.	50800.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: CUVA0176

NPS Station ID: CUVA0176
LAT/LON: 41.374448/ -81.575559
Agency: 21OHIO
Date Created: 09/15/84
Location: TINKERS CREEK ADJ BUTTON RD. (RM 2.5)
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): F01S25
RMI-Indexes: 0603002 000230
Within Park Boundary: Yes
RMI-Miles: 0016.36 0002.50
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 18.220
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 04110002002100.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER AND ITS MAJOR TRIBUTARIES.
LOCATION - CUYAHOGA CO.; LOCATED ADJACENT TO BUTTON RD., UPSTREAM FROM DUNHAM RD., NEAR WALTON HILLS.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0176

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/84-10/02/84	4	19.75	17.875	22.	10.	30.729	5.543	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/84-10/02/84	4	610.	646.	824.	540.	16837.333	129.759	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/84-10/02/84	4	661.5	712.5	897.	630.	15357.667	123.926	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/26/84-10/02/84	4	8.95	9.05	10.1	8.2	0.897	0.947	**	**	**	**
00400	PH (STANDARD UNITS)	07/26/84-10/02/84	4	8.1	8.15	8.3	8.1	0.01	0.1	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/84-10/02/84	4	8.1	8.142	8.3	8.1	0.01	0.1	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/84-10/02/84	4	0.008	0.007	0.008	0.005	0.	0.001	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/26/84-10/02/84	4	0.225	0.189	0.28	0.025	0.013	0.114	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/26/84-10/02/84	4	0.135	0.118	0.17	0.03	0.004	0.062	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/26/84-10/02/84	4	1.15	1.125	1.4	0.8	0.062	0.25	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/26/84-10/02/84	4	2.92	3.048	3.7	2.65	0.238	0.488	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/84-10/02/84	4	0.48	0.483	0.58	0.39	0.007	0.084	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/84-10/02/84	4	190.5	196.75	257.	149.	2177.583	46.665	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/84-10/02/84	4	53.7	53.925	70.8	37.5	204.323	14.294	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/84-10/02/84	4	14.	15.15	19.6	13.	9.19	3.032	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/26/84-08/30/84	3 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/26/84-10/02/84	4	17.5	25.	50.	15.	283.333	16.833	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/26/84-10/02/84	4	1405.	1905.	4510.	300.	3419366.667	1849.153	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/26/84-10/02/84	4	4.5	8.5	23.	2.	95.	9.747	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/26/84-10/02/84	4 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/26/84-10/02/84	4	27.5	52.5	135.	20.	3041.667	55.151	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/84-10/16/84	2	300.	300.	370.	230.	9800.	98.995	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/84-10/16/84	2	2.465	2.465	2.568	2.362	0.021	0.146	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			291.719								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/26/84-10/02/84	4 ##	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: CUVA0176

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	4	0	0.00	4	0	0.00									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	0	0.00	4	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	3	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	4	2	0.50	4	2	0.50									
		Drinking Water	1300.	4	0	0.00	4	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	4	0	0.00									
		Drinking Water	15.	4	1	0.25	4	1	0.25									
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	4	0	0.00									
		Drinking Water	100.	4	0	0.00	4	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	4	1	0.25	4	1	0.25									
		Drinking Water	5000.	4	0	0.00	4	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	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: CUVA0177

NPS Station ID: CUVA0177 LAT/LON: 41.374726/ -81.542504 Agency: 21OHIO Date Created: 11/08/86
Location: SE BR. DEER LICK RUN NR WALTON HILLS - EGBERT RD FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01A07
RMI-Indexes: 0603002 000230 00120 0060 Within Park Boundary: Yes
RMI-Miles: 0016.36 0003.72 000.94 000.02
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002061200.45 RF3 Mile Point: 0.72 Distance from RF3: 0.02 On/Off RF3:
Description:
PURPOSE - SPECIAL SHORT-TERM MONITORING. LOCATION - CUYAHOGA CO.; LOCATED AT THE EGBERT RD. BRIDGE AT THE MOUTH, JUST NORTHEAST OF WALTON HILLS; 0.3 MILES WEST OF BEDFORD CITY LIMITS. COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST DISTRICT OFFICE, (216) 425-9171. SAMPLES ANALYZED BY THE OHIO EPA

Parameter Inventory for Station: CUVA0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/85-03/28/85	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/28/85-03/28/85	1	1320.	1320.	1320.	1320.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/85-03/28/85	1	1570.	1570.	1570.	1570.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/28/85-03/28/85	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	03/28/85-03/28/85	1	71.	71.	71.	71.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	03/28/85-03/28/85	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/28/85-03/28/85	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/28/85-03/28/85	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/28/85-03/28/85	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/28/85-03/28/85	1	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/28/85-03/28/85	1	0.26	0.26	0.26	0.26	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/28/85-03/28/85	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/28/85-03/28/85	1	45.5	45.5	45.5	45.5	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/28/85-03/28/85	1	0.33	0.33	0.33	0.33	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	03/28/85-03/28/85	1	0.112	0.112	0.112	0.112	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/28/85-03/28/85	1	364.	364.	364.	364.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/28/85-03/28/85	1	108.	108.	108.	108.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/28/85-03/28/85	1	22.8	22.8	22.8	22.8	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	03/28/85-03/28/85	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/28/85-03/28/85	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/28/85-03/28/85	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/28/85-03/28/85	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/28/85-03/28/85	1	2160.	2160.	2160.	2160.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/28/85-03/28/85	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/28/85-03/28/85	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/28/85-03/28/85	1	45.	45.	45.	45.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/28/85-03/28/85	1	1100.	1100.	1100.	1100.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	03/28/85-03/28/85	1	126.	126.	126.	126.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/28/85-03/28/85	1	1120.	1120.	1120.	1120.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0177

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00							1	0	0.00			
00400	PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	1	1.00							1	1	1.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	1	1.00							1	1	1.00			
		Drinking Water	0.2	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	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			

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

Station Inventory for Station: CUVA0178

NPS Station ID: CUVA0178 LAT/LON: 41.375559/ -81.540838 Agency: 21OHIO Date Created: 01/04/86
Location: E BR DEERLICK RUN DST HUKILL CO. - EGBERT RD. FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S60
RMI-Indexes: 0603002 000230 00120 0050 Within Park Boundary: No
RMI-Miles: 0016.36 0003.72 000.93 000.12
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002035305.19 RF3 Mile Point: 6.35 Distance from RF3: 0.05 On/Off RF3:
Description:
PURPOSE - SHORT-TERM SURVEY TO DETERMINE THE WATER QUALITY OF THE STREAM WHICH THE HUKILL CO. DISCHARGES TO.
LOCATION - CUYAHOGA CO.; LOCATED AT THE EGBERT RD. BRIDGE, DOWNSTREAM FROM THE HUKILL CO.; JUST SOUTH OF THE METROPARK GOLF COURSE.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0178

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/85-03/28/85	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/28/85-03/28/85	1	797.	797.	797.	797.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/85-03/28/85	1	911.	911.	911.	911.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/28/85-03/28/85	1	9.3	9.3	9.3	9.3	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	03/28/85-03/28/85	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	03/28/85-03/28/85	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/28/85-03/28/85	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/28/85-03/28/85	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/28/85-03/28/85	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/28/85-03/28/85	1	0.44	0.44	0.44	0.44	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/28/85-03/28/85	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/28/85-08/14/91	2 ##	0.5	0.5	0.9	0.1	0.32	0.566	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/28/85-03/28/85	1	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/28/85-03/28/85	1	0.098	0.098	0.098	0.098	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	03/28/85-03/28/85	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/28/85-03/28/85	1	260.	260.	260.	260.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/28/85-03/28/85	1	71.8	71.8	71.8	71.8	0.	0.	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	08/15/85-08/15/85	1	1310.	1310.	1310.	1310.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/15/85-08/15/85	1	2920.	2920.	2920.	2920.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/28/85-03/28/85	1	19.7	19.7	19.7	19.7	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	08/15/85-08/15/85	1 ##	74.5	74.5	74.5	74.5	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	08/15/85-08/15/85	1	1950.	1950.	1950.	1950.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/91-08/14/91	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	03/28/85-03/28/85	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/15/85-08/15/85	1	10.6	10.6	10.6	10.6	0.	0.	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	08/15/85-08/15/85	1	46.	46.	46.	46.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/28/85-03/28/85	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/15/85-08/15/85	1	1.05	1.05	1.05	1.05	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/15/85-08/15/85	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/28/85-03/28/85	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/28/85-03/28/85	1	130.	130.	130.	130.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: CUVA0178

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/15/85-08/15/85	1	148.	148.	148.	148.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/28/85-03/28/85	1	1870.	1870.	1870.	1870.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/28/85-03/28/85	1	43.	43.	43.	43.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/15/85-08/15/85	1	36.2	36.2	36.2	36.2	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/15/85-08/15/85	1	233.	233.	233.	233.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/28/85-03/28/85	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/15/85-08/15/85	1	51.	51.	51.	51.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/15/85-08/15/85	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/28/85-03/28/85	1	340.	340.	340.	340.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/15/85-08/15/85	1	419.	419.	419.	419.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/28/85-03/28/85	1	590.	590.	590.	590.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/15/85-08/15/85	1	12400.	12400.	12400.	12400.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/15/85-08/15/85	1	45000.	45000.	45000.	45000.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	03/28/85-03/28/85	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/28/85-03/28/85	1	604.	604.	604.	604.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0178

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00							1	0	0.00			
00400	PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	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	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	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.	1	1	1.00							1	1	1.00			
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	1	1.00							1	1	1.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: CUVA0179

NPS Station ID: CUVA0179 LAT/LON: 41.375837/ -81.497226 Agency: 21OHIO Date Created: 10/20/84
Location: TINKERS CRK UPST BEDFORD HTS WWTP - RICHMOND RD. FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S27
RMI-Indexes: 0603002 000230 Within Park Boundary: No
RMI-Miles: 0016.36 0008.75
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002002104.51 RF3 Mile Point: 4.70 Distance from RF3: 0.01 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER AND ITS MAJOR TRIBUTARIES.
LOCATION - CUYAHOGA CO.; LOCATED UPSTREAM FROM THE BEDFORD HEIGHTS WWTP AT THE RICHMOND RD. BRIDGE.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0179

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/84-09/26/85	5	18.	17.7	23.5	11.	21.7	4.658	**	**	**	**
00065	STAGE, STREAM (FEET)	09/26/85-09/26/85	1	3.07	3.07	3.07	3.07	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/84-09/26/85	5	635.	623.2	721.	550.	4943.7	70.311	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/84-07/31/91	7	710.	755.857	896.	605.	14352.476	119.802	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/26/84-09/26/85	5	7.2	7.54	8.8	5.8	1.548	1.244	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/30/91-07/31/91	2	5.35	5.35	6.1	4.6	1.125	1.061	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/26/84-07/31/91	7	25.	28.857	44.	15.	120.476	10.976	**	**	**	**
00400	PH (STANDARD UNITS)	07/26/84-09/26/85	5	7.7	7.72	7.9	7.5	0.022	0.148	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/84-09/26/85	5	7.7	7.699	7.9	7.5	0.023	0.15	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/84-09/26/85	5	0.02	0.02	0.032	0.013	0.	0.007	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/26/85-07/31/91	3	12.	21.667	46.	7.	450.333	21.221	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/26/84-07/31/91	7	0.15	0.209	0.4	0.1	0.014	0.12	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/26/84-07/31/91	7	0.07	0.114	0.34	0.02	0.012	0.11	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/26/84-07/31/91	7	1.2	1.157	1.6	0.8	0.066	0.257	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/26/84-07/31/91	7	3.25	3.723	7.5	1.61	5.53	2.352	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/84-09/26/85	5	0.39	0.39	0.54	0.3	0.009	0.094	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/84-07/31/91	8	209.5	209.875	264.	141.	1798.696	42.411	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/84-07/31/91	8	58.55	58.312	72.7	36.5	157.496	12.55	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/84-07/31/91	8	15.45	15.6	20.	12.	8.077	2.842	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/26/84-09/26/85	5	59.	65.1	87.	49.	269.05	16.403	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/26/84-09/26/85	5	5.	5.7	8.	4.	3.7	1.924	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/26/84-07/31/91	7	107.	103.	123.	73.	337.667	18.376	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/84-10/02/84	4	57.	59.75	75.	50.	124.917	11.177	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/26/85-07/31/91	3 ##	1.	2.	4.	1.	3.	1.732	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	09/26/85-09/26/85	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/26/84-07/31/91	8 ##	0.15	0.175	0.3	0.1	0.008	0.089	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/26/84-07/31/91	8 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/26/84-07/31/91	8	12.5	12.5	20.	5.	50.	7.071	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/26/84-07/31/91	7	1820.	1948.571	3500.	910.	852647.619	923.389	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/26/84-07/31/91	8	4.	5.75	16.	1.	22.5	4.743	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/26/85-07/31/91	3	135.	125.	140.	100.	475.	21.794	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: CUVA0179

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01067	NICKEL, TOTAL (UG/L AS NI)	07/26/84-07/31/91	8 ##	20.	30.625	80.	20.	474.554	21.784	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	09/26/85-09/26/85	1	210.	210.	210.	210.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/26/84-07/31/91	8	32.5	32.5	40.	25.	21.429	4.629	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/84-09/26/85	5	1290.	1264.	2080.	520.	380330.	616.709	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/30/91-07/31/91	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/84-10/16/84	2	755.	755.	1500.	10.	1110050.	1053.589	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/84-10/16/84	2	2.088	2.088	3.176	1.	2.368	1.539	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			122.474								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/26/84-10/02/84	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/26/85-07/31/91	3	556.	523.333	556.	458.	3201.333	56.58	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/26/84-08/08/84	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/30/91-07/31/91	2	4.35	4.35	5.	3.7	0.845	0.919	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/31/91-07/31/91	1	9.1	9.1	9.1	9.1	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: CUVA0179

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	7	0	0.00	7	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	7	0	0.00	7	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	7	0	0.00	7	0	0.00									
		Drinking Water	250.	7	0	0.00	7	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	4	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									
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8	0	0.00	8	0	0.00									
		Drinking Water	5.	8	0	0.00	8	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	8	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	8	3	0.38	8	3	0.38									
		Drinking Water	1300.	8	0	0.00	8	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	8	0	0.00									
		Drinking Water	15.	8	1	0.13	8	1	0.13									
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	8	0	0.00									
		Drinking Water	100.	8	0	0.00	8	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	8	0	0.00	8	0	0.00									
		Drinking Water	5000.	8	0	0.00	8	0	0.00									
01147	SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	1	0.50	2	1	0.50									
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: CUVA0180

NPS Station ID: CUVA0180 LAT/LON: 41.375837/ -81.536392 Agency: 21OHIO Date Created: 01/04/86
Location: E BR DEERLICK RUN DST HUKILL CO. - DST LAKE FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S61
RMI-Indexes: 0603002 000230 00120 0050 Within Park Boundary: No
RMI-Miles: 0016.36 0003.72 000.93 000.38
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002061300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.01 On/Off RF3:
Description:
PURPOSE - SHORT-TERM SURVEY TO DETERMINE THE WATER QUALITY OF THE STREAM WHICH THE HUKILL CO. DISCHARGES TO.
LOCATION - CUYAHOGA CO.; LOCATED JUST DOWNSTREAM FROM THE S.K. WELLMAN CO. LAKE, UPSTREAM FROM EGBERT RD.; JUST SOUTH OF BEDFORD.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0180

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/31/84-10/31/84	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/31/84-10/31/84	1	884.	884.	884.	884.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/31/84-10/31/84	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	10/31/84-10/31/84	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/31/84-10/31/84	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/31/84-10/31/84	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/31/84-10/31/84	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/31/84-10/31/84	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	10/31/84-10/31/84	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/31/84-10/31/84	1	0.69	0.69	0.69	0.69	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/31/84-10/31/84	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/31/84-10/31/84	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/31/84-10/31/84	1	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/31/84-10/31/84	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	10/31/84-10/31/84	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/31/84-10/31/84	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/31/84-10/31/84	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/31/84-10/31/84	1	1240.	1240.	1240.	1240.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/31/84-10/31/84	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/31/84-10/31/84	1	240.	240.	240.	240.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	10/31/84-10/31/84	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/31/84-10/31/84	1	456.	456.	456.	456.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0180

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
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.	1	0	0.00	1	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									

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

Station Inventory for Station: CUVA0181

NPS Station ID: CUVA0181 LAT/LON: 41.376115/ -81.545559 Agency: 21OHIO Date Created: 09/29/84
Location: DEER LICK RUN IN BEDFORD RES. - PARK DR RM=0.76 FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S39
RMI-Indexes: 0603002 000230 00120 Within Park Boundary: Yes
RMI-Miles: 0016.36 0003.72 000.76
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 16.890 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002065600.00 RF3 Mile Point: 1.63 Distance from RF3: 0.01 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER AND ITS MAJOR TRIBUTARIES.
LOCATION - CUYAHOGA CO.; LOCATED IN THE BEDIFORD RESERVATION AT THE PARK DRIVE BRIDGE.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0181

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/84-09/26/85	5	18.	17.8	23.	12.	17.2	4.147	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/84-09/26/85	5	920.	956.4	1190.	630.	56142.3	236.944	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/84-09/26/85	5	1030.	971.2	1150.	680.	31767.2	178.234	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/26/84-09/26/85	5	8.7	8.5	9.2	7.7	0.445	0.667	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/26/84-09/26/85	5	52.	59.2	111.	10.	1462.7	38.245	**	**	**	**
00400	PH (STANDARD UNITS)	07/26/84-09/26/85	5	8.5	8.52	9.4	7.9	0.302	0.55	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/84-09/26/85	5	8.5	8.313	9.4	7.9	0.356	0.596	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/84-09/26/85	5	0.003	0.005	0.013	0.	0.	0.005	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/26/84-09/26/85	5	206.	266.1	788.	2.5	94977.55	308.184	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/26/84-09/26/85	5	1.7	3.864	9.5	0.09	18.757	4.331	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/08/84-09/26/85	4	0.08	0.078	0.14	0.01	0.003	0.053	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/26/84-09/26/85	5	3.1	5.74	13.	0.4	32.238	5.678	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/26/84-09/26/85	5	0.66	2.452	9.8	0.4	16.934	4.115	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/84-09/26/85	5	2.36	2.162	4.04	0.05	2.878	1.696	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/26/84-09/26/85	5	0.01	0.011	0.024	0.003	0.	0.008	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/84-09/26/85	4	251.5	263.75	321.	231.	1654.25	40.672	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/84-09/26/85	5	69.6	64.94	76.1	44.6	151.368	12.303	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/84-09/26/85	5	22.5	24.82	31.9	19.8	28.797	5.366	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/26/85-09/26/85	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	09/26/85-09/26/85	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/26/85-09/26/85	1	103.	103.	103.	103.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/08/84-10/02/84	3	127.	146.333	192.	120.	1576.333	39.703	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/26/84-09/26/85	5	23.	48.4	168.	3.	4678.3	68.398	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	09/26/85-09/26/85	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/26/84-09/26/85	5	8.	7.9	15.	0.5	28.3	5.32	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/26/84-09/26/85	5	60.	109.	310.	15.	14130.	118.87	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/26/84-09/26/85	5	65.	86.8	210.	14.	5418.7	73.612	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/26/84-09/26/85	5	1460.	2506.	4710.	1090.	2929130.	1711.47	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/26/84-09/26/85	5	10.	16.4	48.	3.	325.3	18.036	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/26/85-09/26/85	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/26/84-09/26/85	5	170.	147.	250.	50.	6370.	79.812	**	**	**	**

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

Parameter Inventory for Station: CUVA0181

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01082	STRONTIUM, TOTAL (UG/L AS SR)	09/26/85-09/26/85	1	280.	280.	280.	280.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/26/84-09/26/85	5	90.	124.	275.	45.	9242.5	96.138	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/84-09/26/85	4	26750.	26425.	52100.	100.	485849166.667	22041.986	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/84-10/16/84	2	1215.	1215.	2400.	30.	2808450.	1675.843	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/84-10/16/84	2	2.429	2.429	3.38	1.477	1.811	1.346	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			268.328								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/26/84-09/26/85	5	61.	85.2	250.	5.	9364.7	96.771	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/26/84-09/26/85	5	582.	589.8	688.	442.	9895.2	99.475	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/26/84-08/08/84	2	## 0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: CUVA0181

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	1	0.20	5	1	0.20									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	5	1	0.20	5	1	0.20									
		Drinking Water	0.2	5	0	0.00	5	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.	3	0	0.00	3	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	5	0	0.00									
		Drinking Water	50.	5	1	0.20	5	1	0.20									
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	4	0.80	5	4	0.80									
		Drinking Water	5.	5	4	0.80	5	4	0.80									
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	2	0.40	5	2	0.40									
01042	COPPER, TOTAL	Fresh Acute	18.	5	4	0.80	5	4	0.80									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	1	0.20	5	1	0.20									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	3	0.60	5	3	0.60									
01092	ZINC, TOTAL	Fresh Acute	120.	5	2	0.40	5	2	0.40									
		Drinking Water	5000.	5	0	0.00	5	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	1	0.50	2	1	0.50									
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: CUVA0182

NPS Station ID: CUVA0182 LAT/LON: 41.376670/ -81.490003 Agency: 21OHIO Date Created: / /
Location: TINKERS CREEK AT GLEN WILLOW - DST RICHMOND RD. FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 502090
RMI-Indexes: 0603002 000230 Within Park Boundary: No
RMI-Miles: 0016.36 0008.65
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002001500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
PURPOSE - 303 PROGRAM; MEASURES THE WATER QUALITY OF THE UPPER REACHES OF TINKERS CREEK.
LOCATION - .1 MI. DOWNSTREAM FROM RICHMOND ROAD BRIDGE NEAR GLENWILLOW. COLLECTION - SAMPLES WILL BE SPACE COMPOSITED AND COLLECTED BY WADING; BY ECO LABS INC. SAMPLE ANALYZED BY ECO LABS.

Parameter Inventory for Station: CUVA0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/73-08/29/91	11	18.	16.864	24.	0.5	46.605	6.827	2.5	13.	21.5	23.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/28/73-10/17/73	6	25.	29.833	63.	13.	293.367	17.128	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/10/91-08/29/91	3	818.	842.	900.	808.	2548.	50.478	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/73-03/27/75	7	600.	676.429	1140.	420.	64605.952	254.177	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/28/73-08/29/91	11	6.5	6.591	13.2	3.6	7.021	2.65	3.6	4.1	7.4	12.1
00310	BOD, 5 DAY, 20 DEG C MG/L	08/28/73-10/17/73	7	8.5	10.586	21.	3.4	49.508	7.036	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	08/28/73-08/29/91	10	21.95	20.68	30.	7.7	47.98	6.927	8.43	15.675	26.6	29.66
00400	PH (STANDARD UNITS)	08/28/73-08/29/91	10	7.	7.29	8.1	7.	0.221	0.47	7.	7.	7.9	8.08
00400	CONVERTED PH (STANDARD UNITS)	08/28/73-08/29/91	10	7.	7.135	8.1	7.	0.248	0.498	7.	7.	7.9	8.08
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/73-08/29/91	10	0.1	0.073	0.1	0.008	0.002	0.043	0.008	0.013	0.1	0.1
00403	PH, LAB, STANDARD UNITS SU	08/28/73-03/27/75	8	7.55	7.563	7.8	7.3	0.023	0.151	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/28/73-03/27/75	8	7.547	7.539	7.8	7.3	0.023	0.153	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/73-03/27/75	8	0.028	0.029	0.05	0.016	0.	0.01	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/27/75-03/27/75	1	101.	101.	101.	101.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	08/28/73-10/17/73	7	546.	538.571	632.	433.	5278.286	72.652	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/28/73-10/17/73	7	529.	514.286	622.	345.	9497.238	97.454	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/28/73-08/29/91	10	24.5	33.	111.	2.	1242.889	35.255	2.	5.	53.	107.
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	03/27/75-03/27/75	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/28/73-08/29/91	11	0.45	0.895	3.02	0.08	0.942	0.971	0.088	0.14	1.46	2.844
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/10/91-08/29/91	3	0.06	0.063	0.08	0.05	0.	0.015	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/73-08/29/91	11	1.36	1.47	3.08	0.3	0.664	0.815	0.38	0.9	2.24	2.934
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/28/73-08/29/91	11	7.5	6.821	9.25	0.4	6.236	2.497	1.286	5.5	8.5	9.15
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/28/73-10/17/73	7	2.75	3.571	6.25	2.25	2.057	1.434	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/27/75-08/29/91	4	0.245	0.748	2.4	0.1	1.223	1.106	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/27/75-03/27/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	03/27/75-03/27/75	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/27/75-08/29/91	4	231.	211.	232.	150.	1654.667	40.678	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/10/91-08/29/91	3	65.	64.667	65.	64.	0.333	0.577	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	10/09/91-10/09/91	1	17800.	17800.	17800.	17800.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	10/09/91-10/09/91	1	5150.	5150.	5150.	5150.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/10/91-08/29/91	3	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: CUVA0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00937	POTASSIUM, TOTAL MG/L AS K)	07/31/91-07/31/91	1	10.1	10.1	10.1	10.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/73-08/29/91	11	93.	94.636	144.	31.	1259.655	35.492	34.4	66.	121.	141.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/27/75-03/27/75	1	45.	45.	45.	45.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/16/73-07/10/91	2	1.5	1.5	3.	0.	4.5	2.121	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/09/91-10/09/91	1	14.4	14.4	14.4	14.4	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	07/16/73-07/16/73	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/16/73-08/29/91	5	0.2	2.12	10.	0.	19.417	4.406	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/91-10/09/91	1	0.69	0.69	0.69	0.69	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/91-10/09/91	1	15.8	15.8	15.8	15.8	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	07/16/73-03/27/75	2	15.	15.	30.	0.	450.	21.213	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/27/75-08/29/91	4 ##	15.	18.75	30.	15.	56.25	7.5	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/16/73-08/29/91	5 ##	5.	9.	30.	0.	142.5	11.937	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/09/91-10/09/91	1	26.8	26.8	26.8	26.8	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/27/75-08/29/91	4	2160.	1995.	2940.	720.	868966.667	932.184	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/16/73-08/29/91	5	3.	3.4	10.	0.	15.3	3.912	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/09/91-10/09/91	1	42.9	42.9	42.9	42.9	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/09/91-10/09/91	1	543.	543.	543.	543.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/16/73-07/31/91	3	140.	170.	290.	80.	11700.	108.167	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/10/91-08/29/91	3 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	07/16/73-07/16/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/16/73-08/29/91	5	40.	32.	50.	0.	370.	19.235	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/09/91-10/09/91	1	119.	119.	119.	119.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/16/73-07/31/91	3 ##	1.	0.667	1.	0.	0.333	0.577	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/09/91-10/09/91	1 ##	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/09/91-10/09/91	1	25100.	25100.	25100.	25100.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/75-08/13/91	3	3200.	2686.	4800.	58.	5819788.	2412.424	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/27/75-08/13/91	3	3.505	2.983	3.681	1.763	1.124	1.06	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			962.217								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	03/27/75-03/27/75	1	12.	12.	12.	12.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	03/27/75-03/27/75	1	1.079	1.079	1.079	1.079	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			12.								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/28/73-03/27/75	8	4.5	8.375	16.	2.	40.554	6.368	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/10/91-08/29/91	3	586.	617.333	734.	532.	10937.333	104.582	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: CUVA0182

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	11	2	0.18	10	2	0.20				1	0	0.00			
00400	PH	Other-Hi Lim.	9.	10	0	0.00	10	0	0.00									
		Other-Lo Lim.	6.5	10	0	0.00	10	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	8	0	0.00	7	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	7	0	0.00				1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	3	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	10	0	0.00				1	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	11	0	0.00	10	0	0.00				1	0	0.00			
		Drinking Water	250.	11	0	0.00	10	0	0.00				1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	1	0.20	4	0	0.00				1	1	1.00			
		Drinking Water	5.	5	1	0.20	4	0	0.00				1	1	1.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	2	1	0.50	1	0	0.00				1	1	1.00			
		Drinking Water	100.	2	0	0.00	1	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	3	0	0.00				1	0	0.00			

& - 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: CUVA0182

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01042	COPPER, TOTAL	Fresh Acute	18.	5	1	0.20	4	0	0.00				1	1	1.00			
		Drinking Water	1300.	5	0	0.00	4	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	4	0	0.00				1	0	0.00			
		Drinking Water	15.	5	0	0.00	4	0	0.00				1	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	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.	5	0	0.00	4	0	0.00				1	0	0.00			
		Drinking Water	5000.	5	0	0.00	4	0	0.00				1	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									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	2	0.67	2	2	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: CUVA0183

NPS Station ID: CUVA0183 LAT/LON: 41.376670/ -81.532782 Agency: 21OHIO Date Created: 11/08/86
Location: TRIB TO E. BR. DEER LICK RUN DST AM. STEEL DRUM FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01A11
RMI-Indexes: 0603002 000230 00120 0050 0010 Within Park Boundary: No
RMI-Miles: 0016.36 0003.72 000.93 000.42 000.15
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002061301.09 RF3 Mile Point: 1.08 Distance from RF3: 0.19 On/Off RF3:
Description:
PURPOSE - SPECIAL SHORT-TERM MONITORING. LOCATION - CUYAHOGA CO.; LOCATED DOWNSTREAM FROM THE AMERICAN STEEL DRUM COMPANY OUTFALL. COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST DISTRICT OFFICE, (216) 425-9171. SAMPLES ANALYZED BY THE OHIO EPA

Parameter Inventory for Station: CUVA0183

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/31/84-10/31/84	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/31/84-03/28/85	2	467.5	467.5	708.	227.	115680.5	340.118	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/85-03/28/85	1	287.	287.	287.	287.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/31/84-10/31/84	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	10/31/84-03/28/85	2	60.	60.	70.	50.	200.	14.142	**	**	**	**
00400	PH (STANDARD UNITS)	10/31/84-03/28/85	2	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/31/84-03/28/85	2	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/31/84-03/28/85	2	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/31/84-03/28/85	2	59.5	59.5	109.	10.	4900.5	70.004	**	**	**	**
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	10/31/84-10/31/84	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/31/84-03/28/85	2	1.355	1.355	2.01	0.7	0.858	0.926	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/31/84-03/28/85	2	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/31/84-03/28/85	2	1.85	1.85	2.7	1.	1.445	1.202	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/31/84-03/28/85	2	0.455	0.455	0.66	0.25	0.084	0.29	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/31/84-03/28/85	2	0.221	0.221	0.29	0.152	0.01	0.098	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	10/31/84-03/28/85	2	0.007	0.007	0.008	0.006	0.	0.001	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/28/85-03/28/85	1	128.	128.	128.	128.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/28/85-03/28/85	1	37.4	37.4	37.4	37.4	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/28/85-03/28/85	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	03/28/85-03/28/85	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/28/85-03/28/85	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/31/84-03/28/85	2 ##	35.	35.	55.	15.	800.	28.284	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/31/84-03/28/85	2	177.5	177.5	340.	15.	52812.5	229.81	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/31/84-03/28/85	2	1210.	1210.	2080.	340.	1513800.	1230.366	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/31/84-03/28/85	2	351.5	351.5	700.	3.	242904.5	492.853	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/28/85-03/28/85	1	150.	150.	150.	150.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/31/84-03/28/85	2	177.5	177.5	335.	20.	49612.5	222.739	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/28/85-03/28/85	1	3600.	3600.	3600.	3600.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	10/31/84-03/28/85	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/31/84-03/28/85	2	388.	388.	572.	204.	67712.	260.215	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0183

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	1	0	0.00				1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00				1	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	0.2	2	0	0.00	1	0	0.00				1	0	0.00			
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	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	1	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	2	1	0.50	1	0	0.00				1	1	1.00			
		Drinking Water	1300.	2	0	0.00	1	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	2	1	0.50	1	0	0.00				1	1	1.00			
		Drinking Water	15.	2	1	0.50	1	0	0.00				1	1	1.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	1	1.00							1	1	1.00			
01092	ZINC, TOTAL	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			

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

Station Inventory for Station: CUVA0184

NPS Station ID: CUVA0184 LAT/LON: 41.377503/ -81.575005 Agency: 21OHIO Date Created: 09/29/84
Location: WOOD CREEK DST BEDFORD WWTP (RM 0.15) FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S36
RMI-Indexes: 0603002 000230 00090 Within Park Boundary: Yes
RMI-Miles: 0016.36 0002.44 000.15
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 14.910 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002002100.89 RF3 Mile Point: 1.71 Distance from RF3: 0.04 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER AND ITS MAJOR TRIBUTARIES.
LOCATION - CUYAHOGA CO.; LOCATED NEAR THE MOUTH, DOWNSTREAM FROM THE BEDFORD WWTP.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/84-10/02/84	4	18.75	17.375	21.	11.	22.563	4.75	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/84-10/02/84	4	670.	683.5	844.	550.	14649.	121.033	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/84-10/02/84	4	739.	754.	855.	683.	6580.667	81.121	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/26/84-10/02/84	4	7.75	8.05	9.4	7.3	0.87	0.933	**	**	**	**
00400	PH (STANDARD UNITS)	07/26/84-10/02/84	4	7.8	7.75	7.8	7.6	0.01	0.1	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/84-10/02/84	4	7.8	7.741	7.8	7.6	0.01	0.101	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/84-10/02/84	4	0.016	0.018	0.025	0.016	0.	0.005	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/26/84-10/02/84	4 ##	3.75	4.	6.	2.5	3.167	1.78	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/26/84-10/02/84	4	0.075	0.165	0.45	0.06	0.036	0.19	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/08/84-10/02/84	3	0.36	0.343	0.37	0.3	0.001	0.038	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/26/84-10/02/84	4	1.45	1.375	1.6	1.	0.069	0.263	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/26/84-10/02/84	4	9.1	9.35	12.5	6.7	5.797	2.408	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/84-10/02/84	4	0.465	0.468	0.58	0.36	0.008	0.09	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/84-10/16/84	2	300.	300.	430.	170.	33800.	183.848	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/84-10/16/84	2	2.432	2.432	2.633	2.23	0.081	0.285	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			270.37								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/26/84-10/02/84	4	479.	477.	512.	438.	1558.667	39.48	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0184

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	4	0	0.00	4	0	0.00									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	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: CUVA0184

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	1	0.25	4	1	0.25									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	1	0.50	2	1	0.50									

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

Station Inventory for Station: CUVA0185

NPS Station ID: CUVA0185 LAT/LON: 41.378337/ -81.555559 Agency: 21OHIO Date Created: 05/31/86
Location: TINKERS CREEK JUST UPST CONFL DEERLICK RUN FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S77
RMI-Indexes: 0603002 000230 Within Park Boundary: Yes
RMI-Miles: 0016.36 0003.80
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 29.90 On/Off RF1:
RF3 Index: 04110002002101.52 RF3 Mile Point: 2.30 Distance from RF3: 0.00 On/Off RF3:
Description:
PURPOSE - FOLLOW UP SAMPLING TO THE 1984 CUYAHOGA RIVER SURVEY. THIS SITE CONTAINS SEDIMENT DATA.
LOCATION - CUYAHOGA CO.; LOCATED APPROXIMATELY 1500 FEET UPSTREAM FROM THE CONFLUENCE OF DEERLICK RUN; IN BEDFORD RESERVATION.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	08/01/85-08/01/85	1	16900.	16900.	16900.	16900.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/01/85-08/01/85	1	4400.	4400.	4400.	4400.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	08/01/85-08/01/85	1	## 67.5	67.5	67.5	67.5	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	08/01/85-08/01/85	1	1140.	1140.	1140.	1140.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/01/85-08/01/85	1	17.4	17.4	17.4	17.4	0.	0.	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	08/01/85-08/01/85	1	44.	44.	44.	44.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/01/85-08/01/85	1	0.52	0.52	0.52	0.52	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/01/85-08/01/85	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/01/85-08/01/85	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/01/85-08/01/85	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/01/85-08/01/85	1	601.	601.	601.	601.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/01/85-08/01/85	1	29.	29.	29.	29.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/01/85-08/01/85	1	29.	29.	29.	29.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/01/85-08/01/85	1	89.	89.	89.	89.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/01/85-08/01/85	1	7320.	7320.	7320.	7320.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/01/85-08/01/85	1	32000.	32000.	32000.	32000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: CUVA0186

NPS Station ID: CUVA0186 | LAT/LON: 41.378337/ -81.556671 | Agency: 21OHIO | Date Created: 05/31/86
Location: TINKERS CREEK JUST DST CONFL DEERLICK RUN | FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): F01S76
RMI-Indexes: 0603002 000230 | Within Park Boundary: Yes
RMI-Miles: 0016.36 0003.60
HUC: 04110002 | Depth of Water: 0 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER | ECO Region:
RF1 Index: 04110002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 04110002000110.65 | RF3 Mile Point: 11.92 | Distance from RF3: 0.01 | On/Off RF3:
Description:
PURPOSE - FOLLOW UP SAMPLING TO THE 1984 CUYAHOGA RIVER SURVEY. THIS SITE CONTAINS SEDIMENT DATA.
LOCATION - CUYAHOGA CO.; LOCATED APPROXIMATELY 1500 FEET DOWNSTREAM FROM THE CONFLUENCE OF DEERLICK RUN; IN BEDFORD RESERVATION.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	08/01/85-10/09/91	2	13175.	13175.	17600.	8750.	39161250.	6257.895	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/01/85-10/09/91	2	5260.	5260.	5640.	4880.	288800.	537.401	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	08/01/85-08/01/85	1 ##	91.	91.	91.	91.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	08/01/85-08/01/85	1	1270.	1270.	1270.	1270.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/01/85-10/09/91	2	23.85	23.85	24.5	23.2	0.845	0.919	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	08/01/85-08/01/85	1	34.	34.	34.	34.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/01/85-10/09/91	2	1.3	1.3	2.22	0.38	1.693	1.301	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/01/85-10/09/91	2	27.45	27.45	35.9	19.	142.805	11.95	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/01/85-10/09/91	2	51.95	51.95	77.9	26.	1346.805	36.699	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/01/85-10/09/91	2	17.65	17.65	18.2	17.1	0.605	0.778	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/01/85-10/09/91	2	444.5	444.5	540.	349.	18240.5	135.057	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/01/85-10/09/91	2	38.9	38.9	48.8	29.	196.02	14.001	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/01/85-08/01/85	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/01/85-10/09/91	2	187.	187.	283.	91.	18432.	135.765	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/01/85-08/01/85	1	8080.	8080.	8080.	8080.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/09/91-10/09/91	1 ##	0.245	0.245	0.245	0.245	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/01/85-10/09/91	2	28400.	28400.	30800.	26000.	11520000.	3394.113	**	**	**	**

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

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

Station Inventory for Station: CUVA0187

NPS Station ID: CUVA0187
LAT/LON: 41.378893/ -81.614726
Agency: 21OHIO
Date Created: 10/13/84
Location: CUYAHOGA R. AT HILLSIDE RD.
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): F01S11
RMI-Indexes: 0603002
Within Park Boundary: Yes
RMI-Miles: 0015.61
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 14.380
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 04110002000110.65
RF3 Mile Point: 11.92
Distance from RF3: 0.03
On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER.
LOCATION - CUYAHOGA CO.; LOCATED AT THE HILLSIDE RD. BRIDGE, 1.0 MILES NORTHWEST OF VALLEY VIEW.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/84-09/24/91	15	21.	20.013	24.8	8.5	19.7	4.438	12.7	17.	23.5	24.62
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/84-09/24/91	15	690.	687.	1150.	443.	36817.571	191.879	444.8	500.	785.	1009.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/84-10/29/87	9	793.	751.444	932.	558.	16254.528	127.493	558.	623.	834.5	932.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/02/84-09/24/91	15	8.1	8.113	10.8	6.4	0.946	0.972	7.	7.6	8.5	9.72
00310	BOD, 5 DAY, 20 DEG C MG/L	08/02/84-09/26/84	5	2.2	2.66	5.	1.8	1.768	1.33	**	**	**	**
00324	BOD, 20 DAY, 20 DEG C MG/L	08/02/84-09/26/84	5	6.3	8.88	15.	5.9	16.167	4.021	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/15/87-09/24/91	10	19.	19.7	33.	12.	62.456	7.903	12.	12.	26.25	32.4
00400	PH (STANDARD UNITS)	08/02/84-09/24/91	15	7.9	7.94	8.5	7.3	0.085	0.292	7.48	7.8	8.1	8.35
00400	CONVERTED PH (STANDARD UNITS)	08/02/84-09/24/91	15	7.9	7.843	8.5	7.3	0.095	0.308	7.48	7.8	8.1	8.35
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/02/84-09/24/91	15	0.013	0.014	0.05	0.003	0.	0.011	0.005	0.008	0.016	0.035
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/02/84-09/24/91	15	18.	40.467	275.	6.	4557.695	67.511	6.	9.	47.	147.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/02/84-09/24/91	15	0.05	0.21	1.58	0.025	0.166	0.408	0.025	0.025	0.15	0.992
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/02/84-09/24/91	15	0.06	0.103	0.38	0.01	0.012	0.11	0.01	0.03	0.12	0.332
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/02/84-09/05/91	14	0.85	0.979	2.8	0.6	0.32	0.566	0.6	0.6	1.1	2.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/02/84-09/24/91	15	3.56	3.397	5.74	1.4	1.846	1.359	1.466	1.92	4.53	5.512
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/02/84-09/05/91	14	0.31	0.306	0.46	0.11	0.016	0.126	0.125	0.2	0.43	0.45
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/11/91-09/24/91	6 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/02/84-09/24/91	15	254.	239.467	264.	181.	956.695	30.93	181.6	222.	259.	262.8
00916	CALCIUM, TOTAL (MG/L AS CA)	08/02/84-09/24/91	15	72.7	68.667	76.	51.5	74.785	8.648	52.4	64.8	74.	75.34
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/02/84-09/24/91	15	17.9	16.553	18.4	12.	5.543	2.354	12.24	14.5	18.	18.34
00940	CHLORIDE,TOTAL IN WATER MG/L	07/11/91-09/24/91	6	120.5	116.833	132.	89.	266.967	16.339	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/15/87-09/24/91	10	3.	2.8	5.	1.	1.289	1.135	1.1	2.	3.25	4.9
01027	CADMIUM, TOTAL (UG/L AS CD)	07/15/87-09/24/91	10 ##	0.1	0.16	0.4	0.1	0.016	0.126	0.1	0.1	0.175	0.4
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/15/87-09/24/91	10 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042	COPPER, TOTAL (UG/L AS CU)	08/02/84-09/24/91	14 ##	5.	6.	15.	4.	8.615	2.935	4.5	5.	5.	12.5
01045	IRON, TOTAL (UG/L AS FE)	08/02/84-10/29/87	9	630.	951.111	2730.	410.	748286.111	865.035	410.	425.	1415.	2730.
01051	LEAD, TOTAL (UG/L AS PB)	08/02/84-09/24/91	15	2.	4.267	20.	1.	37.21	6.1	1.	1.	4.	18.8
01055	MANGANESE, TOTAL (UG/L AS MN)	07/15/87-10/29/87	4	97.5	115.	200.	65.	3783.333	61.509	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	09/26/84-09/24/91	11 ##	20.	20.	20.	20.	0.	0.	20.	20.	20.	20.
01092	ZINC, TOTAL (UG/L AS ZN)	08/02/84-09/24/91	15	20.	31.	110.	15.	815.	28.548	15.	20.	25.	98.
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/15/87-10/29/87	4	895.	877.5	1470.	250.	327825.	572.56	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: CUVA0187

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	08/02/84-09/26/84	4	455.	525.	800.	390.	35366.667	188.06	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/02/84-09/26/84	4	2.657	2.702	2.903	2.591	0.02	0.14	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			503.385								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/02/84-09/24/91	11 ##	5.	5.455	10.	5.	2.273	1.508	5.	5.	5.	9.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/84-09/24/91	15	516.	502.267	628.	358.	6968.495	83.478	362.8	458.	558.	614.8
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/02/84-09/24/91	11	1.4	1.282	2.4	0.5	0.376	0.613	0.5	0.5	1.7	2.3
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/02/84-09/26/84	5	3.8	4.36	6.9	3.5	2.038	1.428	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0187

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	15	0	0.00	15	0	0.00									
00400	PH	Other-Hi Lim.	9.	15	0	0.00	15	0	0.00									
		Other-Lo Lim.	6.5	15	0	0.00	15	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	15	0	0.00	15	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	15	0	0.00	15	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	6	0	0.00	6	0	0.00									
		Drinking Water	0.2	6	0	0.00	6	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	6	0	0.00	6	0	0.00									
		Drinking Water	250.	6	0	0.00	6	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	10	0	0.00	10	0	0.00									
		Drinking Water	50.	10	0	0.00	10	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	10	0	0.00	10	0	0.00									
		Drinking Water	5.	10	0	0.00	10	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	10	0	0.00	10	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	14	0	0.00	14	0	0.00									
		Drinking Water	1300.	14	0	0.00	14	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	15	0	0.00	15	0	0.00									
		Drinking Water	15.	15	2	0.13	15	2	0.13									
01067	NICKEL, TOTAL	Fresh Acute	1400.	11	0	0.00	11	0	0.00									
		Drinking Water	100.	11	0	0.00	11	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	15	0	0.00	15	0	0.00									
		Drinking Water	5000.	15	0	0.00	15	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	4	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: CUVA0188

NPS Station ID: CUVA0188 LAT/LON: 41.383615/ -81.488893 Agency: 21OHIO Date Created: 02/22/92
Location: HAWTHORNE CREEK AT RICHMOND ROAD BRIDGE FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01W57
RMI-Indexes: 0603002 000230 00200 Within Park Boundary: No
RMI-Miles: 0016.36 0007.83 000.75
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 16.360 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002065200.00 RF3 Mile Point: 4.20 Distance from RF3: 0.00 On/Off RF3:
Description:
PURPOSE - OHIO EPA INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY LOCATION - HAWTHORNE CREEK, UPST. OF BEDFORD HEIGHTS WWTP, AT RICHMOND RD. BRIDGE, CUYAHOGA CO. COLLECTION - 1991 SURVEY CONDUCTED BY WQ MODELING SECTION OF DWQPA
USGS QUAD = CHAGRIN FALLS

Parameter Inventory for Station: CUVA0188

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00335	COD, .025N K2CR2O7 MG/L	07/31/91-07/31/91	2	17.	17.	17.	17.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/31/91-07/31/91	2 ##	4.75	4.75	7.	2.5	10.125	3.182	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/31/91-07/31/91	2	0.11	0.11	0.14	0.08	0.002	0.042	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/31/91-07/31/91	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/31/91-07/31/91	2	0.45	0.45	0.5	0.4	0.005	0.071	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/31/91-07/31/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/31/91-07/31/91	2 ##	0.073	0.073	0.12	0.025	0.005	0.067	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/31/91-07/31/91	2	248.5	248.5	255.	242.	84.5	9.192	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/31/91-07/31/91	2	71.5	71.5	74.	69.	12.5	3.536	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/31/91-07/31/91	2	17.	17.	17.	17.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/31/91-07/31/91	2	126.	126.	128.	124.	8.	2.828	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/31/91-07/31/91	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/31/91-07/31/91	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/31/91-07/31/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/31/91-07/31/91	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/31/91-07/31/91	2 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/31/91-07/31/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/31/91-07/31/91	2	557.	557.	580.	534.	1058.	32.527	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: CUVA0188

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									

& - 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: CUVA0188

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	0	0.00	2	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00	2	0	0.00									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	2	0	0.00									
		Drinking Water	15.	2	0	0.00	2	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	2	0	0.00									
		Drinking Water	5000.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: CUVA0189

NPS Station ID: CUVA0189 LAT/LON: 41.383892/ -81.511116 Agency: 21OHIO Date Created: 10/20/84
Location: TINKERS CREEK DST BEDFORD HTS. WWTP - DST I-271 FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S26
RMI-Indexes: 0603002 000230 Within Park Boundary: No
RMI-Miles: 0016.36 0006.80
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002000116.05 RF3 Mile Point: 16.04 Distance from RF3: 0.02 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER.
LOCATION - CUYAHOGA CO.; LOCATED JUST UPSTREAM FROM I-271, DOWNSTREAM FROM THE BEDFORD HEIGHTS WWTP.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0189

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/84-08/29/91	7	20.5	19.957	23.5	11.5	17.996	4.242	**	**	**	**
00065	STAGE, STREAM (FEET)	07/10/91-08/29/91	3	2.89	2.897	2.93	2.87	0.001	0.031	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/84-08/29/91	7	797.	737.857	860.	555.	15491.81	124.466	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/84-09/04/84	3	715.	731.333	844.	635.	11120.333	105.453	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/26/84-08/29/91	7	8.2	8.457	9.8	6.9	1.2	1.095	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/26/84-08/01/91	6	2.45	2.8	4.3	1.7	1.216	1.103	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/10/91-08/29/91	3	23.	23.	30.	16.	49.	7.	**	**	**	**
00400	PH (STANDARD UNITS)	07/26/84-08/29/91	7	8.	7.994	8.4	7.75	0.04	0.201	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/84-08/29/91	7	8.	7.96	8.4	7.75	0.042	0.204	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/84-08/29/91	7	0.01	0.011	0.018	0.004	0.	0.004	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/26/84-08/29/91	9	23.	24.889	40.	10.	142.861	11.952	10.	12.5	37.	40.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/26/84-08/29/91	9	0.13	0.182	0.65	0.025	0.042	0.206	0.025	0.025	0.28	0.65
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/08/84-08/29/91	8	0.065	0.07	0.16	0.04	0.001	0.039	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/26/84-08/29/91	9	1.1	1.067	1.8	0.5	0.145	0.381	0.5	0.75	1.25	1.8
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/26/84-08/29/91	9	7.2	5.638	9.82	2.05	8.648	2.941	2.05	2.745	7.845	9.82
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/84-08/29/91	7	0.43	0.41	0.57	0.1	0.024	0.155	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/26/84-10/02/84	3	0.005	0.007	0.012	0.003	0.	0.005	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/84-08/29/91	9	221.	213.778	232.	170.	372.444	19.299	170.	205.	225.	232.
00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/84-08/29/91	9	62.	60.144	65.5	46.7	32.07	5.663	46.7	58.5	63.05	65.5
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/84-08/29/91	9	16.	15.456	16.8	12.9	1.795	1.34	12.9	14.35	16.35	16.8
00940	CHLORIDE,TOTAL IN WATER MG/L	07/10/91-08/29/91	3	123.	123.333	126.	121.	6.333	2.517	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/26/84-08/29/91	9	0.2	0.156	0.2	0.1	0.003	0.053	0.1	0.1	0.2	0.2
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/26/84-08/29/91	9 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042	COPPER, TOTAL (UG/L AS CU)	07/26/84-08/29/91	9 ##	5.	10.556	25.	5.	59.028	7.683	5.	5.	17.5	25.
01045	IRON, TOTAL (UG/L AS FE)	07/26/84-08/29/91	7	1390.	1547.143	3010.	420.	707790.476	841.303	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/26/84-08/29/91	9	2.	2.667	6.	1.	4.25	2.062	1.	1.	5.	6.
01067	NICKEL, TOTAL (UG/L AS NI)	07/26/84-08/29/91	9 ##	20.	20.	20.	20.	0.	0.	20.	20.	20.	20.
01092	ZINC, TOTAL (UG/L AS ZN)	07/26/84-08/29/91	9	35.	39.444	70.	25.	152.778	12.36	25.	35.	40.	70.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/84-10/16/84	2	405.	405.	600.	210.	76050.	275.772	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/84-10/16/84	2	2.55	2.55	2.778	2.322	0.104	0.322	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			354.965								

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

Parameter Inventory for Station: CUVA0189

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/26/84-08/29/91	9	530.	531.333	732.	440.	8413.	91.722	440.	442.	562.	732.
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/30/91-08/01/91	2	2.2	2.2	3.3	1.1	2.42	1.556	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/30/91-08/01/91	2	7.4	7.4	8.	6.8	0.72	0.849	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0189

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	7	0	0.00	7	0	0.00									
00400	PH	Other-Hi Lim.	9.	7	0	0.00	7	0	0.00									
		Other-Lo Lim.	6.5	7	0	0.00	7	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	8	0	0.00	8	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	9	0	0.00	9	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	3	0	0.00	3	0	0.00									
		Drinking Water	0.2	3	0	0.00	3	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	3	0	0.00									
		Drinking Water	250.	3	0	0.00	3	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	9	0	0.00	9	0	0.00									
		Drinking Water	5.	9	0	0.00	9	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	9	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	9	2	0.22	9	2	0.22									
		Drinking Water	1300.	9	0	0.00	9	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	9	0	0.00									
		Drinking Water	15.	9	0	0.00	9	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	9	0	0.00									
		Drinking Water	100.	9	0	0.00	9	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	9	0	0.00	9	0	0.00									
		Drinking Water	5000.	9	0	0.00	9	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	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: CUVA0190

NPS Station ID: CUVA0190
LAT/LON: 41.383892/ -81.583338
Agency: 12OHDO
Date Created: / /
Location: MAPLE HEIGHTS STP EFFLUENT
FIPS State/County: 39000 OHIO/
Station Type: /TYPA/MUN/TREATD/OUTFL/STREAM
STORET Station ID(s): 390514
RMI-Indexes: 0603002 000070 00010 0020
Within Park Boundary: No
RMI-Miles: 0008.90 0005.70 000.10 001.80
HUC: 04110002
Depth of Water: 999
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA R,OHIO CANAL,SWAN CREEK
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 18.220
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 04110002065800.14
RF3 Mile Point: 1.95
Distance from RF3: 0.06
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0190

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/14/75-01/15/75	12	11.5	11.292	12.	10.	0.475	0.689	10.15	10.625	12.	12.
00300	OXYGEN, DISSOLVED MG/L	01/14/75-01/15/75	12	4.	3.992	6.8	1.9	2.237	1.496	1.93	2.475	4.875	6.47
00400	PH (STANDARD UNITS)	01/14/75-01/15/75	12	7.4	7.375	7.4	7.3	0.002	0.045	7.3	7.325	7.4	7.4
00400	CONVERTED PH (STANDARD UNITS)	01/14/75-01/15/75	12	7.4	7.373	7.4	7.3	0.002	0.045	7.3	7.325	7.4	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/75-01/15/75	12	0.04	0.042	0.05	0.04	0.	0.005	0.04	0.04	0.048	0.05
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/75-01/15/75	2	11300.	11300.	14600.	8000.	21780000.	4666.905	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/15/75-01/15/75	2	4.034	4.034	4.164	3.903	0.034	0.185	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10807.405								
50051	FLOW, RATE, INSTANTANEOUS MGD	01/14/75-01/15/75	12	0.7	0.638	1.1	0.3	0.08	0.282	0.3	0.3	0.875	1.055
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	01/14/75-01/15/75	12	2.2	2.637	5.3	0.44	1.555	1.247	0.968	2.2	3.275	5.03

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

EPA Water Quality Criteria Analysis for Station: CUVA0190

				Total	Exceed	Prop.	----------7/01-10/31----------			----------11/01-3/14----------			----------3/15-6/30----------			----------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	Fresh Acute	4.	12	7	0.58				12	7	0.58						
00400	PH	Other-Hi Lim.	9.	12	0	0.00				12	0	0.00						
		Other-Lo Lim.	6.5	12	0	0.00				12	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	2	1.00				2	2	1.00						
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	12	12	1.00				12	12	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: CUVA0191

NPS Station ID: CUVA0191 LAT/LON: 41.384448/ -81.490559 Agency: 21OHIO Date Created: 08/09/80
Location: HAWTHORNE CREEK JUST UPST BEDFORD HTS. WWTP FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01P55
RMI-Indexes: 0603002 000230 00200 Within Park Boundary: No
RMI-Miles: 0016.36 0007.83 000.15
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002065300.10 RF3 Mile Point: 0.77 Distance from RF3: 0.07 On/Off RF3:
Description:
PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS LOCATION-CUYAHOGA COUNTY HAWTHORN CREEK AB BEDFORD HTS STP S OF CITY
RMI=1187.93/16.36/7.83/0.15 COLLECTION-OHIO EPA NORTHEAST DISTRICT OFFICE
WATER USE DESIGNATION AS OF 03/25/80/WWH

Parameter Inventory for Station: CUVA0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/76-08/04/76	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/04/76-08/04/76	1	16.4	16.4	16.4	16.4	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	08/04/76-08/04/76	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/04/76-08/04/76	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/04/76-08/04/76	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/04/76-08/04/76	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	08/04/76-08/04/76	1	537.	537.	537.	537.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/04/76-08/04/76	1	500.	500.	500.	500.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/04/76-07/31/91	3 ##	5.	5.167	8.	2.5	7.583	2.754	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/04/76-07/31/91	4 ##	0.025	0.046	0.11	0.025	0.002	0.043	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/04/76-07/31/91	3 ##	0.01	0.013	0.02	0.01	0.	0.006	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/91-07/31/91	2	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/04/76-07/31/91	3 ##	0.05	0.067	0.1	0.05	0.001	0.029	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/13/76-10/13/76	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/04/76-08/04/76	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/04/76-07/31/91	4	257.	256.75	272.	241.	166.25	12.894	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/21/87-07/31/91	3	72.	73.867	82.6	67.	63.453	7.966	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	10/09/91-10/09/91	1	20000.	20000.	20000.	20000.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	10/09/91-10/09/91	1	4850.	4850.	4850.	4850.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/21/87-07/31/91	3	18.	17.333	18.	16.	1.333	1.155	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/09/91-10/09/91	1	14.4	14.4	14.4	14.4	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/04/76-07/31/91	4 ##	0.1	0.7	2.5	0.1	1.44	1.2	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/91-10/09/91	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/09/91-10/09/91	1	19.1	19.1	19.1	19.1	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	08/04/76-10/13/76	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/04/76-07/31/91	5 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/04/76-07/31/91	5 ##	10.	10.	15.	5.	25.	5.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/09/91-10/09/91	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/13/76-10/13/76	1	290.	290.	290.	290.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/04/76-07/31/91	4 ##	1.	2.	5.	1.	4.	2.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/09/91-10/09/91	1	21.2	21.2	21.2	21.2	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: CUVA0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/09/91-10/09/91	1	596.	596.	596.	596.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	09/21/87-07/31/91	3 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/04/76-07/31/91	5 ##	5.	9.	15.	5.	30.	5.477	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/09/91-10/09/91	1	57.6	57.6	57.6	57.6	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/09/91-10/09/91	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/09/91-10/09/91	1	20200.	20200.	20200.	20200.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/04/76-10/13/76	2	3.5	3.5	5.	2.	4.5	2.121	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	08/04/76-10/13/76	2	0.105	0.105	0.14	0.07	0.002	0.049	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/30/91-07/31/91	2	538.	538.	552.	524.	392.	19.799	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/04/76-08/04/76	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/30/91-07/31/91	2	4.85	4.85	5.4	4.3	0.605	0.778	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0191

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	3	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	3	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00	4	0	0.00									
		Drinking Water	5.	4	0	0.00	4	0	0.00									
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	5	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	4	0	0.00									
		Drinking Water	15.	4	0	0.00	4	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									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	5	0	0.00	5	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: CUVA0192

NPS Station ID: CUVA0192
LAT/LON: 41.384448/ -81.527505
Agency: 112WRD
Date Created: / /
Location: TINKERS C AT BEDFORD OH
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 04207200
RMI-Indexes: 0603002 000230
Within Park Boundary: No
RMI-Miles: 0017.20 0006.20
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 04110001000701.09
RF3 Mile Point: 18.62
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0192

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/66-09/15/82	67	14.5	13.701	26.5	0.	56.227	7.498	2.3	7.	20.	22.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/14/74-07/28/77	7	23.	17.	28.	-5.	175.	13.229	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	09/07/65-09/13/71	22	51.	119.773	723.	8.	31602.946	177.772	12.3	21.	128.75	441.
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/09/71-09/14/82	58	509.	726.5	3960.	17.	739764.851	860.096	27.9	87.5	1120.	1424.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/07/65-09/15/82	54	679.	678.222	1040.	293.	36700.893	191.575	391.	540.	811.75	941.5
00300	OXYGEN, DISSOLVED MG/L	08/14/74-09/15/82	12	8.65	8.642	11.4	6.2	2.795	1.672	6.35	6.925	10.25	11.1
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/14/74-09/15/82	12	86.	88.833	110.	68.	187.061	13.677	70.1	77.	100.75	110.
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/75-07/28/77	5	4.9	5.22	8.3	3.	4.867	2.206	**	**	**	**
00400	PH (STANDARD UNITS)	09/07/65-09/15/82	33	7.8	7.745	8.7	6.8	0.223	0.472	7.1	7.4	8.1	8.4
00400	CONVERTED PH (STANDARD UNITS)	09/07/65-09/15/82	33	7.8	7.495	8.7	6.8	0.287	0.536	7.1	7.4	8.1	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/07/65-09/15/82	33	0.016	0.032	0.158	0.002	0.002	0.039	0.004	0.008	0.041	0.079
00405	CARBON DIOXIDE (MG/L AS CO2)	09/18/72-07/28/77	10	2.6	5.22	21.	1.	39.457	6.282	1.02	1.575	6.575	20.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/07/65-07/28/77	16	117.5	117.313	171.	71.	982.363	31.343	73.8	89.5	144.75	161.9
00440	BICARBONATE ION (MG/L AS HCO3)	09/07/65-07/28/77	17	147.	144.941	208.	86.	1438.309	37.925	90.8	112.	179.	201.6
00445	CARBONATE ION (MG/L AS CO3)	08/29/66-07/28/77	15	0.	0.733	6.	0.	3.781	1.944	0.	0.	0.	5.4
00500	RESIDUE, TOTAL (MG/L)	09/10/73-09/10/73	1	631.	631.	631.	631.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/14/74-07/28/77	7	0.48	0.607	1.3	0.17	0.186	0.431	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/09/73-07/28/77	12	0.02	0.107	0.49	0.005	0.028	0.166	0.005	0.005	0.205	0.451
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/10/72-03/05/73	6	1.6	1.55	2.4	0.3	0.507	0.712	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/09/73-07/28/77	12	1.45	2.433	11.	0.51	8.683	2.947	0.528	0.627	3.35	8.84
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/09/73-07/28/77	12	1.65	2.497	11.	0.51	8.584	2.93	0.54	0.668	3.4	8.84
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/18/72-07/28/77	9	0.47	0.743	1.7	0.26	0.292	0.54	0.26	0.33	1.3	1.7
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/13/75-07/28/77	5	8.4	8.58	14.	5.3	11.502	3.391	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/07/65-07/28/77	25	220.	224.04	382.	110.	4927.707	70.198	126.	175.	262.	336.8
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/07/65-07/28/77	16	98.5	113.25	300.	34.	4534.2	67.336	47.3	78.75	118.5	248.2
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/09/74-07/28/77	9	59.	59.222	78.	40.	183.694	13.553	40.	47.	72.	78.
00916	CALCIUM, TOTAL (MG/L AS CA)	07/09/73-09/10/73	2	77.	77.	87.	67.	200.	14.142	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/09/74-07/28/77	9	12.	12.644	20.	9.4	12.098	3.478	9.4	9.7	14.5	20.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/09/73-09/10/73	2	20.	20.	21.	19.	2.	1.414	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/14/74-07/28/77	7	51.	60.429	140.	24.	1386.619	37.237	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/14/74-07/28/77	7	1.6	1.871	4.4	0.9	1.332	1.154	**	**	**	**
00932	SODIUM, PERCENT	08/14/74-07/28/77	7	33.	37.429	61.	27.	127.952	11.312	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/14/74-07/28/77	7	4.4	4.829	6.5	2.8	1.882	1.372	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/07/65-07/28/77	37	82.	93.757	225.	26.	2676.689	51.737	35.8	57.	119.	178.4
00945	SULFATE, TOTAL (MG/L AS SO4)	08/28/67-07/28/77	26	69.5	68.654	120.	38.	281.675	16.783	45.7	58.	76.	89.8
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/24/70-07/28/77	10	0.4	0.47	1.2	0.	0.138	0.371	0.01	0.25	0.625	1.18
00951	FLUORIDE, TOTAL (MG/L AS F)	09/10/73-09/10/73	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/14/74-07/28/77	7	7.9	7.671	11.	4.7	4.819	2.195	**	**	**	**

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Parameter Inventory for Station: CUVA0192

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01002	ARSENIC, TOTAL (UG/L AS AS)	08/13/75-07/28/77	5	2.	2.2	3.	1.	0.7	0.837	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/18/82-08/18/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/18/82-08/18/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/13/75-07/28/77	5	20.	22.	40.	10.	120.	10.954	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/18/82-08/18/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/13/75-07/28/77	5 ##	10.	11.2	15.	10.	4.7	2.168	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/18/82-08/18/82	1	29.	29.	29.	29.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/14/74-07/28/77	7	50.	142.857	670.	20.	54990.476	234.5	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/13/75-07/28/77	5	7.	33.2	140.	3.	3573.2	59.776	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/18/82-08/18/82	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/18/82-08/18/82	1	890.	890.	890.	890.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/14/74-07/28/77	7	90.	114.286	270.	70.	4861.905	69.727	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/18/82-08/18/82	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/13/75-07/28/77	5	50.	74.	190.	30.	4330.	65.803	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/18/82-08/18/82	1	140.	140.	140.	140.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/18/82-08/18/82	1	2700.	2700.	2700.	2700.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/18/82-08/18/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/18/82-08/18/82	1	10000.	10000.	10000.	10000.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	580.	580.	580.	580.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	09/14/82-09/14/82	1	2.763	2.763	2.763	2.763	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			580.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	09/14/82-09/14/82	1	1200.	1200.	1200.	1200.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	09/14/82-09/14/82	1	3.079	3.079	3.079	3.079	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1200.								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/07/65-09/18/72	8	435.	440.625	655.	186.	20658.554	143.731	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/14/74-07/28/77	7	395.	382.857	578.	232.	14131.143	118.874	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	09/07/65-07/28/77	14	47.95	101.379	399.	14.5	12533.283	111.952	17.85	24.075	167.5	312.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/07/65-07/28/77	14	0.545	0.559	0.89	0.25	0.034	0.185	0.285	0.408	0.718	0.84
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	03/14/72-09/14/79	24	89.	88.917	99.	82.	24.688	4.969	82.5	84.	92.	96.5
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	03/14/72-09/14/79	24	91.	91.958	100.	84.	21.172	4.601	84.5	89.25	95.	99.
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	03/14/72-09/14/79	24	96.	95.708	100.	88.	9.346	3.057	91.5	94.	98.5	100.
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	03/14/72-09/14/79	21	100.	98.762	100.	94.	2.79	1.67	96.2	98.	100.	100.
70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	06/23/72-09/14/79	10	100.	99.9	100.	99.	0.1	0.316	99.1	100.	100.	100.
70336	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 2.00MM	09/14/79-09/14/79	1	100.	100.	100.	100.	0.	0.	**	**	**	**
70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	03/14/72-09/14/79	25	36.	36.84	57.	22.	59.89	7.739	27.6	32.5	40.	48.2
70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	03/14/72-09/14/79	25	47.	47.12	70.	30.	86.443	9.297	35.4	40.5	49.5	61.
70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	03/14/72-09/14/79	25	58.	58.	80.	36.	101.333	10.066	45.8	53.	61.	74.4
70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	03/14/72-09/14/79	25	71.	70.16	88.	42.	102.307	10.115	58.8	64.5	73.5	87.
70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	03/14/72-09/14/79	25	81.	81.16	94.	62.	51.39	7.169	72.8	77.	85.5	92.4
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/13/69-03/05/73	12	7.2	7.908	18.	1.3	15.526	3.94	2.47	6.3	8.85	15.9
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	09/24/70-09/18/72	3	1.9	1.733	1.9	1.4	0.083	0.289	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/13/75-07/28/77	5 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/18/82-08/18/82	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	3	3.9	3.967	4.5	3.5	0.253	0.503	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/14/72-09/14/79	26	825.	1128.346	4900.	30.	1092295.915	1045.13	258.7	477.75	1502.5	2500.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	03/14/72-09/14/79	26	2230.	4381.35	18400.	7.1	23778811.401	4876.352	501.7	1046.5	6355.	12120.
80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	06/28/72-06/28/72	2	0.5	0.5	1.	0.	0.5	0.707	**	**	**	**
80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	06/28/72-06/28/72	2	1.	1.	1.	1.	0.	0.	**	**	**	**
80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	06/28/72-06/28/72	2	3.	3.	4.	2.	2.	1.414	**	**	**	**
80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	06/28/72-06/28/72	2	5.	5.	7.	3.	8.	2.828	**	**	**	**
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	06/28/72-07/02/74	3	5.	6.	12.	1.	31.	5.568	**	**	**	**
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	06/28/72-07/02/74	3	8.	9.333	19.	1.	82.333	9.074	**	**	**	**
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	06/28/72-07/02/74	3	15.	16.	32.	1.	241.	15.524	**	**	**	**
80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	06/28/72-07/02/74	3	24.	26.667	54.	2.	681.333	26.102	**	**	**	**
80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	06/28/72-09/25/74	5	12.	27.8	86.	1.	1281.2	35.794	**	**	**	**
80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	06/28/72-09/25/74	5	24.	44.6	100.	7.	1840.3	42.899	**	**	**	**
80174	BED MATERIAL SIEVE DIAMETER,% FINER THAN 64.0MM	06/28/72-09/25/74	4	63.5	62.75	100.	24.	1851.583	43.03	**	**	**	**

** - 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: CUVA0192

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	12	0	0.00	9	0	0.00				3	0	0.00			
00400	PH	Other-Hi Lim.	9.	33	0	0.00	20	0	0.00	6	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	33	0	0.00	20	0	0.00	6	0	0.00	7	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	12	0	0.00	6	0	0.00	2	0	0.00	4	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	6	0	0.00	1	0	0.00	3	0	0.00	2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	12	1	0.08	6	1	0.17	2	0	0.00	4	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	12	1	0.08	6	1	0.17	2	0	0.00	4	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	37	0	0.00	17	0	0.00	10	0	0.00	10	0	0.00			
		Drinking Water	250.	37	0	0.00	17	0	0.00	10	0	0.00	10	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	26	0	0.00	13	0	0.00	6	0	0.00	7	0	0.00			
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	10	0	0.00	7	0	0.00				3	0	0.00			
00951	FLOURIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00	1	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			
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	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	1300.	5	0	0.00	3	0	0.00				2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	5	1	0.20	3	1	0.33				2	0	0.00			
		Drinking Water	15.	5	1	0.20	3	1	0.33				2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	5	1	0.20	3	1	0.33				2	0	0.00			
		Drinking Water	5000.	5	0	0.00	3	0	0.00				2	0	0.00			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	1	1	1.00	1	1	1.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	12	0	0.00	5	0	0.00	4	0	0.00	3	0	0.00			
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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0192

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/66-09/15/82	26	20.9	20.865	26.5	14.5	7.65	2.766	17.35	19.375	22.5	25.72
00060	FLOW, STREAM, MEAN DAILY CFS	09/07/65-09/13/71	11	22.	94.727	723.	8.	44214.218	210.272	8.8	13.	62.	599.
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/09/71-09/14/82	16	49.5	679.875	3960.	17.	1679768.25	1296.059	17.	27.25	686.25	3820.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/07/65-09/15/82	25	740.	714.96	1040.	293.	33543.623	183.149	422.8	599.5	820.	950.6
00300	OXYGEN, DISSOLVED MG/L	08/14/74-09/15/82	9	8.	7.978	10.3	6.2	1.744	1.321	6.2	6.7	8.9	10.3
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/14/74-09/15/82	9	86.	89.556	110.	68.	242.528	15.573	68.	75.5	106.5	110.
00400	PH (STANDARD UNITS)	09/07/65-09/15/82	20	7.85	7.78	8.7	6.8	0.29	0.539	6.84	7.275	8.1	8.49
00400	CONVERTED PH (STANDARD UNITS)	09/07/65-09/15/82	20	7.847	7.463	8.7	6.8	0.396	0.629	6.84	7.275	8.1	8.49
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/07/65-09/15/82	20	0.014	0.034	0.158	0.002	0.002	0.047	0.003	0.008	0.055	0.149
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/07/65-07/28/77	12	128.	124.833	171.	75.	1019.606	31.931	75.6	93.75	154.	167.1
00440	BICARBONATE ION (MG/L AS HCO3)	09/07/65-07/28/77	13	160.	154.	208.	92.	1435.833	37.892	92.8	122.5	181.	204.8
00445	CARBONATE ION (MG/L AS CO3)	08/29/66-07/28/77	11	0.	1.	6.	0.	5.	2.236	0.	0.	0.	5.8
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/07/65-07/28/77	13	246.	250.846	382.	110.	6041.974	77.73	122.	216.5	289.	381.2
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/07/65-07/28/77	12	100.	125.167	300.	34.	5545.061	74.465	39.7	88.25	159.75	277.8
00940	CHLORIDE,TOTAL IN WATER MG/L	09/07/65-07/28/77	17	81.	93.294	220.	26.	2587.096	50.863	34.	60.	116.	186.4
00945	SULFATE, TOTAL (MG/L AS SO4)	08/28/67-07/28/77	13	73.	74.462	120.	38.	389.103	19.726	46.	61.5	85.	109.6
70302	SOLIDS, DISSOLVED-TONS PER DAY	09/07/65-07/28/77	11	34.1	77.845	399.	14.5	12836.323	113.297	15.84	21.3	62.6	349.6
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/07/65-07/28/77	11	0.55	0.566	0.89	0.25	0.034	0.185	0.264	0.49	0.7	0.866

** - Less than 9 observations ## - Computed 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: 11/01 to 3/14 - Station CUVA0192

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/66-09/15/82	20	5.	5.15	15.	0.	15.845	3.981	0.1	1.75	8.125	10.5
00060	FLOW, STREAM, MEAN DAILY CFS	09/07/65-09/13/71	7	121.	182.286	516.	40.	28036.905	167.442	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/09/71-09/14/82	19	916.	857.053	3080.	24.	595943.053	771.973	55.	140.	1240.	1980.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/07/65-09/15/82	14	712.5	694.714	964.	318.	34057.912	184.548	388.5	583.75	816.	949.
00400	PH (STANDARD UNITS)	09/07/65-09/15/82	6	7.6	7.567	8.1	7.1	0.171	0.413	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/07/65-09/15/82	6	7.589	7.415	8.1	7.1	0.198	0.445	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/07/65-09/15/82	6	0.026	0.038	0.079	0.008	0.001	0.033	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/07/65-07/28/77	5	220.	226.	260.	200.	780.	27.928	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/07/65-07/28/77	10	93.5	99.6	180.	40.	2557.378	50.571	40.1	49.25	134.5	179.8
00945	SULFATE, TOTAL (MG/L AS SO4)	08/28/67-07/28/77	6	69.5	68.833	78.	53.	78.167	8.841	**	**	**	**

** - 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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0192

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/66-09/15/82	21	13.5	12.976	21.	1.	20.537	4.532	6.1	11.	16.	18.7
00060	FLOW, STREAM, MEAN DAILY CFS	09/07/65-09/13/71	4	73.5	79.25	146.	24.	4158.25	64.484	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/09/71-09/14/82	23	718.	651.087	1730.	55.	261530.719	511.401	72.2	137.	1040.	1340.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/07/65-09/15/82	15	605.	601.6	1030.	327.	40838.114	202.084	333.6	424.	764.	918.4
00300	OXYGEN, DISSOLVED MG/L	08/14/74-09/15/82	3	10.4	10.633	11.4	10.1	0.463	0.681	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/14/74-09/15/82	3	86.	86.667	94.	80.	49.333	7.024	**	**	**	**
00400	PH (STANDARD UNITS)	09/07/65-09/15/82	7	7.8	7.8	8.1	7.3	0.087	0.294	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/07/65-09/15/82	7	7.8	7.709	8.1	7.3	0.096	0.31	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/07/65-09/15/82	7	0.016	0.02	0.05	0.008	0.	0.015	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/07/65-07/28/77	4	100.5	94.75	107.	71.	268.25	16.378	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/07/65-07/28/77	4	122.5	115.5	131.	86.	416.333	20.404	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/29/66-07/28/77	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/07/65-07/28/77	7	170.	172.857	270.	120.	2490.476	49.905	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/07/65-07/28/77	4	79.5	77.5	85.	66.	67.	8.185	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/07/65-07/28/77	10	70.5	88.7	225.	26.	3483.344	59.02	26.9	50.75	123.5	216.5

** - 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: 3/15 to 6/30 - Station CUVA0192

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	08/28/67-07/28/77	7	58.	57.714	74.	45.	117.571	10.843	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	09/07/65-07/28/77	3	214.	187.667	225.	124.	3070.333	55.411	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/07/65-07/28/77	3	0.41	0.533	0.79	0.4	0.049	0.222	**	**	**	**

** - Less than 9 observations ## - Computed 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: CUVA0193

NPS Station ID: CUVA0193 | LAT/LON: 41.384448/ -81.527505 | Agency: 21OHIO | Date Created: 05/06/76
Location: TINKERS CREEK AT BEDFORD - S.R. 14 (RM 6.32) | FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 502220 /P0805
RMI-Indexes: 0603002 000230 | Within Park Boundary: No
RMI-Miles: 0016.36 0006.32
HUC: 04110002 | Depth of Water: 0 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER | ECO Region:
RF1 Index: 04110002001 | RF1 Mile Point: 16.890 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 04110002002100.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.01 | On/Off RF3:
Description:
PURPOSE - PWQMN STATION - TO MONITOR DOWNSTREAM OF MAJOR DISCHARGERS. (PRIMARILY BEDFORD HEIGHTS AND SOLON)
LOCATION - CUYAHOGA CO.; ON LEFT BANK ON DOWNSTREAM SIDE OF BRIDGE ON STATE HIGHWAY 14 IN BEDFORD.
RIVER MILE = 6.32

Parameter Inventory for Station: CUVA0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/24/75-06/18/81	33	11.2	10.573	24.8	0.	63.161	7.947	0.14	1.55	18.9	20.96
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/24/75-06/18/81	33	57.	89.364	340.	24.	6790.676	82.406	26.8	38.	96.	252.4
00065	STAGE, STREAM (FEET)	07/22/76-06/18/81	14	3.16	3.489	6.05	2.87	0.686	0.829	2.875	3.01	3.78	5.08
00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/24/75-11/18/76	12	7.55	13.283	62.	3.7	264.207	16.254	3.85	4.75	16.5	49.4
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/17/80	17	590.	570.353	900.	300.	26585.993	163.052	300.	437.5	698.	780.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/24/75-06/18/81	30	9.4	9.767	13.5	5.3	5.515	2.348	6.8	7.875	12.05	12.79
00310	BOD, 5 DAY, 20 DEG C MG/L	12/24/75-09/29/77	20	5.15	4.96	10.	2.	3.772	1.942	2.62	3.45	6.325	7.16
00335	COD, .025N K2CR2O7 MG/L	12/24/75-06/18/81	31	24.	25.977	78.3	12.	141.809	11.908	16.	19.	28.	38.4
00400	PH (STANDARD UNITS)	12/24/75-03/20/80	18	7.5	7.456	7.9	6.9	0.099	0.315	6.99	7.175	7.7	7.81
00400	CONVERTED PH (STANDARD UNITS)	12/24/75-03/20/80	18	7.5	7.344	7.9	6.9	0.112	0.335	6.99	7.175	7.7	7.81
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/24/75-03/20/80	18	0.032	0.045	0.126	0.013	0.001	0.035	0.016	0.02	0.067	0.103
00403	PH, LAB, STANDARD UNITS SU	06/24/76-06/18/81	15	7.7	7.687	8.	7.2	0.053	0.229	7.32	7.5	7.9	8.
00403	CONVERTED PH, LAB, STANDARD UNITS	06/24/76-06/18/81	15	7.7	7.627	8.	7.2	0.056	0.238	7.32	7.5	7.9	8.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-06/18/81	15	0.02	0.024	0.063	0.01	0.	0.014	0.01	0.013	0.032	0.049
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/24/75-09/30/76	4	120.	116.	153.	71.	1382.667	37.184	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/24/75-09/30/76	4	4.	5.75	14.	1.	32.917	5.737	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	12/24/75-10/20/76	11	508.	481.636	600.	332.	8484.655	92.112	334.4	402.	552.	598.4
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/24/75-12/20/79	26	443.	470.	871.	264.	19637.76	140.135	303.8	382.75	549.75	692.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/24/75-06/18/81	32	15.5	27.063	120.	5.	703.222	26.518	10.	10.	37.75	75.6
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	12/24/75-09/30/76	4	5.	3.875	5.	0.5	5.063	2.25	**	**	**	**
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	09/30/80-09/30/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/24/75-06/18/81	32	0.84	1.011	2.41	0.28	0.356	0.597	0.335	0.508	1.425	2.007
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/24/75-06/18/81	25	0.1	0.174	0.74	0.01	0.033	0.183	0.016	0.04	0.295	0.462
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/24/75-06/18/81	31	1.6	1.909	4.1	0.6	0.822	0.907	1.002	1.3	2.4	3.58
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/24/75-06/18/81	31	1.28	1.442	4.02	0.48	0.598	0.773	0.656	0.83	1.92	2.382
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	12/24/75-12/24/75	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/29/76-03/25/76	3	0.24	0.19	0.28	0.05	0.015	0.123	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/24/75-06/18/81	33	1.11	1.138	2.87	0.025	0.649	0.805	0.17	0.45	1.68	2.516
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/27/77-07/21/77	5	1.07	1.09	1.72	0.26	0.379	0.616	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/24/75-09/29/77	20	11.5	11.55	21.	1.	40.366	6.353	2.2	6.25	18.	19.9
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	12/24/75-06/18/80	13	0.01	0.01	0.01	0.005	0.	0.001	0.007	0.01	0.01	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

Parameter Inventory for Station: CUVA0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/24/75-06/18/81	24	228.5	253.667	685.	164.	10570.58	102.813	176.5	202.	275.5	325.5
00916	CALCIUM, TOTAL (MG/L AS CA)	12/24/75-09/30/76	4	72.	70.75	79.	60.	86.25	9.287	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	12/24/75-09/30/76	4	16.5	15.5	17.	12.	5.667	2.38	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	12/24/75-01/13/77	5	68.	89.8	153.	57.	1648.7	40.604	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	12/24/75-09/30/76	4	5.2	5.375	7.	4.1	1.683	1.297	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/24/75-06/18/81	24	102.	128.542	377.	71.	4578.868	67.667	73.5	89.75	141.25	227.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/24/75-09/30/76	4	94.5	96.	105.	90.	40.667	6.377	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/24/75-10/18/79	13	0.52	0.471	0.83	0.2	0.035	0.187	0.22	0.285	0.58	0.766
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/80-06/18/81	2	0.475	0.475	0.52	0.43	0.004	0.064	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/21/77-07/21/77	1	13.4	13.4	13.4	13.4	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	06/01/77-06/01/77	1	9.3	9.3	9.3	9.3	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	12/24/75-09/29/77	5	10.	8.	10.	0.	20.	4.472	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	12/24/75-09/29/77	5	200.	160.	200.	0.	8000.	89.443	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	12/24/75-06/18/81	14	5.	5.	10.	2.5	8.654	2.942	2.5	2.5	6.25	10.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	12/24/75-03/30/77	6	30.	36.333	68.	30.	240.667	15.513	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	12/24/75-06/18/81	25	30.	31.	80.	15.	220.833	14.86	15.	30.	30.	52.
01042	COPPER, TOTAL (UG/L AS CU)	12/24/75-06/18/81	18	30.	25.	30.	15.	52.941	7.276	15.	15.	30.	30.
01045	IRON, TOTAL (UG/L AS FE)	12/24/75-06/18/81	22	1040.	1816.818	12400.	600.	6197937.013	2489.566	618.	907.5	1487.5	3640.
01051	LEAD, TOTAL (UG/L AS PB)	12/24/75-06/18/81	24	10.	42.667	600.	2.5	14758.471	121.484	3.75	5.5	18.5	90.
01055	MANGANESE, TOTAL (UG/L AS MN)	12/24/75-09/29/77	4	145.	187.5	340.	120.	10625.	103.078	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	12/15/76-06/18/81	8 ##	75.	75.	100.	50.	714.286	26.726	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	12/24/75-09/30/76	4	30.	30.	30.	30.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	12/24/75-12/17/80	22	35.	101.136	630.	15.	28004.6	167.346	30.	30.	60.	467.
01147	SELENIUM, TOTAL (UG/L AS SE)	03/25/76-02/17/77	4	7.5	7.5	10.	5.	8.333	2.887	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/29/76-06/18/81	30	1800.	2794.6	15000.	68.	9881753.421	3143.526	246.	745.	4225.	6900.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/29/76-06/18/81	30	3.255	3.179	4.176	1.833	0.301	0.549	2.39	2.871	3.624	3.838
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1509.087								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/29/76-06/18/81	30	790.	2833.733	32000.	45.	42288454.34	6502.957	101.	322.5	1725.	9480.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/29/76-06/18/81	30	2.895	2.894	4.505	1.653	0.44	0.664	2.004	2.508	3.237	3.968
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			783.846								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	12/24/75-06/18/81	34	9.	45.147	560.	2.	14805.644	121.678	4.	6.	18.5	95.5
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	12/24/75-06/18/81	29	0.2	0.21	0.4	0.07	0.007	0.084	0.1	0.155	0.265	0.33
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/29/77-09/29/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/29/77-09/29/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/20/80-06/18/81	5	426.	479.	682.	375.	15223.	123.382	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	12/24/75-12/17/80	16	0.5	0.438	0.5	0.25	0.013	0.112	0.25	0.313	0.5	0.5

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

EPA Water Quality Criteria Analysis for Station: CUVA0193

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	12	1	0.08	4	0	0.00	4	1	0.25	4	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	30	0	0.00	9	0	0.00	11	0	0.00	10	0	0.00			
00400	PH	Other-Hi Lim.	9.	18	0	0.00	6	0	0.00	6	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	18	0	0.00	6	0	0.00	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 Station: CUVA0193

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Other-Hi Lim.	9.	15	0	0.00	3	0	0.00	5	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	15	0	0.00	3	0	0.00	5	0	0.00	7	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	25	0	0.00	8	0	0.00	9	0	0.00	8	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	31	0	0.00	10	0	0.00	10	0	0.00	11	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	13	0	0.00	4	0	0.00	4	0	0.00	5	0	0.00			
		Drinking Water	0.2	13	0	0.00	4	0	0.00	4	0	0.00	5	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	24	0	0.00	8	0	0.00	8	0	0.00	8	0	0.00			
		Drinking Water	250.	24	1	0.04	8	0	0.00	8	1	0.13	8	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	13	0	0.00	4	0	0.00	4	0	0.00	5	0	0.00			
00951	FLOURIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00							2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	50.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	14	8	0.57	5	3	0.60	4	3	0.75	5	2	0.40			
		Drinking Water	5.	14	8	0.57	5	3	0.60	4	3	0.75	5	2	0.40			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	6	6	1.00	1	1	1.00	2	2	1.00	3	3	1.00			
		Drinking Water	100.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	25	0	0.00	7	0	0.00	8	0	0.00	10	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	18	12	0.67	5	3	0.60	6	5	0.83	7	4	0.57			
		Drinking Water	1300.	18	0	0.00	5	0	0.00	6	0	0.00	7	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	24	2	0.08	7	0	0.00	8	2	0.25	9	0	0.00			
		Drinking Water	15.	24	6	0.25	7	2	0.29	8	3	0.38	9	1	0.11			
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	100.	8	4	0.50	2	1	0.50	3	3	1.00	3	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	4	4	1.00	1	1	1.00	1	1	1.00	2	2	1.00			
		Drinking Water	100.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	22	3	0.14	5	1	0.20	8	1	0.13	9	1	0.11			
		Drinking Water	5000.	22	0	0.00	5	0	0.00	8	0	0.00	9	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	50.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	30	28	0.93	10	9	0.90	8	8	1.00	12	11	0.92			
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									
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	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									
39782	LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	16	0	0.00	5	0	0.00	6	0	0.00	5	0	0.00			
		Drinking Water	2.	16	0	0.00	5	0	0.00	6	0	0.00	5	0	0.00			

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

Station Inventory for Station: CUVA0194

NPS Station ID: CUVA0194 LAT/LON: 41.384726/ -81.491392 Agency: 21OHIO Date Created: 08/09/80
Location: HAWTHORNE CREEK JUST DST BEDFORD HTS. WWTP FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01P54
RMI-Indexes: 0603002 000230 00200 Within Park Boundary: No
RMI-Miles: 0016.36 0007.83 000.10
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110001000903.55 RF3 Mile Point: 3.54 Distance from RF3: 0.01 On/Off RF3:
Description:
PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS LOCATION-CUYAHOGA COUNTY HAWTHORN CREEK BL BEDFORD HTS STP S OF CITY
RMI=1187.93/16.36/7.83/0.10 COLLECTION-OHIO EPA NORTHEAST DISTRICT OFFICE
WATER USE DESIGNATION AS OF 03/25/80-WWH

Parameter Inventory for Station: CUVA0194

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/91-08/29/91	3	23.5	24.467	26.4	23.5	2.803	1.674	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/10/91-08/29/91	3	757.	801.333	890.	757.	5896.333	76.788	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/10/91-08/29/91	3	7.3	7.333	8.	6.7	0.423	0.651	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	08/04/76-08/29/91	4	38.5	37.25	40.	32.	12.917	3.594	**	**	**	**
00400	PH (STANDARD UNITS)	07/10/91-08/29/91	3	7.2	7.233	7.3	7.2	0.003	0.058	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/10/91-08/29/91	3	7.2	7.231	7.3	7.2	0.003	0.058	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/91-08/29/91	3	0.063	0.059	0.063	0.05	0.	0.007	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/04/76-08/04/76	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/04/76-08/04/76	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/04/76-08/04/76	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	08/04/76-07/30/91	2	553.	553.	600.	506.	4418.	66.468	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/04/76-08/04/76	1	553.	553.	553.	553.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/04/76-08/29/91	5 ##	2.5	3.	5.	2.5	1.25	1.118	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/76-08/29/91	7	0.16	1.484	7.83	0.025	8.329	2.886	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/76-08/29/91	6	0.105	0.093	0.19	0.01	0.005	0.068	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/10/91-08/29/91	5	2.2	2.	2.3	1.5	0.14	0.374	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/07/76-08/29/91	6	15.	15.068	16.41	14.2	0.544	0.738	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/13/76-08/29/91	4	0.19	0.2	0.32	0.1	0.009	0.094	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	03/07/76-08/04/76	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/07/76-08/29/91	6	161.5	168.5	194.	158.	198.3	14.082	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/10/91-08/29/91	5	46.	46.6	49.	45.	2.3	1.517	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/10/91-08/29/91	5	11.	11.4	13.	11.	0.8	0.894	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/10/91-08/29/91	3	112.	113.667	119.	110.	22.333	4.726	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/07/76-08/29/91	7 ##	0.1	0.814	2.5	0.1	1.331	1.154	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	03/07/76-10/13/76	2 ##	1807.5	1807.5	3600.	15.	6426112.5	2534.978	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/07/76-08/29/91	7 ##	15.	599.286	4080.	15.	2355853.571	1534.879	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/07/76-08/29/91	8 ##	15.	11.875	20.	5.	35.268	5.939	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/13/76-08/29/91	4	160.	165.	230.	110.	3033.333	55.076	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/07/76-08/29/91	8 ##	3.	5.5	15.	1.	37.429	6.118	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/10/91-08/29/91	5 ##	20.	26.	50.	20.	180.	13.416	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/07/76-08/29/91	7	75.	125.	240.	40.	7808.333	88.365	**	**	**	**

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

Parameter Inventory for Station: CUVA0194

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	07/16/91-08/13/91	2	800.	800.	1100.	500.	180000.	424.264	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/16/91-08/13/91	2	2.87	2.87	3.041	2.699	0.059	0.242	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			741.62								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	03/07/76-10/13/76	2	10.	10.	11.	9.	2.	1.414	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	03/07/76-10/13/76	2	0.455	0.455	0.63	0.28	0.061	0.247	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/10/91-08/29/91	5	502.	408.4	512.	34.	43902.8	209.53	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/07/76-08/04/76	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/30/91-07/31/91	2	9.9	9.9	11.	8.8	2.42	1.556	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0194

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	3	0	0.00	3	0	0.00									
00400	PH	Other-Hi Lim.	9.	3	0	0.00	3	0	0.00									
		Other-Lo Lim.	6.5	3	0	0.00	3	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00	5	0	0.00	1	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	6	6	1.00	5	5	1.00	1	1	1.00						
00720	CYANIDE, TOTAL	Fresh Acute	0.022	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	0.2	2	0	0.00	1	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	3	0	0.00									
		Drinking Water	250.	3	0	0.00	3	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	7	0	0.00	6	0	0.00	1	0	0.00						
		Drinking Water	5.	7	0	0.00	6	0	0.00	1	0	0.00						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	2	1	0.50	1	0	0.00	1	1	1.00						
		Drinking Water	100.	2	1	0.50	1	0	0.00	1	1	1.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	7	1	0.14	6	0	0.00	1	1	1.00						
01042	COPPER, TOTAL	Fresh Acute	18.	8	1	0.13	7	1	0.14	1	0	0.00						
		Drinking Water	1300.	8	0	0.00	7	0	0.00	1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	7	0	0.00	1	0	0.00						
		Drinking Water	15.	7 &	1	0.14	6	1	0.17	1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	7	3	0.43	6	2	0.33	1	1	1.00						
		Drinking Water	5000.	7	0	0.00	6	0	0.00	1	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	2	1.00	2	2	1.00									
71900	MERCURY, TOTAL	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						

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

Station Inventory for Station: CUVA0195

NPS Station ID: CUVA0195
LAT/LON: 41.385281/ -81.583338
Agency: 12OHDO
Date Created: / /
Location: MAPLE HEIGHTS STP INFLUENT
FIPS State/County: 39000 OHIO/
Station Type: /TYPA/MUN/NTRTMT/INTAKE/ESTURY
STORET Station ID(s): 390513
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04110002
Depth of Water: 999
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA R,OHIO CANAL,SWAN CREEK
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 14.670
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 04110001000600.00
RF3 Mile Point: 0.40
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0195

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/14/75-01/15/75	11	12.5	12.727	14.	12.	0.468	0.684	12.	12.	13.5	13.9

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

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

Station Inventory for Station: CUVA0196

NPS Station ID: CUVA0196 LAT/LON: 41.385837/ -81.563615 Agency: 21OHIO Date Created: 09/29/84
Location: WOOD CREEK DST BEDFORD WWTP (RM 1.20) FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S37
RMI-Indexes: 0603002 000230 00090 Within Park Boundary: No
RMI-Miles: 0016.36 0002.44 001.20
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 14.670 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002065600.00 RF3 Mile Point: 0.20 Distance from RF3: 0.01 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER AND ITS MAJOR TRIBUTARIES.
LOCATION - CUYAHOGA CO.; LOCATED JUST DOWNSTREAM FROM THE BEDFORD WWTP OUTFALL.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0196

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/84-10/02/84	4	18.75	18.25	22.	13.5	12.417	3.524	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/84-10/02/84	4	630.	664.25	857.	540.	20712.25	143.918	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/84-10/02/84	4	714.	718.5	815.	631.	5736.333	75.739	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/26/84-10/02/84	4	8.45	8.5	9.2	7.9	0.327	0.572	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/08/84-10/02/84	3	3.	3.9	6.6	2.1	5.67	2.381	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	08/08/84-08/08/84	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/26/84-10/02/84	4	7.525	7.488	7.6	7.3	0.021	0.144	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/84-10/02/84	4	7.519	7.469	7.6	7.3	0.021	0.145	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/84-10/02/84	4	0.03	0.034	0.05	0.025	0.	0.012	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/26/84-10/02/84	4 ##	4.25	4.75	8.	2.5	7.417	2.723	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/26/84-10/02/84	4	0.46	0.44	0.64	0.2	0.033	0.181	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/08/84-10/02/84	3	0.06	0.05	0.06	0.03	0.	0.017	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/26/84-10/02/84	4	1.75	1.95	2.7	1.6	0.257	0.507	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/26/84-10/02/84	4	11.1	10.2	12.3	6.3	7.887	2.808	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/84-10/02/84	4	0.85	0.85	1.04	0.66	0.026	0.16	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/84-10/02/84	4	185.5	192.	226.	171.	560.667	23.678	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/84-10/02/84	4	50.95	53.425	63.5	48.3	47.889	6.92	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/84-10/02/84	4	14.05	14.225	16.5	12.3	3.583	1.893	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/26/84-10/02/84	4	0.35	0.325	0.5	0.1	0.029	0.171	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/26/84-10/02/84	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/26/84-10/02/84	4	25.	27.5	35.	25.	25.	5.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/26/84-10/02/84	4	385.	477.5	850.	290.	63691.667	252.372	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/26/84-10/02/84	4	11.	12.5	22.	6.	56.333	7.506	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/26/84-10/02/84	4 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/26/84-10/02/84	4	22.5	21.25	25.	15.	22.917	4.787	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/26/84-10/02/84	4	455.	458.	530.	392.	3298.667	57.434	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0196

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	4	0	0.00	4	0	0.00									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	3	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	3	0.75	4	3	0.75									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00	4	0	0.00									
		Drinking Water	5.	4	0	0.00	4	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	4	4	1.00	4	4	1.00									
		Drinking Water	1300.	4	0	0.00	4	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	4	0	0.00									
		Drinking Water	15.	4	2	0.50	4	2	0.50									
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	4	0	0.00									
		Drinking Water	100.	4	0	0.00	4	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	4	0	0.00	4	0	0.00									
		Drinking Water	5000.	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: CUVA0197

NPS Station ID: CUVA0197 LAT/LON: 41.388059/ -81.560559 Agency: 21OHIO Date Created: 09/29/84
Location: WOOD CREEK UPST BEDFORD WWTP (RM 1.45) FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S38
RMI-Indexes: 0603002 000230 00090 Within Park Boundary: No
RMI-Miles: 0016.36 0002.44 001.45
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 14.670 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002065600.00 RF3 Mile Point: 1.38 Distance from RF3: 0.01 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER AND ITS MAJOR TRIBUTARIES.
LOCATION - CUYAHOGA CO.; LOCATED JUST UPSTREAM FROM THE BEDFORD WWTP OUTFALL.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/84-10/02/84	4	17.	16.	20.	10.	18.167	4.262	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/84-10/02/84	4	708.	702.75	925.	470.	53356.917	230.991	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/84-10/02/84	4	807.5	785.25	981.	545.	44946.917	212.007	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/26/84-10/02/84	4	8.6	8.4	9.4	7.	1.12	1.058	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	08/08/84-08/08/84	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/26/84-10/02/84	4	7.75	7.75	7.9	7.6	0.017	0.129	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/84-10/02/84	4	7.747	7.736	7.9	7.6	0.017	0.13	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/84-10/02/84	4	0.018	0.018	0.025	0.013	0.	0.005	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/26/84-10/02/84	4	0.06	0.064	0.11	0.025	0.001	0.036	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/08/84-10/02/84	3	0.06	0.053	0.06	0.04	0.	0.012	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/26/84-10/02/84	4	0.35	0.35	0.5	0.2	0.017	0.129	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/26/84-10/02/84	4	0.55	0.545	0.88	0.2	0.079	0.281	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/26/84-10/02/84	4	0.08	0.098	0.17	0.06	0.002	0.05	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/84-10/02/84	4	242.5	269.	424.	167.	13206.	114.917	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/26/84-10/02/84	4	73.95	77.725	113.	50.	684.836	26.169	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/26/84-10/02/84	4	23.15	22.775	34.5	10.3	103.596	10.178	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/26/84-10/02/84	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/26/84-10/02/84	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/26/84-10/02/84	4 ##	7.5	8.75	15.	5.	22.917	4.787	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/26/84-10/02/84	4	225.	285.	520.	170.	26033.333	161.348	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/26/84-10/02/84	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/26/84-10/02/84	4 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/26/84-10/02/84	4 ##	5.	7.5	15.	5.	25.	5.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0197

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	4	0	0.00	4	0	0.00									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	3	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	0	0.00	4	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00	4	0	0.00									
		Drinking Water	5.	4	0	0.00	4	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	4	0	0.00	4	0	0.00									
		Drinking Water	1300.	4	0	0.00	4	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	4	0	0.00									
		Drinking Water	15.	4	0	0.00	4	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	4	0	0.00									
		Drinking Water	100.	4	0	0.00	4	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	4	0	0.00	4	0	0.00									
		Drinking Water	5000.	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: CUVA0198

NPS Station ID: CUVA0198
LAT/LON: 41.390281/ -81.625005
Agency: 112WRD
Date Created: / /
Location: OHIO CA AT INDEPENDENCE OH
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 04207500
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 11.530
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 04110002002102.36
RF3 Mile Point: 4.77
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0198

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/66-07/28/77	30	15.	14.61	26.	1.	71.208	8.438	2.	7.375	22.975	24.45
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/22/74-07/28/77	7	21.	17.571	27.	3.	87.536	9.356	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	09/07/65-08/24/71	21	78.	73.905	97.	26.	232.49	15.248	54.	67.	82.	92.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/12/71-07/28/77	22	61.5	62.955	92.	37.	201.379	14.191	39.5	55.	71.5	85.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/07/65-07/28/77	41	846.	898.098	1770.	429.	127243.89	356.713	511.2	598.	1055.	1598.
00300	OXYGEN, DISSOLVED MG/L	08/22/74-07/28/77	7	8.1	8.314	11.2	5.8	4.101	2.025	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/22/74-07/28/77	7	83.	85.857	110.	68.	181.143	13.459	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/75-07/28/77	5	4.1	3.54	4.7	1.7	1.508	1.228	**	**	**	**
00400	PH (STANDARD UNITS)	09/07/65-07/28/77	27	7.5	7.581	8.5	6.8	0.232	0.482	6.9	7.3	7.9	8.3
00400	CONVERTED PH (STANDARD UNITS)	09/07/65-07/28/77	27	7.5	7.348	8.5	6.8	0.289	0.537	6.9	7.3	7.9	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/07/65-07/28/77	27	0.032	0.045	0.158	0.003	0.002	0.046	0.005	0.013	0.05	0.126
00405	CARBON DIOXIDE (MG/L AS CO2)	10/20/72-07/28/77	10	7.	6.62	13.	1.	18.953	4.353	1.03	1.75	9.825	12.9
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/07/65-07/28/77	16	135.	124.563	167.	78.	678.396	26.046	79.4	107.	142.75	155.1
00440	BICARBONATE ION (MG/L AS HCO3)	09/07/65-07/28/77	17	165.	152.118	187.	95.	887.11	29.784	97.4	133.	176.	183.8
00445	CARBONATE ION (MG/L AS CO3)	08/29/66-07/28/77	15	0.	0.667	8.	0.	4.381	2.093	0.	0.	0.	4.4
00500	RESIDUE, TOTAL (MG/L)	09/13/73-09/13/73	1	671.	671.	671.	671.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/22/74-07/28/77	7	0.55	0.61	1.4	0.09	0.172	0.415	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/13/73-07/28/77	11	0.05	0.141	0.72	0.005	0.05	0.224	0.005	0.005	0.16	0.654
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/17/72-06/15/73	6	2.8	2.733	3.5	1.7	0.535	0.731	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/13/73-07/28/77	11	2.4	2.519	6.	0.59	2.514	1.586	0.616	1.1	3.5	5.52
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/13/73-07/28/77	11	2.9	2.655	6.	0.65	2.441	1.562	0.692	1.1	3.5	5.52
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/20/72-07/28/77	9	0.39	0.42	0.96	0.12	0.066	0.257	0.12	0.19	0.54	0.96
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/13/75-07/28/77	5	7.4	7.5	10.	5.	4.66	2.159	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/07/65-07/28/77	25	230.	220.32	310.	150.	1944.56	44.097	166.	185.	242.	300.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/07/65-07/28/77	16	110.	110.313	166.	67.	1072.896	32.755	71.2	81.25	129.5	165.3
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/22/74-07/28/77	9	54.	58.222	74.	43.	133.444	11.552	43.	48.5	70.5	74.
00916	CALCIUM, TOTAL (MG/L AS CA)	09/13/73-09/13/73	1	58.	58.	58.	58.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/22/74-07/28/77	9	13.	13.4	18.	9.6	8.14	2.853	9.6	10.5	15.5	18.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/13/73-09/13/73	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/22/74-07/28/77	7	69.	78.714	140.	35.	1733.905	41.64	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/22/74-07/28/77	7	2.	2.314	3.8	1.3	1.025	1.012	**	**	**	**
00932	SODIUM, PERCENT	08/22/74-07/28/77	7	39.	42.143	53.	34.	68.476	8.275	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/22/74-07/28/77	7	5.1	4.586	6.1	2.5	1.901	1.379	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/07/65-07/28/77	36	120.	139.556	322.	52.	5497.568	74.146	68.2	82.25	178.	286.
00945	SULFATE, TOTAL (MG/L AS SO4)	08/29/66-07/28/77	26	100.	107.077	176.	62.	1031.754	32.121	66.4	81.5	124.	164.8
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/25/70-07/28/77	10	0.3	0.32	0.6	0.2	0.02	0.14	0.2	0.2	0.425	0.59
00951	FLUORIDE, TOTAL (MG/L AS F)	09/13/73-09/13/73	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/22/74-07/28/77	7	9.3	7.629	9.9	4.	6.719	2.592	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: CUVA0198

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01002	ARSENIC, TOTAL (UG/L AS AS)	08/13/75-07/28/77	5	3.	2.7	4.	0.5	1.7	1.304	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/13/75-07/28/77	5 ##	10.	12.	20.	10.	20.	4.472	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/13/75-07/28/77	5 ##	10.	10.	14.	6.	8.	2.828	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/22/74-07/28/77	7	30.	50.714	100.	5.	1653.571	40.664	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/13/75-07/28/77	5	5.	7.	12.	4.	11.5	3.391	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/22/74-07/28/77	7	80.	101.429	160.	50.	2080.952	45.617	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/13/75-07/28/77	5	40.	38.	50.	30.	70.	8.367	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/07/65-10/20/72	8	635.	734.25	1080.	514.	53810.786	231.972	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/22/74-07/28/77	7	442.	446.286	676.	269.	23722.238	154.02	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	09/07/65-07/28/77	14	93.9	96.6	203.	33.8	3189.026	56.471	34.7	47.325	131.5	200.5
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/07/65-07/28/77	14	0.735	0.78	1.47	0.37	0.097	0.312	0.385	0.565	0.923	1.39
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/03/69-06/15/73	12	13.	13.883	34.	7.1	50.729	7.122	7.25	8.675	15.	28.9
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	09/25/70-10/20/72	3	3.	2.15	3.4	0.05	3.348	1.83	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/13/75-07/28/77	5 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0198

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	7	0	0.00	4	0	0.00				3	0	0.00			
00400	PH	Other-Hi Lim.	9.	27	0	0.00	15	0	0.00	6	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	27	0	0.00	15	0	0.00	6	0	0.00	6	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	11	0	0.00	5	0	0.00	2	0	0.00	4	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	6	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	11	0	0.00	5	0	0.00	2	0	0.00	4	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	5	0	0.00	2	0	0.00	4	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	36	0	0.00	17	0	0.00	10	0	0.00	9	0	0.00			
		Drinking Water	250.	36	4	0.11	17	4	0.24	10	0	0.00	9	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	26	0	0.00	14	0	0.00	6	0	0.00	6	0	0.00			
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	10	0	0.00	7	0	0.00				3	0	0.00			
00951	FLOURIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00	1	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			
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	0	0.00	3	0	0.00				2	0	0.00			
		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.	5	0	0.00	3	0	0.00				2	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			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	12	0	0.00	6	0	0.00	4	0	0.00	2	0	0.00			
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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0198

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/66-07/28/77	14	23.15	21.521	26.	9.5	18.322	4.28	13.5	19.375	24.125	25.75
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/07/65-07/28/77	19	990.	1058.895	1770.	429.	140558.877	374.912	584.	816.	1220.	1700.
00400	PH (STANDARD UNITS)	09/07/65-07/28/77	15	7.4	7.427	8.5	6.8	0.268	0.518	6.86	6.9	7.7	8.38
00400	CONVERTED PH (STANDARD UNITS)	09/07/65-07/28/77	15	7.4	7.208	8.5	6.8	0.319	0.565	6.86	6.9	7.7	8.38
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/07/65-07/28/77	15	0.04	0.062	0.158	0.003	0.003	0.054	0.004	0.02	0.126	0.139
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/07/65-07/28/77	12	138.	136.	167.	105.	279.636	16.722	107.4	124.5	146.25	161.9
00440	BICARBONATE ION (MG/L AS HCO3)	09/07/65-07/28/77	13	168.	165.077	187.	128.	308.41	17.562	132.	154.	177.5	185.4
00445	CARBONATE ION (MG/L AS CO3)	08/29/66-07/28/77	11	0.	0.909	8.	0.	5.891	2.427	0.	0.	0.	6.8
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/07/65-07/28/77	14	240.	247.	310.	190.	1305.077	36.126	195.	227.5	270.	305.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/07/65-07/28/77	12	116.5	121.75	166.	73.	878.932	29.647	78.7	99.5	152.75	165.7
00940	CHLORIDE,TOTAL IN WATER MG/L	09/07/65-07/28/77	17	150.	178.294	322.	56.	6670.346	81.672	81.6	120.	255.	304.4
00945	SULFATE, TOTAL (MG/L AS SO4)	08/29/66-07/28/77	14	121.	126.857	176.	90.	841.824	29.014	93.5	99.75	152.5	176.
70302	SOLIDS, DISSOLVED-TONS PER DAY	09/07/65-07/28/77	11	106.	112.218	203.	45.3	2880.53	53.671	45.84	61.3	145.	202.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/07/65-07/28/77	11	0.78	0.881	1.47	0.6	0.074	0.271	0.62	0.71	0.93	1.438

** - Less than 9 observations ## - Computed 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: 11/01 to 3/14 - Station CUVA0198

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/66-07/28/77	9	3.5	4.444	12.	1.	13.715	3.703	1.	1.5	7.25	12.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/07/65-07/28/77	12	738.5	840.583	1590.	505.	99357.72	315.211	520.9	607.5	1021.75	1449.
00400	PH (STANDARD UNITS)	09/07/65-07/28/77	6	7.95	7.817	8.3	7.1	0.194	0.44	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/07/65-07/28/77	6	7.947	7.612	8.3	7.1	0.244	0.494	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/07/65-07/28/77	6	0.011	0.024	0.079	0.005	0.001	0.029	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/07/65-07/28/77	5	200.	202.	230.	170.	770.	27.749	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/07/65-07/28/77	10	89.	116.5	220.	74.	2625.167	51.236	74.2	77.5	157.5	216.
00945	SULFATE, TOTAL (MG/L AS SO4)	08/29/66-07/28/77	6	95.5	94.333	110.	73.	228.267	15.108	**	**	**	**

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0198

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/66-07/28/77	7	13.5	13.857	22.	9.	19.06	4.366	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/07/65-07/28/77	10	583.	661.6	1120.	484.	41832.933	204.531	484.1	523.25	783.25	1097.2
00400	PH (STANDARD UNITS)	09/07/65-07/28/77	6	7.7	7.733	8.2	7.4	0.099	0.314	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/07/65-07/28/77	6	7.655	7.649	8.2	7.4	0.107	0.327	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/07/65-07/28/77	6	0.022	0.022	0.04	0.006	0.	0.014	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/07/65-07/28/77	4	84.5	90.25	114.	78.	273.583	16.54	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/07/65-07/28/77	4	103.	110.	139.	95.	404.667	20.116	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/29/66-07/28/77	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/07/65-07/28/77	6	170.	173.333	200.	150.	346.667	18.619	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/07/65-07/28/77	4	77.5	76.	82.	67.	48.667	6.976	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/07/65-07/28/77	9	83.	92.	172.	52.	1360.25	36.882	52.	67.	115.	172.
00945	SULFATE, TOTAL (MG/L AS SO4)	08/29/66-07/28/77	6	73.	73.667	89.	62.	111.867	10.577	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	09/07/65-07/28/77	3	35.6	39.333	48.6	33.8	65.213	8.075	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/07/65-07/28/77	3	0.4	0.41	0.46	0.37	0.002	0.046	**	**	**	**

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

Station Inventory for Station: CUVA0199

NPS Station ID: CUVA0199 | LAT/LON: 41.394421/ -81.629532 | Agency: 11NPSWRD | Date Created: 03/11/95
Location: ROCKSIDE ROAD BRIDGE | FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): CUVA_RORO
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002 | Depth of Water: 0 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER | ECO Region:
RF1 Index: 04110002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 05040001065800.00 | RF3 Mile Point: 1.51 | Distance from RF3: 0.22 | On/Off RF3:
Description:
STATION IS LOCATED AT THE ROCKSIDE ROAD BRIDGE CROSSING OVER THE CUYAHOGA RIVER.
STATION IS THE RESPONSIBILITY OF CUYAHOGA VALLEY NATIONAL RECREATION AREA - 15610 VAUGHN ROAD - BRECKSVILLE OHIO 44141.

Parameter Inventory for Station: CUVA0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/90-09/22/91	220	20.	18.311	26.	8.	20.509	4.529	11.	15.	22.	23.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/90-09/22/91	225	1100.	6294.556	133000.	0.	318047324.409	17833.881	189.	385.	3650.	17000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/02/90-09/22/91	225	3.041	3.106	5.124	0.	0.552	0.743	2.276	2.585	3.562	4.23
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1276.638								
31648	E. COLI - MTEC-MF N0/100ML	04/02/90-09/22/91	219	540.	3313.566	78000.	0.	85301016.889	9235.855	100.	180.	2100.	7700.
31648	LOG E. COLI - MTEC-MF N0/1	04/02/90-09/22/91	219	2.732	2.803	4.892	0.	0.646	0.804	2.	2.255	3.322	3.886
31648	GM E. COLI - MTEC-MF N0/10	GEOMETRIC MEAN =			635.5								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/03/90-09/22/91	220	18.7	47.189	785.	0.5	8583.297	92.646	7.81	11.3	40.25	99.9
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/02/90-09/22/91	172	0.	0.104	2.3	0.	0.087	0.295	0.	0.	0.04	0.378

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

EPA Water Quality Criteria Analysis for Station: CUVA0199

				Total	Exceed	Prop.	----------7/01-10/31----------			----------11/01-3/14----------			----------3/15-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	225	202	0.90	117	108	0.92	1	1	1.00	107	93	0.87			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	219	186	0.85	116	99	0.85	1	1	1.00	102	86	0.84			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	220	45	0.20	114	29	0.25	1	0	0.00	105	16	0.15			

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

Station Inventory for Station: CUVA0200

NPS Station ID: CUVA0200
LAT/LON: 41.394448/ -81.629449
Agency: 21OHCLEV
Date Created: / /
Location: ROCKSIDE ROAD BRIDGE
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 701812
RMI-Indexes: 0606002
Within Park Boundary: Yes
RMI-Miles: 0014.80
HUC: 04110002
Depth of Water: 999
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 10.880
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 04110002000106.17
RF3 Mile Point: 6.17
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/11/71-09/14/72	14	31.65	38.843	67.4	23.4	217.75	14.756	26.	28.9	54.025	65.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/11/71-09/14/72	14	14.4	14.664	22.4	8.8	10.652	3.264	10.25	12.75	16.3	20.4
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/11/71-09/14/72	14	84.5	137.829	714.	46.	29289.531	171.142	47.3	55.4	148.25	440.5
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/11/71-09/14/72	14	4.05	6.621	23.8	2.7	30.937	5.562	2.85	3.6	8.35	17.2

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

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

Station Inventory for Station: CUVA0201

NPS Station ID: CUVA0201
LAT/LON: 41.395003/ -81.629170
Agency: 11COEBUF
Date Created: / /
Location: CUYAHOGA R. AT INDEPENDENCE,OHIO
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 393305
RMI-Indexes: 0603002
Within Park Boundary: No
RMI-Miles: 0013.50
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: CENTRAL BASIN OF L. ERIE
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 10.880
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 04110002000100.20
RF3 Mile Point: 6.78
Distance from RF3: 0.04
On/Off RF3:
Description:
PURPOSE- MEASURE IN-STREAM WATER QUALITY TO DEVELOP MATERIAL LOADINGS TO LAKE ERIE FOR THE CORPS OF ENGINEERS LAKE ERIE WASTEWATER MANAGEMENT STUDY. LOCATION- CUYAHOGA COUNTY,13.5 MILES UPSTREAM FROM THE MOUTH OF THE CUYAHOGA RIVER AT THE USGS GAGING STATION ON THE RIGHT

Parameter Inventory for Station: CUVA0201

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: CUVA0202

NPS Station ID: CUVA0202
LAT/LON: 41.395281/ -81.630003
Agency: 112WRD
Date Created: / /
Location: CUYAHOGA R AT INDEPENDENCE OH
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 04208000
RMI-Indexes: 0603002
Within Park Boundary: No
RMI-Miles: 0013.70
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 10.880
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 04110002000100.20
RF3 Mile Point: 2.33
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	390	15.	14.609	30.	0.4	62.601	7.912	3.	7.45	22.	24.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/15/74-12/15/94	109	14.5	13.33	34.	-15.	136.173	11.669	2.	5.5	24.	28.5
00025	BAROMETRIC PRESSURE (MM OF HG)	11/09/82-12/15/94	48	746.	745.333	760.	728.	60.823	7.799	735.	740.	751.	755.1
00060p	FLOW, STREAM, MEAN DAILY CFS	12/13/59-12/30/89	170	790.	1560.859	12200.	115.	4612469.246	2147.666	210.	353.	1630.	4215.
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	1124	718.	1230.885	14000.	104.	2304206.095	1517.961	230.	405.	1360.	2800.
00064	DEPTH OF STREAM, MEAN (FT)	07/02/81-09/15/92	76	4.	3.762	6.	1.	2.148	1.466	1.5	2.9	4.95	5.7
00065	STAGE, STREAM (FEET)	07/02/81-12/15/94	111	2.88	3.594	11.52	2.18	2.162	1.47	2.47	2.77	4.41	5.84
00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/10/74-04/05/78	15	10.	40.133	200.	2.	3793.981	61.595	2.6	6.	70.	170.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/09/78-12/15/94	81	6.6	20.831	450.	0.3	2944.715	54.265	1.42	3.8	19.5	53.8
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	373	770.	821.475	2360.	297.	98697.245	314.161	476.	590.	1022.	1232.
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	212	9.4	9.408	14.	3.8	3.56	1.887	7.33	8.	10.7	11.8
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/21/64-09/15/82	75	83.	82.36	102.	43.	129.152	11.365	66.6	75.	90.	100.
00310	BOD, 5 DAY, 20 DEG C MG/L	02/06/74-02/06/74	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00320	BOD, ULTIMATE 1ST STAGE, 20 DEG C MG/L	09/14/82-09/15/82	5	10.	11.02	15.	7.4	11.062	3.326	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	04/05/78-04/05/78	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	08/09/78-03/02/82	28	33.5	35.429	73.	5.	224.18	14.973	15.2	29.5	43.5	58.3
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	344	7.8	7.712	8.6	6.3	0.193	0.44	7.	7.5	8.	8.205
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	344	7.8	7.457	8.6	6.3	0.259	0.509	7.	7.5	8.	8.205
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	344	0.016	0.035	0.501	0.003	0.003	0.051	0.006	0.01	0.032	0.1
00403	PH, LAB, STANDARD UNITS SU	10/15/80-12/15/94	62	7.8	7.813	8.5	7.3	0.058	0.241	7.5	7.675	7.9	8.17
00403	CONVERTED PH, LAB, STANDARD UNITS	10/15/80-12/15/94	62	7.8	7.754	8.5	7.3	0.061	0.248	7.5	7.675	7.9	8.17
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/15/80-12/15/94	62	0.016	0.018	0.05	0.003	0.	0.009	0.007	0.013	0.021	0.032
00405	CARBON DIOXIDE (MG/L AS CO2)	02/08/72-04/05/78	59	3.8	8.797	114.	0.8	236.373	15.374	1.4	2.2	11.	18.
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	222	113.5	113.378	287.	52.	965.693	31.076	73.	90.	133.	151.
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/05/90-06/05/90	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	09/21/64-08/19/87	165	132.	133.473	284.	64.	1172.348	34.24	88.	110.	159.	174.
00445p	CARBONATE ION (MG/L AS CO3)	09/21/64-12/11/90	170	0.	0.206	5.	0.	0.638	0.799	0.	0.	0.	0.
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	12/21/88-03/16/94	22	0.	0.727	12.	0.	6.684	2.585	0.	0.	0.	2.
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	12/21/88-09/20/94	23	147.	149.087	200.	95.	913.174	30.219	105.2	129.	178.	188.6
00500	RESIDUE, TOTAL (MG/L)	08/15/73-06/19/74	20	691.5	737.95	1480.	136.	101858.155	319.152	355.	480.	947.5	1192.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/05/91-09/03/93	18	288.	258.667	542.	38.	21589.059	146.932	55.1	101.75	344.	452.
00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	09/11/74-09/09/80	8	4.135	14.032	80.2	0.709	726.872	26.961	**	**	**	**
00573	BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)	03/12/75-09/09/80	7	5.98	17.03	80.9	0.95	828.118	28.777	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	01/10/74-08/12/81	57	3.7	3.739	7.5	1.7	1.717	1.311	2.08	3.	4.4	5.84
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/03/79-08/12/81	17	3.1	3.306	5.7	1.	1.607	1.268	1.8	2.15	4.35	5.06
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/06/74-11/19/85	32	0.9	0.924	3.5	0.	0.392	0.626	0.09	0.603	1.275	1.4
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/03/79-08/12/81	17	0.44	0.601	1.8	0.	0.223	0.473	0.08	0.325	0.8	1.56
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/03/79-12/15/94	70	0.225	0.553	3.3	0.005	0.642	0.801	0.03	0.08	0.565	1.79

** - 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 time series plot

Parameter Inventory for Station: CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/06/74-12/08/92	65	0.26	0.681	4.	0.005	0.916	0.957	0.036	0.115	0.855	2.34
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/19/85-12/15/94	35	0.03	0.043	0.14	0.005	0.001	0.028	0.02	0.02	0.06	0.078
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/73-12/08/92	42 ##	0.005	0.017	0.07	0.005	0.	0.019	0.005	0.005	0.025	0.05
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/12/71-11/19/85	45	2.7	3.118	9.8	1.	3.	1.732	1.6	1.9	3.8	5.
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/15/73-09/11/74	31	2.4	2.695	5.2	0.26	1.871	1.368	1.08	1.5	3.9	4.68
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/12/77-08/12/81	33	1.6	1.786	4.2	0.31	1.048	1.024	0.592	0.92	2.5	3.6
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	02/16/78-08/12/81	30	0.27	0.32	1.2	0.	0.105	0.324	0.	0.	0.425	0.887
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	2823	0.82	1.02	39.1	0.1	0.992	0.996	0.544	0.67	1.1	1.6
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/73-12/08/92	94	2.1	2.257	5.2	0.26	1.252	1.119	1.	1.4	2.725	4.25
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/03/79-12/15/94	2780	2.	2.371	9.4	0.05	2.096	1.448	0.9	1.3	3.3	4.4
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/08/79-06/14/79	2	0.83	0.83	0.89	0.77	0.007	0.085	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/28/81-02/15/83	8	0.595	0.567	0.71	0.31	0.017	0.13	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	2830	0.15	0.273	133.	0.005	6.3	2.51	0.081	0.11	0.241	0.42
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/12/77-12/15/94	86	0.12	0.147	0.76	0.01	0.015	0.122	0.03	0.05	0.21	0.29
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/28/81-12/15/94	53	0.06	0.098	0.44	0.005	0.009	0.094	0.02	0.03	0.16	0.23
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/15/70-08/12/81	36	8.55	11.228	79.	2.	152.136	12.334	6.21	6.975	11.	16.
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/12/77-04/01/81	10	7.5	8.19	12.	5.1	6.312	2.512	5.13	5.925	11.	11.9
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	06/07/73-06/07/73	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	10/12/77-04/01/81	11	0.8	1.136	2.4	0.6	0.333	0.577	0.62	0.8	1.5	2.3
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	190	220.	215.774	335.	110.	2479.964	49.799	140.9	180.	250.	286.3
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-11/19/85	182	103.	105.681	243.	16.	1028.749	32.074	68.	84.	130.	144.7
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/10/74-12/15/94	108	63.	60.861	86.	28.	152.289	12.341	40.8	52.25	70.	75.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/10/74-12/15/94	108	14.5	14.238	24.	7.4	10.615	3.258	9.37	12.	17.	18.
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/10/74-12/15/94	96	68.	73.948	190.	25.	1036.681	32.198	39.8	55.	85.75	110.
00931	SODIUM ADSORPTION RATIO	01/10/74-11/19/85	51	2.1	2.206	4.6	0.9	0.648	0.805	1.4	1.7	2.5	3.16
00932	SODIUM, PERCENT	01/10/74-11/19/85	51	41.	41.353	59.	28.	49.313	7.022	32.2	36.	46.	50.4
00933	SODIUM,PLUS POTASSIUM (MG/L)	10/03/79-02/12/80	4	67.5	70.25	94.	52.	305.583	17.481	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/10/74-12/15/94	96	4.6	4.675	8.4	2.5	1.503	1.226	3.	3.9	5.375	6.33
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	2989	103.	109.245	636.	5.	3838.376	61.955	46.	73.	125.	175.
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	245	91.	94.11	195.	32.	825.877	28.738	56.6	74.	110.	130.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	239	0.4	0.427	3.1	0.05	0.089	0.298	0.2	0.3	0.5	0.7
00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/73-09/30/73	4	0.65	0.6	0.7	0.4	0.02	0.141	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/10/74-12/15/94	96	7.3	7.139	15.	3.	4.025	2.006	4.37	5.8	8.575	9.2
01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/10/74-09/17/91	59	1.	1.678	5.	0.	1.334	1.155	0.5	1.	2.	3.
01001	ARSENIC, SUSPENDED (UG/L AS AS)	01/10/74-06/15/82	19	1.	1.474	10.	0.	4.68	2.163	0.	0.5	2.	2.
01002	ARSENIC, TOTAL (UG/L AS AS)	01/10/74-06/15/82	23	3.	3.13	12.	1.	5.119	2.262	1.	2.	3.	5.6
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/18/82-08/18/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/12/77-12/15/94	62	43.	43.726	71.	29.	73.973	8.601	33.	37.	50.	55.7
01006	BARIUM, SUSPENDED (UG/L AS BA)	10/12/77-06/15/82	12	45.	35.	100.	0.	1154.545	33.979	0.	0.	60.	88.
01007	BARIUM, TOTAL (UG/L AS BA)	10/12/77-06/15/82	15	50.	67.667	100.	25.	788.81	28.086	34.	50.	100.	100.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	11/09/82-09/17/91	36 ##	0.25	0.371	3.	0.25	0.213	0.462	0.25	0.25	0.25	0.5
01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	08/18/82-08/18/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/10/74-09/17/91	59 ##	0.5	0.881	9.	0.	2.512	1.585	0.	0.5	1.	1.
01026	CADMIUM, SUSPENDED (UG/L AS CD)	01/10/74-06/15/82	20	0.	0.45	3.	0.	0.682	0.826	0.	0.	1.	1.9
01027	CADMIUM, TOTAL (UG/L AS CD)	01/10/74-06/15/82	22	1.	1.841	9.	0.	6.176	2.485	0.	0.375	2.	7.2
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/10/74-09/17/91	59 ##	1.	3.576	30.	0.	35.929	5.994	0.5	0.5	5.	10.
01031	CHROMIUM, SUSPEND (UG/L AS CR)	01/10/74-05/04/82	18	10.	9.111	30.	0.	59.046	7.684	0.	0.	10.	20.1
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/10/74-06/15/82	23	10.	16.174	40.	1.	119.787	10.945	2.6	10.	30.	30.
01035	COBALT, DISSOLVED (UG/L AS CO)	01/10/74-12/15/94	70 ##	1.5	1.136	3.	0.	0.463	0.681	0.	0.5	1.5	1.5
01036	COBALT, SUSPENDED (UG/L AS CO)	01/10/74-06/15/82	20	0.	0.7	6.	0.	2.221	1.49	0.	0.	1.	2.9
01037	COBALT, TOTAL (UG/L AS CO)	01/10/74-06/15/82	22	1.	1.5	8.	0.	4.548	2.133	0.	0.	2.25	5.4
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/18/82-08/18/82	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	01/10/74-09/17/91	59	7.	8.034	30.	1.	31.551	5.617	3.	4.	10.	14.
01041	COPPER, SUSPENDED (UG/L AS CU)	01/10/74-06/15/82	23	4.	10.913	59.	0.	259.174	16.099	0.	0.	16.	40.8
01042	COPPER, TOTAL (UG/L AS CU)	01/10/74-06/15/82	23	12.	18.957	67.	3.	272.134	16.496	6.	9.	26.	50.4
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/18/82-08/18/82	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	10/18/78-06/15/82	12	810.	2689.167	9900.	420.	12693062.879	3562.733	432.	560.	4100.	9870.
01045	IRON, TOTAL (UG/L AS FE)	01/10/74-06/15/82	22	905.	2014.545	10000.	440.	7529587.879	2744.009	499.	682.5	1825.	8400.
01046	IRON, DISSOLVED (UG/L AS FE)	01/10/74-12/15/94	70	39.	61.071	280.	5.	3456.531	58.792	10.1	20.75	87.	120.
01049	LEAD, DISSOLVED (UG/L AS PB)	01/10/74-09/17/91	59	2.5	3.678	31.	0.	21.42	4.628	0.5	1.	5.	9.
01050	LEAD, SUSPENDED (UG/L AS PB)	01/10/74-06/15/82	22	9.	10.682	63.	0.	199.942	14.14	0.	0.	15.	22.7

** - 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: CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051	LEAD, TOTAL (UG/L AS PB)	01/10/74-06/15/82	22	13.	15.045	68.	3.	205.855	14.348	3.3	4.75	21.	29.2
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/18/82-08/18/82	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/18/82-08/18/82	1	240.	240.	240.	240.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	01/10/74-06/15/82	22	40.	61.364	180.	0.	2802.814	52.942	10.	27.5	90.	164.
01055	MANGANESE, TOTAL (UG/L AS MN)	09/21/64-06/15/82	23	170.	183.043	340.	100.	3940.316	62.772	110.	120.	220.	274.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/10/74-12/15/94	70	67.	75.729	200.	9.	2079.186	45.598	21.1	45.75	110.	140.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/09/82-12/15/94	47 ##	5.	5.106	10.	5.	0.532	0.729	5.	5.	5.	5.
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/09/80-12/15/94	56	3.	3.527	20.	0.5	9.058	3.01	1.	2.	4.	6.
01066	NICKEL, SUSPENDED (UG/L AS NI)	01/09/80-06/15/82	9	3.	4.222	8.	0.	9.194	3.032	0.	1.5	7.	8.
01067	NICKEL, TOTAL (UG/L AS NI)	01/09/80-06/15/82	9	9.	8.111	11.	5.	5.111	2.261	5.	5.5	10.	11.
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/82-08/18/82	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	10/12/77-12/15/94	62 ##	0.5	0.492	2.	0.	0.16	0.4	0.	0.5	0.5	0.5
01076	SILVER, SUSPENDED (UG/L AS AG)	10/12/77-06/15/82	12	0.	0.75	5.	0.	2.568	1.603	0.	0.	0.75	4.4
01077	SILVER, TOTAL (UG/L AS AG)	10/12/77-06/15/82	17	0.	0.971	5.	0.	2.14	1.463	0.	0.	1.5	3.4
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/09/82-12/15/94	47	190.	183.617	250.	120.	1232.285	35.104	130.	160.	210.	230.
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/18/82-08/18/82	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	11/09/82-12/15/94	47 ##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/10/74-09/17/91	59	16.	19.678	90.	4.	248.084	15.751	7.	10.	22.	34.
01091	ZINC, SUSPENDED (UG/L ZN)	01/10/74-06/15/82	22	20.	40.455	220.	0.	2756.926	52.506	0.	10.	52.5	121.
01092	ZINC, TOTAL (UG/L AS ZN)	01/10/74-06/15/82	22	40.	62.273	240.	20.	2780.303	52.729	20.	30.	82.5	142.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/18/82-08/18/82	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/09/82-12/15/94	47	20.	27.66	120.	5.	579.186	24.066	5.	10.	30.	52.
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/18/82-08/18/82	1	1900.	1900.	1900.	1900.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	11/09/82-12/15/94	47	11.	10.596	23.	2.	22.42	4.735	5.	7.	13.	17.2
01145	SELENIUM, DISSOLVED (UG/L AS SE)	01/10/74-12/15/94	70 ##	0.5	0.621	6.	0.	0.663	0.814	0.5	0.5	0.5	0.5
01146	SELENIUM, SUSPENDED (UG/L AS SE)	01/10/74-04/01/81	18	0.	0.333	4.	0.	1.059	1.029	0.	0.	0.	2.2
01147	SELENIUM, TOTAL (UG/L AS SE)	01/10/74-06/15/82	23 ##	0.5	1.13	10.	0.	4.709	2.17	0.	0.	0.5	3.6
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/18/82-08/18/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/18/82-08/18/82	1	7400.	7400.	7400.	7400.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/10/74-09/03/93	38	16000.	66473.684	530000.	1000.1	3329879288.762	115455.096	2090.	5000.	71000.	239000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/10/74-09/03/93	38	4.204	4.269	5.724	3.	0.522	0.723	3.32	3.698	4.846	5.376
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18561.689								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/03/76-12/15/94	96	3950.	11840.75	200000.	0.	612064287.579	24739.933	240.	1025.	12500.	23600.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	11/03/76-12/15/94	96	3.597	3.445	5.301	0.	1.007	1.003	2.38	3.01	4.096	4.373
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			2784.397								
31633	E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100ML	09/05/91-09/03/93	17	30000.	54905.882	150000.	2400.	2060850588.235	45396.592	6880.	21500.	93000.	134000.
31633	LOG E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100	09/05/91-09/03/93	17	4.477	4.553	5.176	3.38	0.224	0.474	3.799	4.331	4.968	5.126
31633	GM E.COLI,THERMOTOL,MF,M-TEC,IN SITU UREASE #/100M	GEOMETRIC MEAN =			35692.271								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/03/76-12/15/94	93	1000.	3087.043	32000.	40.	29201978.129	5403.885	91.	155.	4000.	8000.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/03/76-12/15/94	93	3.	2.945	4.505	1.602	0.573	0.757	1.959	2.19	3.602	3.903
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			880.353								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/10/74-09/14/82	22	1055.	4486.364	56000.	90.	137476490.909	11725.037	196.	410.	4800.	7370.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/10/74-09/14/82	22	3.019	3.102	4.748	1.954	0.411	0.641	2.277	2.612	3.681	3.866
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1264.232								
32226	CHLOROPHYLL B, PERIPHYTON, SPECTRO, MG/M2	09/11/74-08/05/75	3	0.2	0.4	0.9	0.1	0.19	0.436	**	**	**	**
32228	CHLOROPHYLL A, PERIPHYTON, SPECTRO, MG/M2	09/11/74-08/05/75	3	1.3	2.267	5.	0.5	5.763	2.401	**	**	**	**
39025	SIMAZINE,COULSON CONDUCTIVITY,WATER SAMPLE(UG/L)	08/18/76-08/09/78	7 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	03/02/82-05/04/82	2 ##	0.028	0.028	0.05	0.005	0.001	0.032	**	**	**	**
39046	SIMAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	11/03/76-05/11/77	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	12/21/88-12/15/94	24	122.5	123.583	184.	78.	698.341	26.426	86.5	105.25	145.5	156.5
39250	NAPTHALENES, POLYCHLORINATED (UG/L)	03/02/82-05/04/82	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/28/81-05/04/82	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	15 ##	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/11/77-05/04/82	4 ##	0.025	0.025	0.05	0.	0.001	0.029	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/02/75-05/04/82	15 ##	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	05/11/77-05/04/82	4 ##	0.025	0.488	1.9	0.	0.887	0.942	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/02/75-05/04/82	15 ##	0.	0.007	0.05	0.	0.	0.018	0.	0.	0.	0.05
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	05/11/77-05/04/82	4 ##	4.	5.	12.	0.	36.	6.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	15 ##	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/11/77-05/04/82	4 ##	1.	1.15	2.6	0.	1.823	1.35	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	15 ##	0.	0.006	0.08	0.	0.	0.021	0.	0.	0.	0.035
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/11/77-05/04/82	4 ##	0.025	0.025	0.05	0.	0.001	0.029	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	15 ##	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005

** - Less than 9 observations ## - 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: CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/11/77-05/04/82	4 ##	1.95	4.975	16.	0.	57.403	7.576	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	15 ##	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/11/77-05/04/82	4 ##	0.2	1.3	4.8	0.	5.48	2.341	**	**	**	**
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	03/02/82-05/04/82	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/28/81-05/04/82	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	15 ##	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/11/77-05/04/82	4 ##	0.025	0.025	0.05	0.	0.001	0.029	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	13 ##	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/11/77-05/08/79	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	15 ##	0.	0.037	0.5	0.	0.017	0.129	0.	0.	0.	0.23
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/11/77-05/04/82	4 ##	0.25	1.375	5.	0.	5.896	2.428	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	15 ##	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	05/11/77-05/04/82	4 ##	0.025	0.025	0.05	0.	0.001	0.029	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	15 ##	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	05/11/77-05/04/82	4 ##	0.025	0.025	0.05	0.	0.001	0.029	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	15 ##	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	05/11/77-05/04/82	4 ##	0.025	0.025	0.05	0.	0.001	0.029	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	02/12/80-02/12/80	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39499	PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	05/11/77-05/11/77	1	174.39	174.39	174.39	174.39	0.	0.	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	02/12/80-02/12/80	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	11/30/77-02/12/80	2	0.12	0.12	0.18	0.06	0.007	0.085	**	**	**	**
39507	PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	05/08/79-05/08/79	1	130.6	130.6	130.6	130.6	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	02/12/80-02/12/80	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	02/16/78-05/04/82	7 ##	0.	0.014	0.05	0.	0.001	0.024	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/28/81-05/04/82	2 ##	46.75	46.75	93.	0.5	4278.125	65.407	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	13 ##	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/11/77-05/08/79	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	13 ##	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/11/77-05/08/79	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	13 ##	0.	0.007	0.07	0.	0.	0.02	0.	0.	0.	0.05
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/11/77-05/08/79	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	13 ##	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	05/11/77-05/08/79	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	08/18/76-08/09/78	7 ##	0.	0.294	1.09	0.	0.254	0.504	**	**	**	**
39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	11/03/76-05/11/77	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	08/18/76-05/04/82	10 ##	0.	0.013	0.12	0.	0.001	0.038	0.	0.	0.003	0.109
39731	2,4-D IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/03/76-05/11/77	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	08/18/76-05/04/82	10 ##	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.001	0.005
39741	2,4,5-T IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/03/76-05/11/77	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39755	MIREX, TOTAL (UG/L)	03/02/82-05/04/82	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	10/28/81-05/04/82	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	08/18/76-05/04/82	10 ##	0.	0.002	0.01	0.	0.	0.003	0.	0.	0.001	0.01
39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/03/76-05/11/77	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	13 ##	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/11/77-05/08/79	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	09/02/75-05/04/82	13 ##	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39791	METHYL TRITHION IN BOT DEPOS (UG/KG DRY SOLIDS)	05/11/77-05/08/79	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
60050	ALGAE, TOTAL (CELLS/ML)	04/03/74-08/12/81	34	3650.	7245.882	41000.	240.	97599800.713	9879.261	935.	1600.	8250.	20000.
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	222	465.5	508.721	1350.	206.	39411.026	198.522	286.6	369.75	600.	796.4
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/10/74-11/19/85	51	432.	439.529	704.	218.	13687.414	116.993	253.	375.	506.	585.
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/03/68-08/17/82	174	819.	1207.719	14700.	195.	1837402.603	1355.508	381.5	535.5	1420.	2595.005
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/03/68-02/15/83	176	0.64	0.705	1.84	0.28	0.082	0.286	0.38	0.502	0.857	1.149
70326	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .002MM	04/04/57-12/28/68	15	19.	22.533	79.	8.	287.124	16.945	9.2	13.	25.	50.8
70327	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .004MM	04/04/57-12/28/68	15	24.	25.867	40.	18.	44.981	6.707	18.6	20.	28.	40.
70328	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .008MM	04/04/57-12/28/68	15	42.	41.4	57.	27.	93.4	9.664	28.2	32.	46.	57.
70329	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .016MM	04/04/57-12/28/68	15	64.	61.467	86.	0.	414.552	20.361	27.6	60.	75.	83.
70330	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .031MM	04/04/57-12/28/68	15	81.	76.667	94.	0.	497.952	22.315	41.4	78.	86.	92.8
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/22/57-09/03/86	76	91.	86.605	100.	0.	432.189	20.789	80.4	87.	96.	99.
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	01/22/57-07/02/83	68	95.	94.662	100.	76.	21.959	4.686	88.8	92.	98.	100.
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	01/22/57-07/02/83	62	99.	95.903	100.	0.	163.466	12.785	92.3	96.	100.	100.
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	01/22/57-03/28/83	41	100.	98.951	100.	94.	2.148	1.465	97.	98.	100.	100.
70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	04/24/61-12/16/82	17	100.	100.	100.	100.	0.	0.	100.	100.	100.	100.
70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	01/22/57-07/02/83	73	35.	37.644	94.	22.	182.482	13.509	25.4	28.	41.	54.8

** - 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: CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	01/22/57-07/02/83	73	44.	46.904	86.	19.	145.727	12.072	35.	39.	52.5	61.6
70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	01/22/57-07/02/83	73	58.	59.616	99.	17.	169.768	13.029	47.	53.	65.5	77.
70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	01/22/57-07/02/83	73	71.	72.123	99.	0.	250.026	15.812	59.4	66.5	81.5	90.6
70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	01/22/57-07/02/83	72	86.	84.361	99.	0.	165.699	12.872	73.9	81.25	91.	96.4
70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	06/05/62-07/03/62	2	89.5	89.5	92.	87.	12.5	3.536	**	**	**	**
70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	06/05/62-07/03/62	2	0.	0.	0.	0.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12/11/90-12/08/92	11	0.06	0.076	0.19	0.02	0.002	0.047	0.024	0.05	0.09	0.178
70950	BIOMASS-CHLOROPHYLL RATIO, PERIPHYTON (UNITS)	11/03/76-09/09/80	4	255.5	283.25	452.	170.	15028.917	122.592	**	**	**	**
70955	CHLOROPHYLL-A,PERIDHYTON UG/L,CHROMO-SPECTRO	11/03/76-11/03/76	1	14.6	14.6	14.6	14.6	0.	0.	**	**	**	**
70956	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-SPECTRO	11/03/76-11/03/76	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
70957	CHLOROPHYLL-A,PERIPHYTON UG/L,CHROMO-FLUORO	08/09/78-09/09/80	5	4.1	17.04	64.3	1.1	725.518	26.935	**	**	**	**
70958	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-FLUORO	08/09/78-09/09/80	5	1.4	6.8	27.1	0.3	132.115	11.494	**	**	**	**
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	05/08/79-01/06/81	14	1.	1.8	4.8	0.2	2.855	1.69	0.25	0.475	3.225	4.75
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/03/79-11/19/85	26	0.805	1.399	4.3	0.1	1.823	1.35	0.141	0.293	2.325	4.03
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/21/64-07/28/73	127	14.	15.265	44.	3.3	65.629	8.101	6.9	9.4	20.	27.
71885	IRON (UG/L AS FE)	09/21/64-09/21/64	1	970.	970.	970.	970.	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	09/03/70-11/19/85	36	1.1	1.393	7.2	0.21	1.332	1.154	0.661	0.867	1.4	2.45
71887	NITROGEN, TOTAL, AS NO3 - MG/L	01/10/74-08/12/81	57	16.	16.516	33.	7.6	34.186	5.847	9.08	13.	19.5	26.2
71890	MERCURY, DISSOLVED (UG/L AS HG)	01/10/74-09/17/91	59 ##	0.2	0.203	1.	0.05	0.034	0.185	0.05	0.05	0.25	0.4
71895	MERCURY, SUSPENDED (UG/L AS HG)	01/10/74-06/15/82	19	0.	0.011	0.2	0.	0.002	0.046	0.	0.	0.	0.
71900	MERCURY, TOTAL (UG/L AS HG)	10/15/70-06/15/82	30 ##	0.25	0.407	2.2	0.	0.263	0.513	0.1	0.175	0.263	0.9
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/18/82-08/18/82	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
77825	ALACHLOR WHOLE WATER,UG/L	11/02/87-09/15/90	60 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	09/14/82-09/15/82	5	3.	3.72	6.4	2.2	2.707	1.645	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	177	109.	631.017	4560.	4.	739810.403	860.122	14.	24.5	1030.	1932.
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	129	1270.	8021.893	85200.	5.4	222810742.656	14926.846	15.	63.	8550.	23500.
80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	08/11/70-08/11/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
80165	BED MATERIAL SIEVE DIAMETER,% FINER THAN .125MM	08/11/70-08/11/70	1	1.	1.	1.	1.	0.	0.	**	**	**	**
80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	08/11/70-08/11/70	1	2.	2.	2.	2.	0.	0.	**	**	**	**
80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	08/11/70-08/11/70	1	6.	6.	6.	6.	0.	0.	**	**	**	**
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	08/11/70-08/11/70	1	10.	10.	10.	10.	0.	0.	**	**	**	**
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	08/11/70-08/11/70	1	15.	15.	15.	15.	0.	0.	**	**	**	**
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	08/11/70-08/11/70	1	21.	21.	21.	21.	0.	0.	**	**	**	**
80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	08/11/70-08/11/70	1	30.	30.	30.	30.	0.	0.	**	**	**	**
80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	08/11/70-08/11/70	1	43.	43.	43.	43.	0.	0.	**	**	**	**
80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	08/11/70-08/11/70	1	69.	69.	69.	69.	0.	0.	**	**	**	**
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	10/28/81-05/04/82	2 ##	0.275	0.275	0.5	0.05	0.101	0.318	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	02/10/81-08/12/81	5	3.7	3.46	3.7	3.1	0.108	0.329	**	**	**	**
82133	DEOXYGENATION CONST,CARB.,K1 TO BASE E,20C,PER DAY	09/14/82-09/15/82	5	0.11	0.094	0.14	0.05	0.002	0.042	**	**	**	**
82183	2,4-DP (DICHLORPROP) TOTAL UG/L	03/02/82-05/04/82	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0202

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	15	4	0.27	5	0	0.00	6	1	0.17	4	3	0.75			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	81	8	0.10	22	1	0.05	33	5	0.15	26	2	0.08			
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	212	1	0.00	111	1	0.01	60	0	0.00	41	0	0.00			
00400	PH	Other-Hi Lim.	9.	344	0	0.00	152	0	0.00	114	0	0.00	78	0	0.00			
		Other-Lo Lim.	6.5	344	1	0.00	152	0	0.00	114	1	0.01	78	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	62	0	0.00	16	0	0.00	25	0	0.00	21	0	0.00			
		Other-Lo Lim.	6.5	62	0	0.00	16	0	0.00	25	0	0.00	21	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	35	0	0.00	9	0	0.00	13	0	0.00	13	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	42	0	0.00	12	0	0.00	18	0	0.00	12	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	45	0	0.00	12	0	0.00	19	0	0.00	14	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	31	0	0.00	8	0	0.00	14	0	0.00	9	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	94	0	0.00	28	0	0.00	40	0	0.00	26	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2780	0	0.00	851	0	0.00	1039	0	0.00	890	0	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: CUVA0202

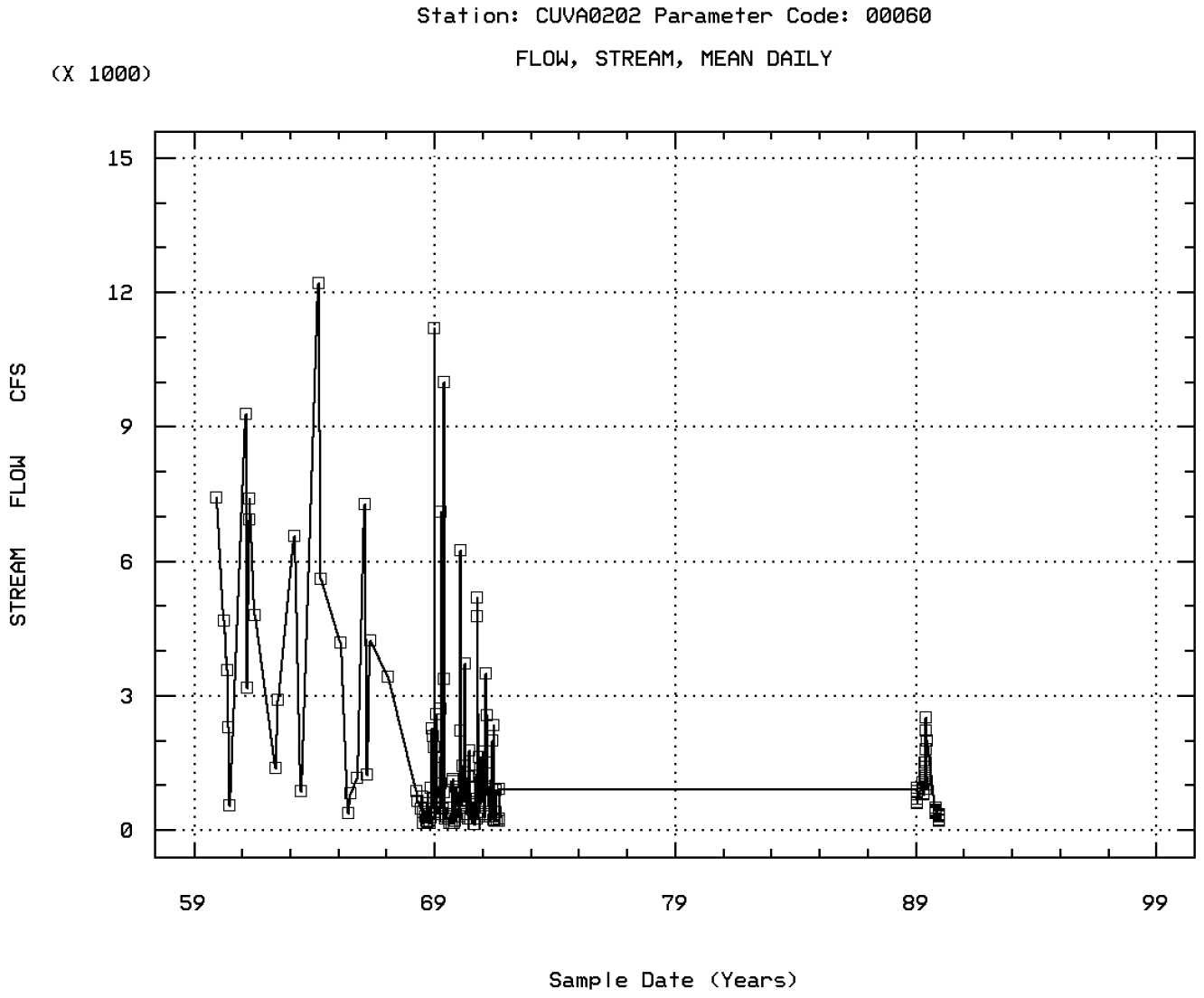
Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2989	0	0.00	936	0	0.00	1107	0	0.00	946	0	0.00			
		Drinking Water	250.	2989	111	0.04	936	14	0.01	1107	85	0.08	946	12	0.01			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	245	0	0.00	76	0	0.00	95	0	0.00	74	0	0.00			
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	239	0	0.00	72	0	0.00	93	0	0.00	74	0	0.00			
00951	FLOURIDE, TOTAL AS F	Drinking Water	4.	4	0	0.00	4	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	59	0	0.00	19	0	0.00	20	0	0.00	20	0	0.00			
		Drinking Water	50.	59	0	0.00	19	0	0.00	20	0	0.00	20	0	0.00			
01001	ARSENIC, SUSPENDED	Fresh Acute	360.	19	0	0.00	8	0	0.00	6	0	0.00	5	0	0.00			
		Drinking Water	50.	19	0	0.00	8	0	0.00	6	0	0.00	5	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	23	0	0.00	9	0	0.00	7	0	0.00	7	0	0.00			
		Drinking Water	50.	23	0	0.00	9	0	0.00	7	0	0.00	7	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	62	0	0.00	17	0	0.00	23	0	0.00	22	0	0.00			
01006	BARIUM, SUSPENDED	Drinking Water	2000.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	15	0	0.00	5	0	0.00	5	0	0.00	5	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	36	0	0.00	10	0	0.00	13	0	0.00	13	0	0.00			
		Drinking Water	4.	36	0	0.00	10	0	0.00	13	0	0.00	13	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	59	2	0.03	19	1	0.05	20	1	0.05	20	0	0.00			
		Drinking Water	5.	59	2	0.03	19	1	0.05	20	1	0.05	20	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	20	0	0.00	8	0	0.00	7	0	0.00	5	0	0.00			
		Drinking Water	5.	20	0	0.00	8	0	0.00	7	0	0.00	5	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	22	2	0.09	9	1	0.11	7	1	0.14	6	0	0.00			
		Drinking Water	5.	22	2	0.09	9	1	0.11	7	1	0.14	6	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	59	0	0.00	19	0	0.00	20	0	0.00	20	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	18	0	0.00	8	0	0.00	5	0	0.00	5	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	23	0	0.00	9	0	0.00	7	0	0.00	7	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	59	4	0.07	19	1	0.05	20	2	0.10	20	1	0.05			
		Drinking Water	1300.	59	0	0.00	19	0	0.00	20	0	0.00	20	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	23	5	0.22	9	1	0.11	7	3	0.43	7	1	0.14			
		Drinking Water	1300.	23	0	0.00	9	0	0.00	7	0	0.00	7	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	23	9	0.39	9	2	0.22	7	3	0.43	7	4	0.57			
		Drinking Water	1300.	23	0	0.00	9	0	0.00	7	0	0.00	7	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	59	0	0.00	19	0	0.00	20	0	0.00	20	0	0.00			
		Drinking Water	15.	59	1	0.02	19	1	0.05	20	0	0.00	20	0	0.00			
01050	LEAD, SUSPENDED	Fresh Acute	82.	22	0	0.00	9	0	0.00	7	0	0.00	6	0	0.00			
		Drinking Water	15.	22	5	0.23	9	2	0.22	7	1	0.14	6	2	0.33			
01051	LEAD, TOTAL	Fresh Acute	82.	22	0	0.00	9	0	0.00	7	0	0.00	6	0	0.00			
		Drinking Water	15.	22	8	0.36	9	4	0.44	7	2	0.29	6	2	0.33			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	56	0	0.00	14	0	0.00	21	0	0.00	21	0	0.00			
		Drinking Water	100.	56	0	0.00	14	0	0.00	21	0	0.00	21	0	0.00			
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	9	0	0.00	2	0	0.00	3	0	0.00	4	0	0.00			
		Drinking Water	100.	9	0	0.00	2	0	0.00	3	0	0.00	4	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	2	0	0.00	3	0	0.00	4	0	0.00			
		Drinking Water	100.	9	0	0.00	2	0	0.00	3	0	0.00	4	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	62	0	0.00	17	0	0.00	23	0	0.00	22	0	0.00			
		Drinking Water	100.	62	0	0.00	17	0	0.00	23	0	0.00	22	0	0.00			
01076	SILVER, SUSPENDED	Fresh Acute	4.1	12	1	0.08	4	1	0.25	4	0	0.00	4	0	0.00			
		Drinking Water	100.	12	0	0.00	4	0	0.00	4	0	0.00	4	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	17	1	0.06	6	1	0.17	6	0	0.00	5	0	0.00			
		Drinking Water	100.	17	0	0.00	6	0	0.00	6	0	0.00	5	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	59	0	0.00	19	0	0.00	20	0	0.00	20	0	0.00			
		Drinking Water	5000.	59	0	0.00	19	0	0.00	20	0	0.00	20	0	0.00			
01091	ZINC, SUSPENDED	Fresh Acute	120.	22	2	0.09	9	1	0.11	7	1	0.14	6	0	0.00			
		Drinking Water	5000.	22	0	0.00	9	0	0.00	7	0	0.00	6	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	22	2	0.09	9	1	0.11	7	1	0.14	6	0	0.00			
		Drinking Water	5000.	22	0	0.00	9	0	0.00	7	0	0.00	6	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	70	0	0.00	21	0	0.00	25	0	0.00	24	0	0.00			
		Drinking Water	50.	70	0	0.00	21	0	0.00	25	0	0.00	24	0	0.00			
01146	SELENIUM, SUSPENDED	Fresh Acute	20.	18	0	0.00	8	0	0.00	6	0	0.00	4	0	0.00			
		Drinking Water	50.	18	0	0.00	8	0	0.00	6	0	0.00	4	0	0.00			

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

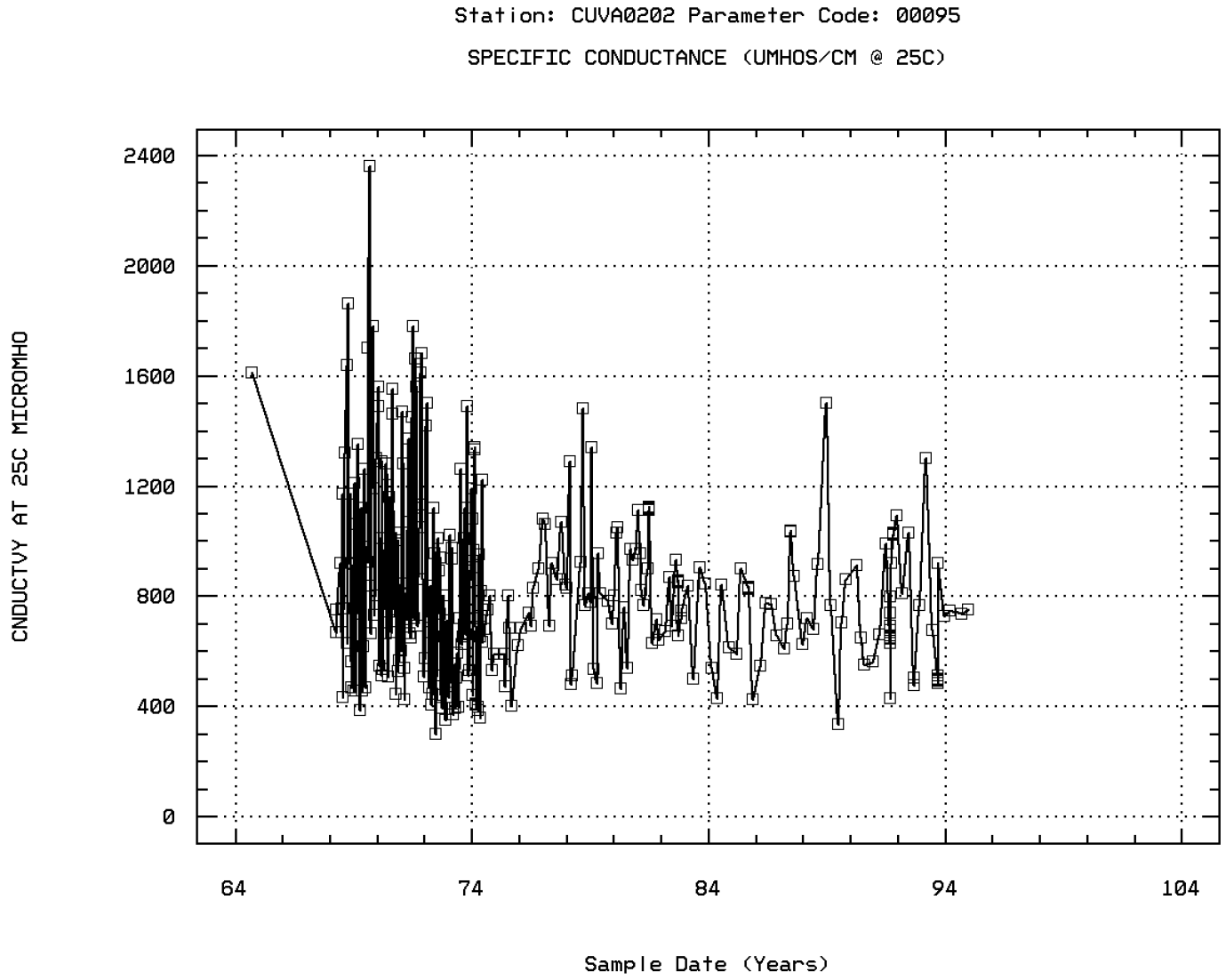
EPA Water Quality Criteria Analysis for Station: CUVA0202

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01147	SELENIUM, TOTAL	Fresh Acute	20.	23	0	0.00	9	0	0.00	7	0	0.00	7	0	0.00			
		Drinking Water	50.	23	0	0.00	9	0	0.00	7	0	0.00	7	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	38	38	1.00	25	25	1.00	7	7	1.00	6	6	1.00			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	96	90	0.94	29	23	0.79	38	38	1.00	29	29	1.00			
39025	SIMAZINE, COULSON CONDUCTIVITY WATER SAM	Drinking Water	4.	7	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	15	0	0.00	5	0	0.00	7	0	0.00	3	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	15	0	0.00	5	0	0.00	7	0	0.00	3	0	0.00			
		Drinking Water	0.2	15	0	0.00	5	0	0.00	7	0	0.00	3	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	15	0	0.00	5	0	0.00	7	0	0.00	3	0	0.00			
		Drinking Water	2.	15	0	0.00	5	0	0.00	7	0	0.00	3	0	0.00			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	15	0	0.00	5	0	0.00	7	0	0.00	3	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	15	0	0.00	5	0	0.00	7	0	0.00	3	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	15	0	0.00	5	0	0.00	7	0	0.00	3	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	15	0	0.00	5	0	0.00	7	0	0.00	3	0	0.00			
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	2	0	0.00				1	0	0.00	1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	15	0	0.00	5	0	0.00	7	0	0.00	3	0	0.00			
		Drinking Water	2.	15	0	0.00	5	0	0.00	7	0	0.00	3	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	15	0	0.00	5	0	0.00	7	0	0.00	3	0	0.00			
		Drinking Water	3.	15	0	0.00	5	0	0.00	7	0	0.00	3	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	15	0	0.00	5	0	0.00	7	0	0.00	3	0	0.00			
		Drinking Water	0.4	15	0	0.00	5	0	0.00	7	0	0.00	3	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	15	0	0.00	5	0	0.00	7	0	0.00	3	0	0.00			
		Drinking Water	0.2	15	0	0.00	5	0	0.00	7	0	0.00	3	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	15	0	0.00	5	0	0.00	7	0	0.00	3	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	13	0	0.00	5	0	0.00	5	0	0.00	3	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	7	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	10	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00			
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	10	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	127	1	0.01	43	1	0.02	46	0	0.00	38	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	59	0	0.00	19	0	0.00	20	0	0.00	20	0	0.00			
		Drinking Water	2.	59	0	0.00	19	0	0.00	20	0	0.00	20	0	0.00			
71895	MERCURY, SUSPENDED	Fresh Acute	2.4	19	0	0.00	8	0	0.00	7	0	0.00	4	0	0.00			
		Drinking Water	2.	19	0	0.00	8	0	0.00	7	0	0.00	4	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	30	0	0.00	13	0	0.00	7	0	0.00	10	0	0.00			
		Drinking Water	2.	30	2	0.07	13	0	0.00	7	0	0.00	10	2	0.20			

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



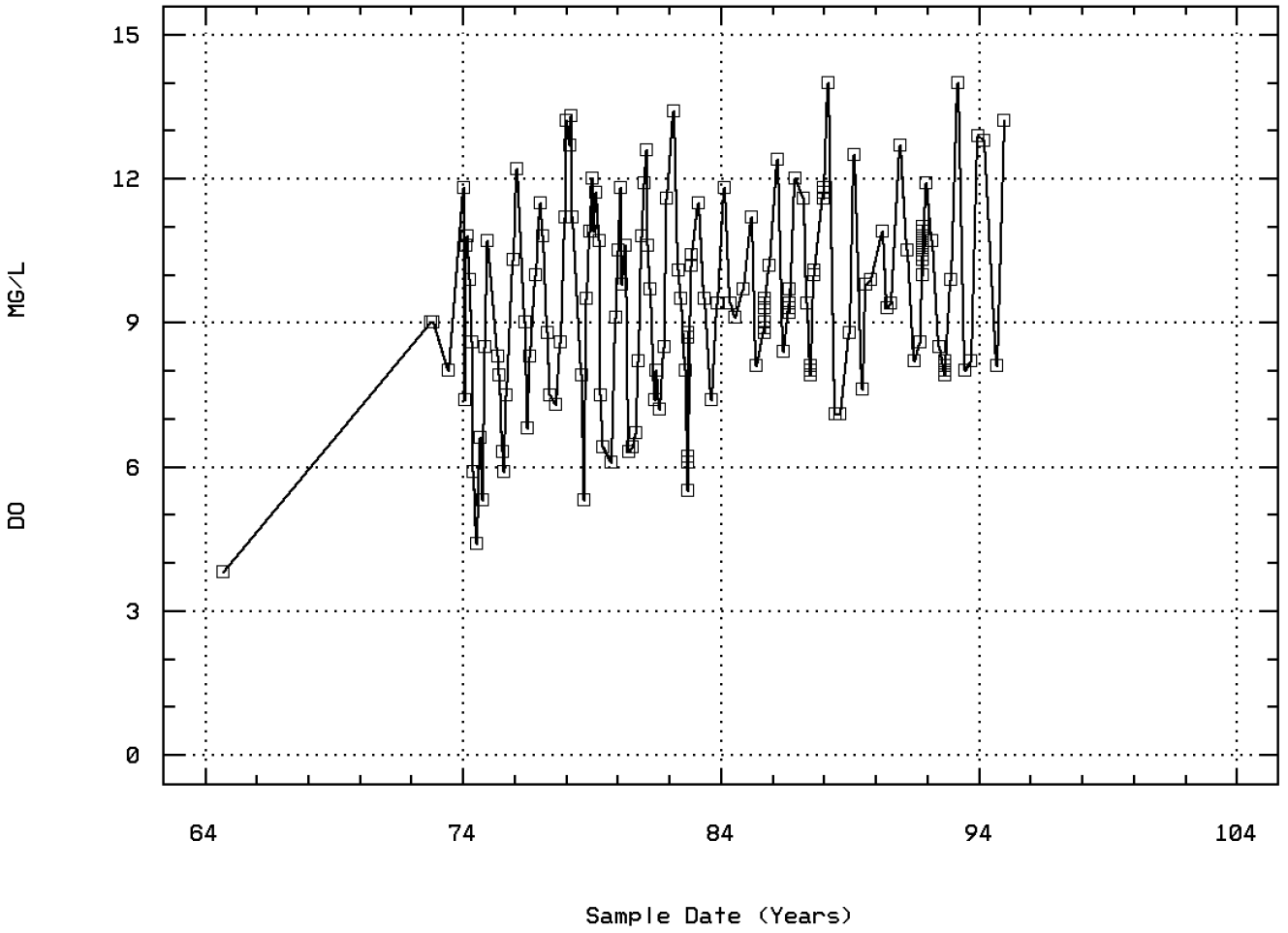
CUYAHOGA R AT INDEPENDENCE OH



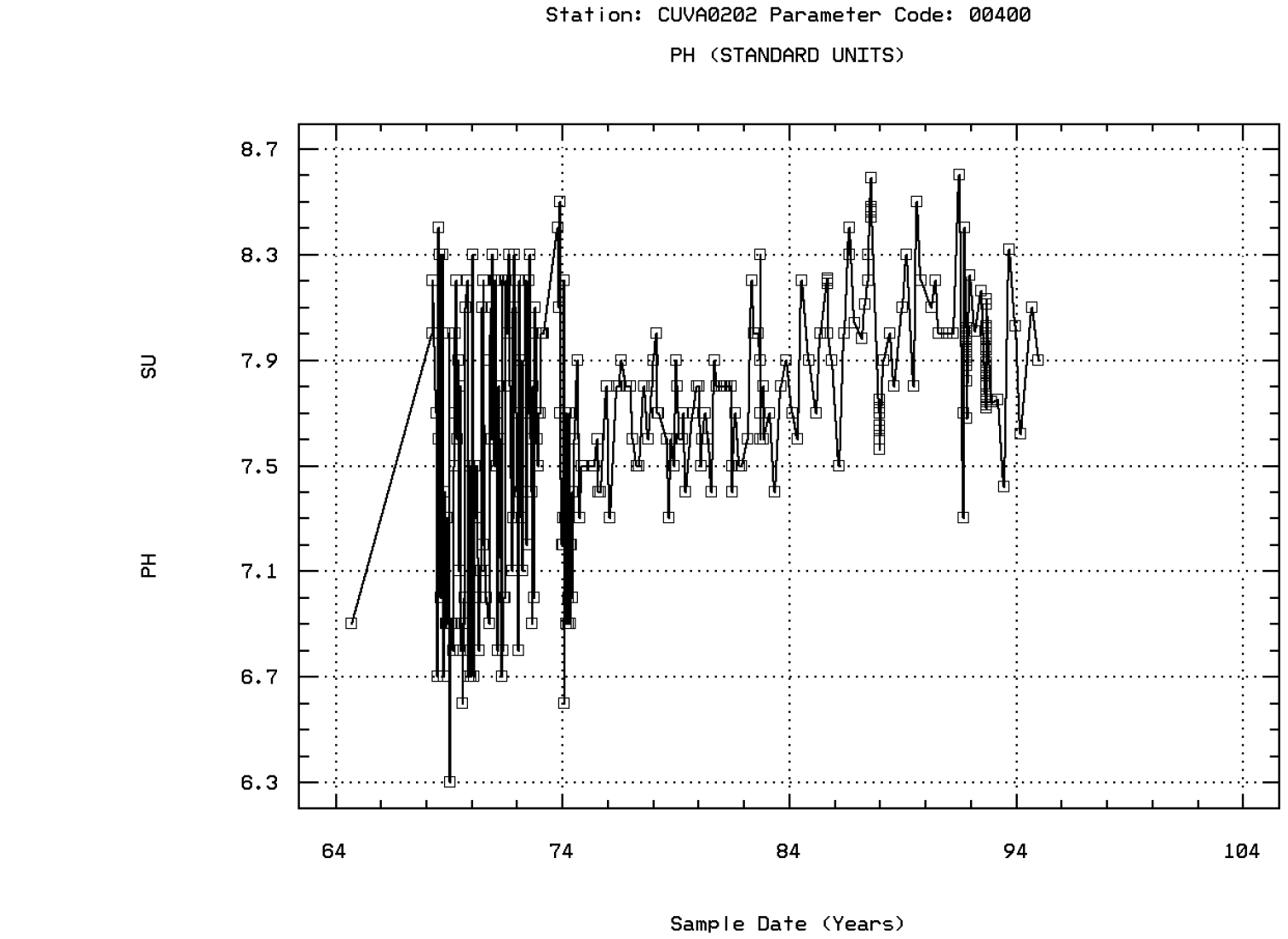
CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 00300

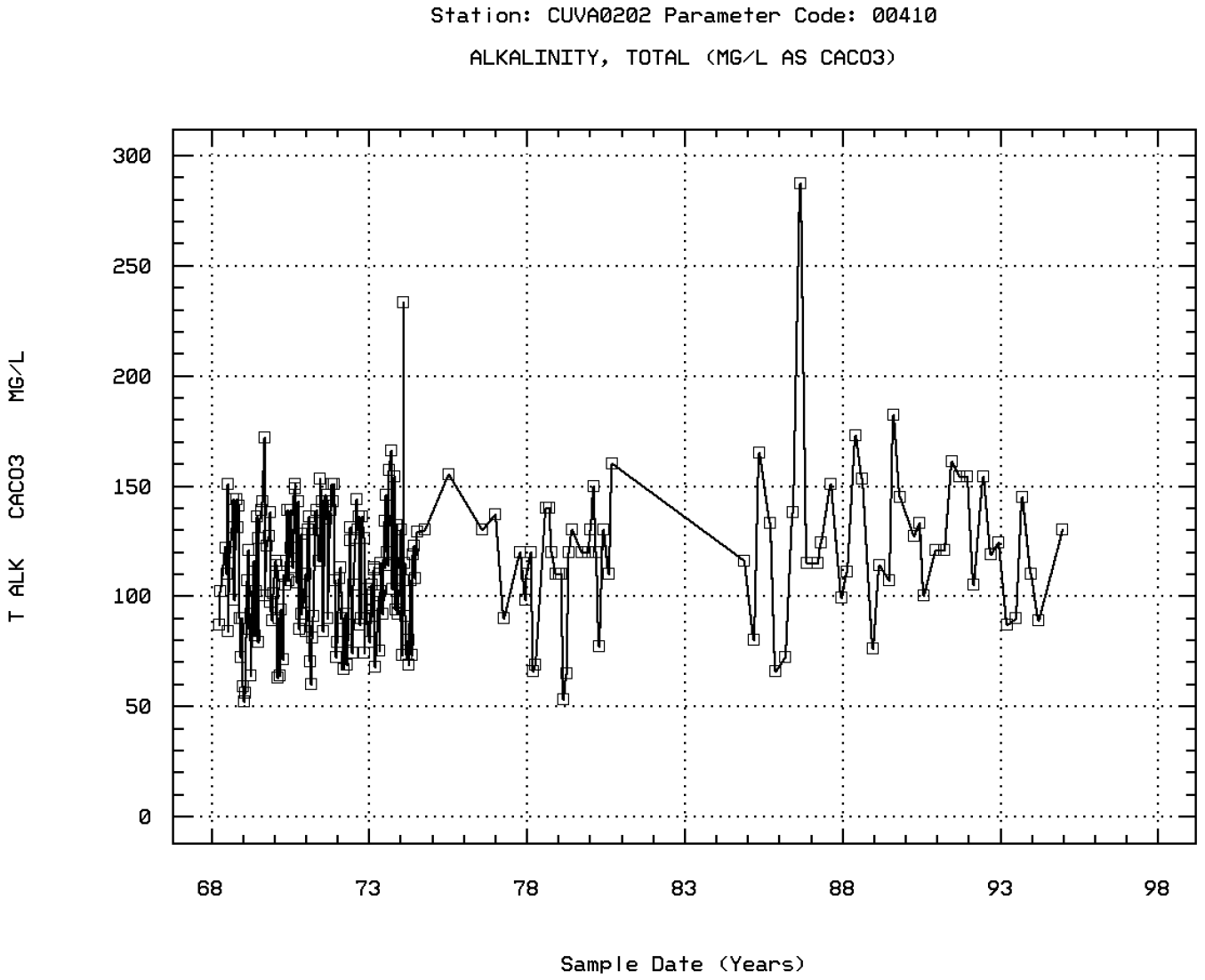
OXYGEN, DISSOLVED



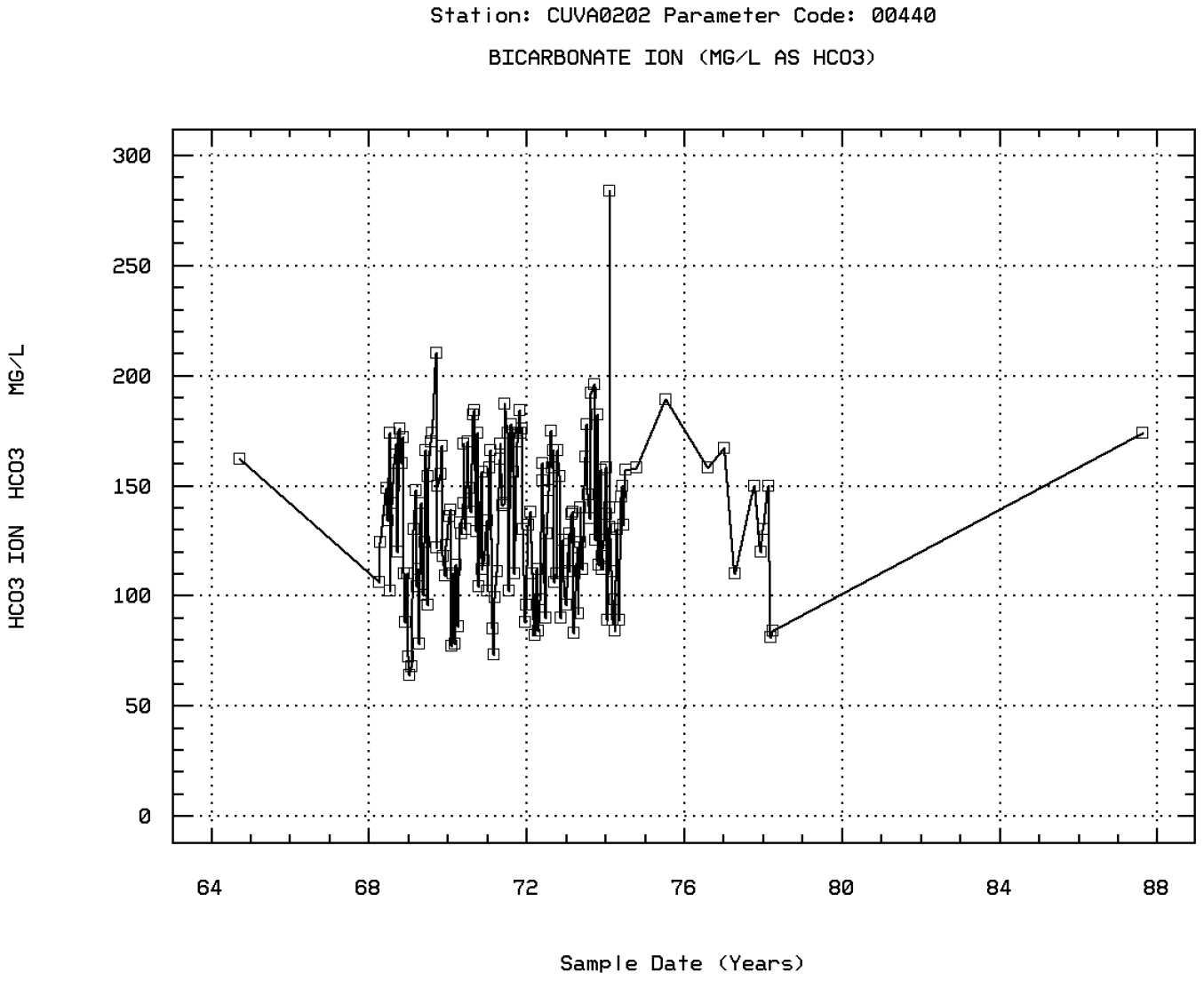
CUYAHOGA R AT INDEPENDENCE OH



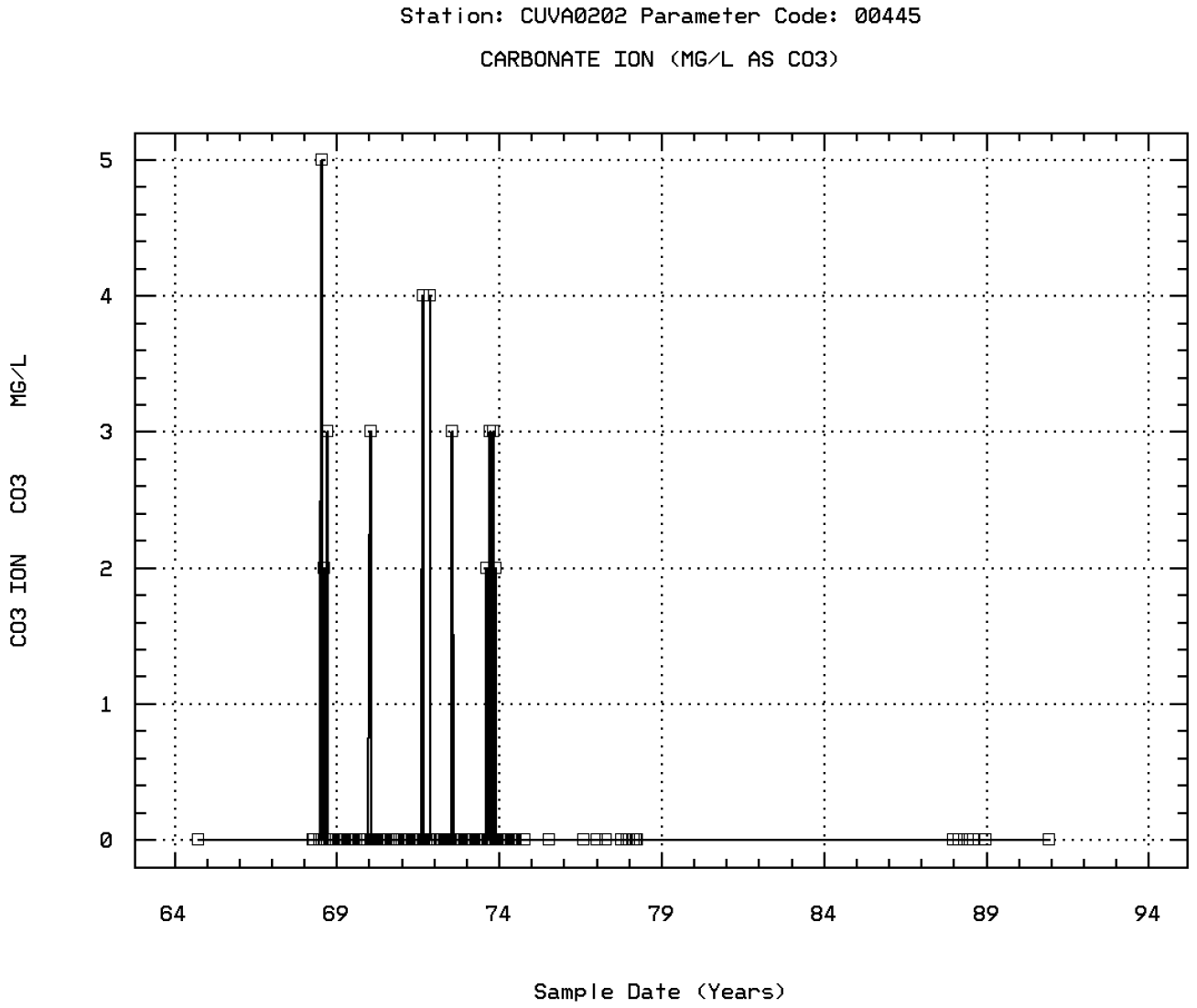
CUYAHOGA R AT INDEPENDENCE OH



CUYAHOGA R AT INDEPENDENCE OH



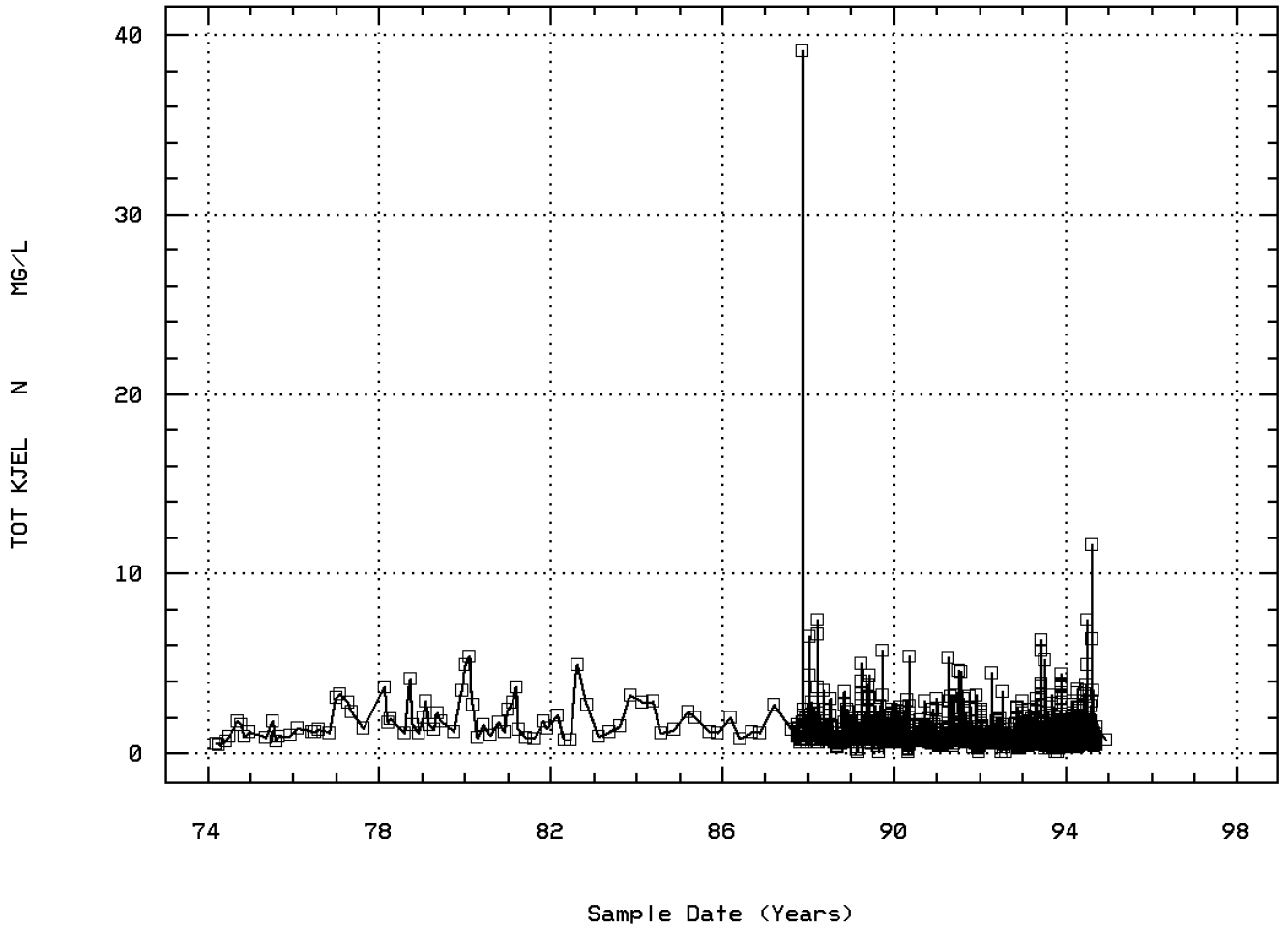
CUYAHOGA R AT INDEPENDENCE OH



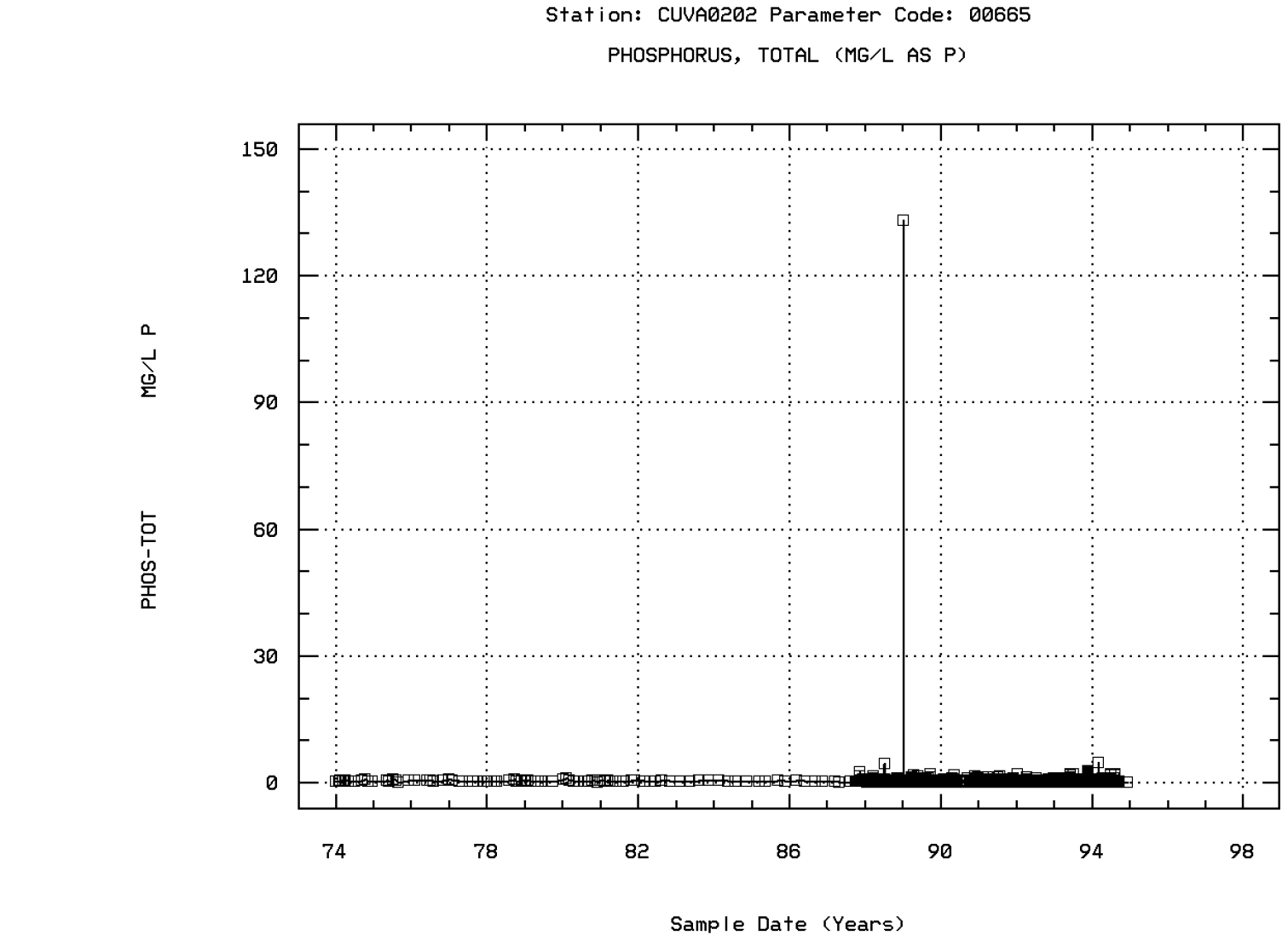
CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 00625

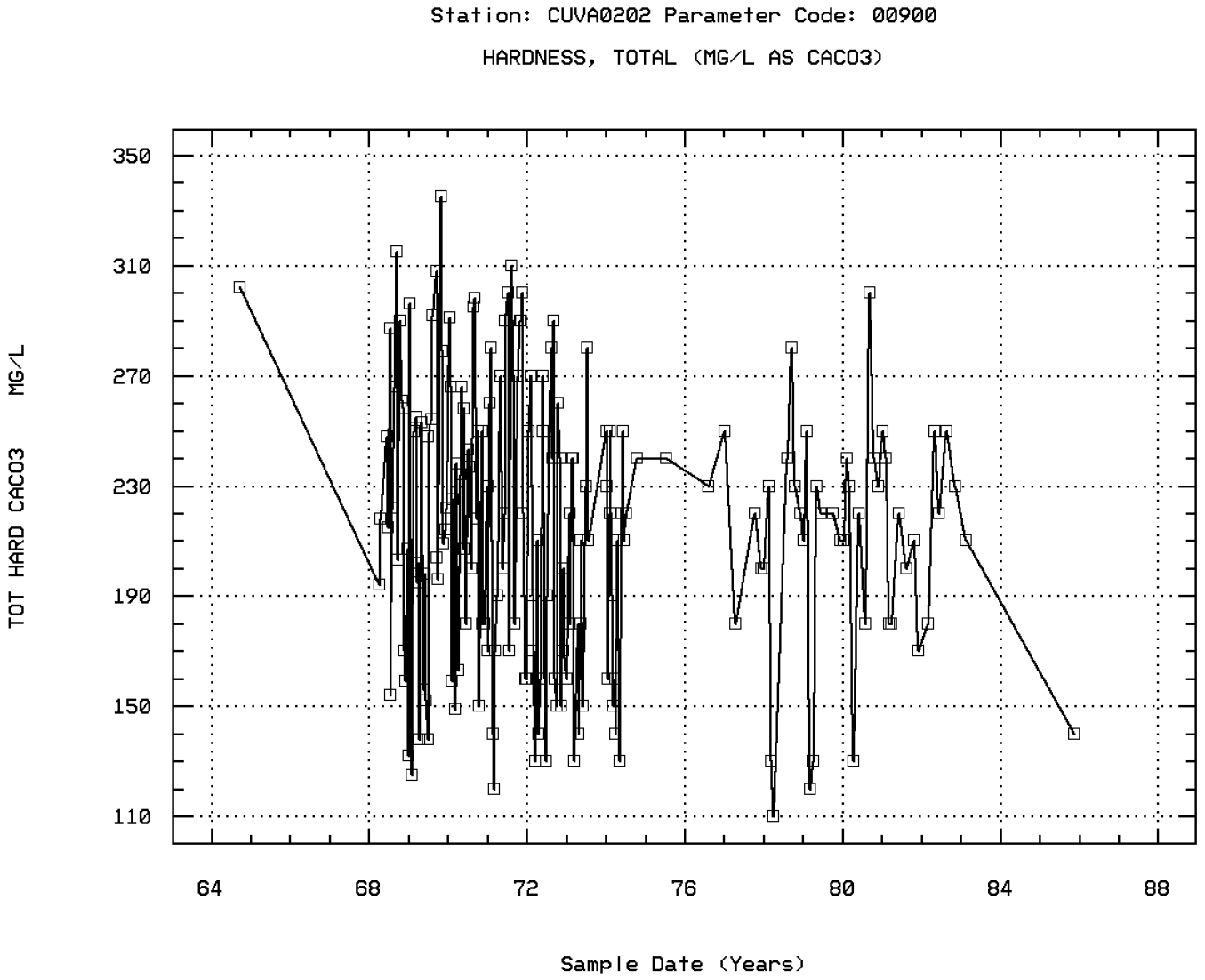
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



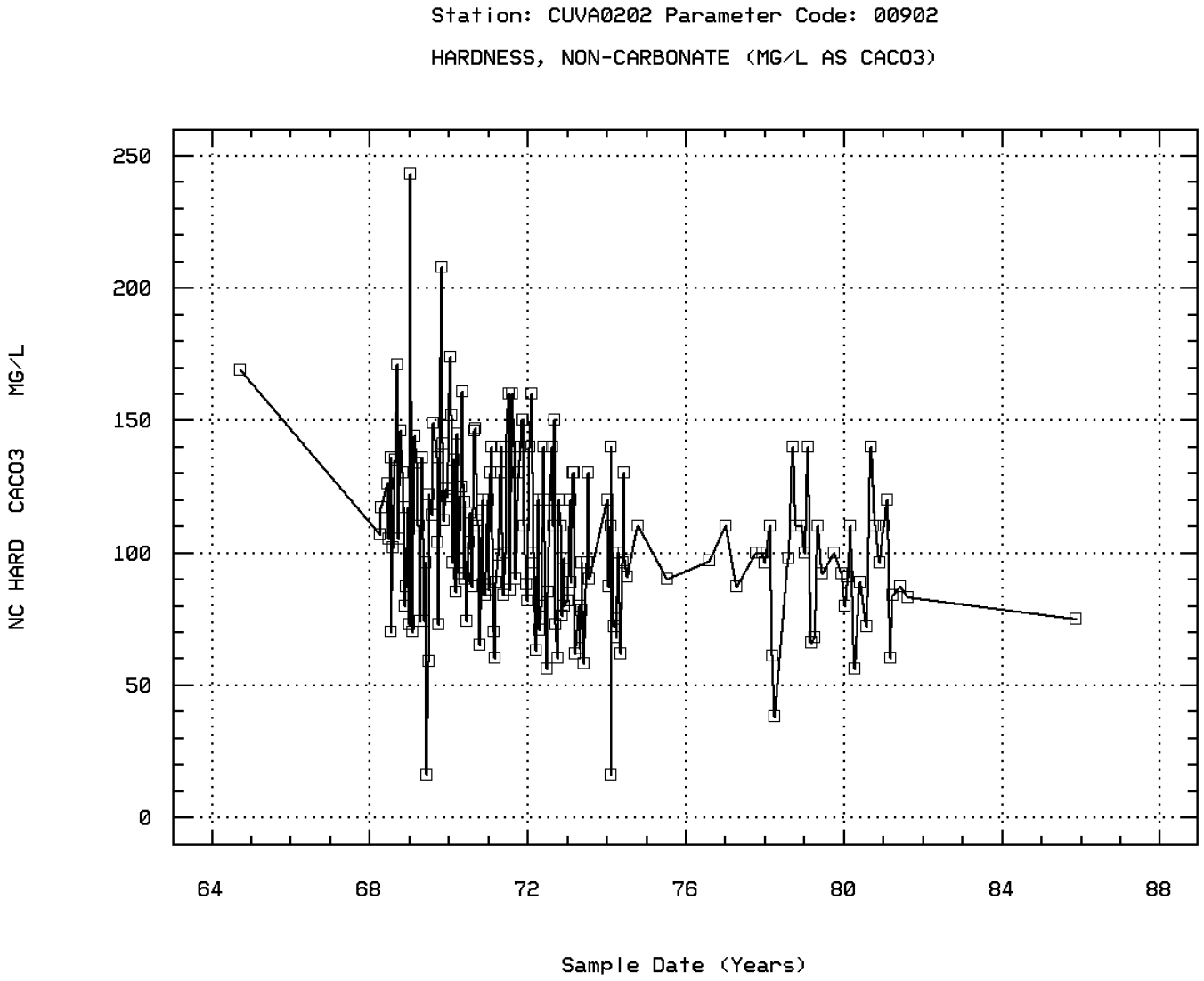
CUYAHOGA R AT INDEPENDENCE OH



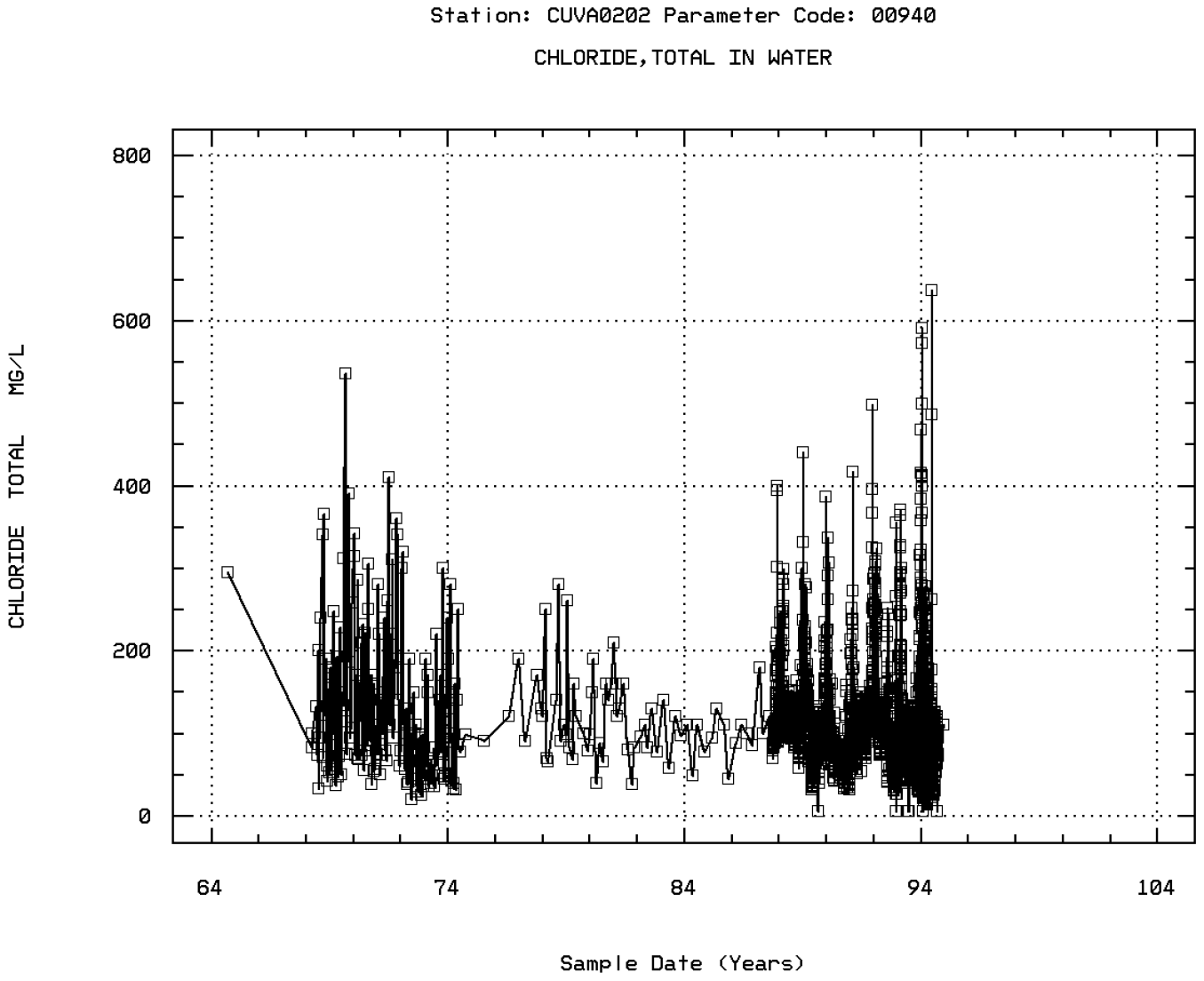
CUYAHOGA R AT INDEPENDENCE OH



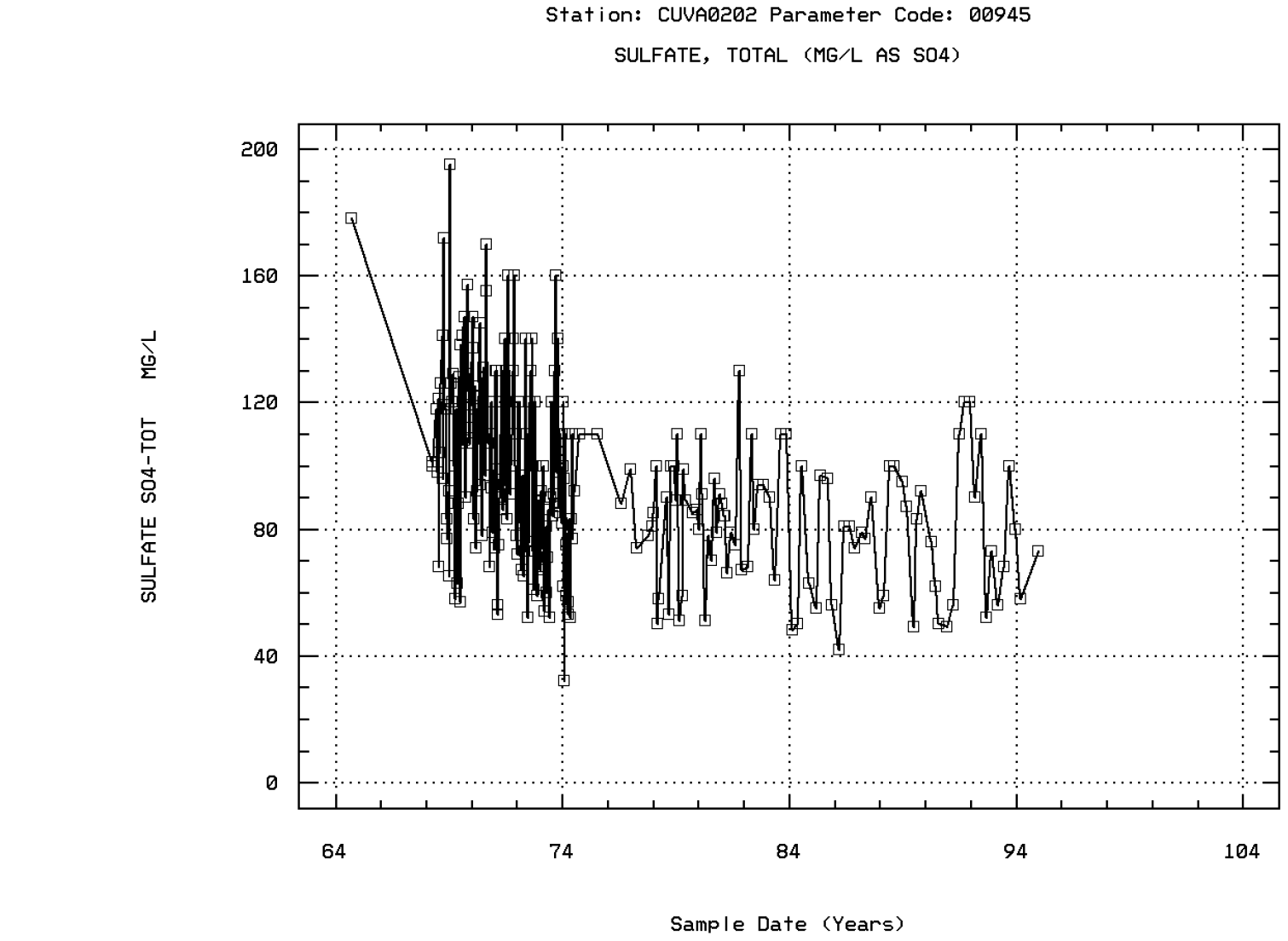
CUYAHOGA R AT INDEPENDENCE OH



CUYAHOGA R AT INDEPENDENCE OH



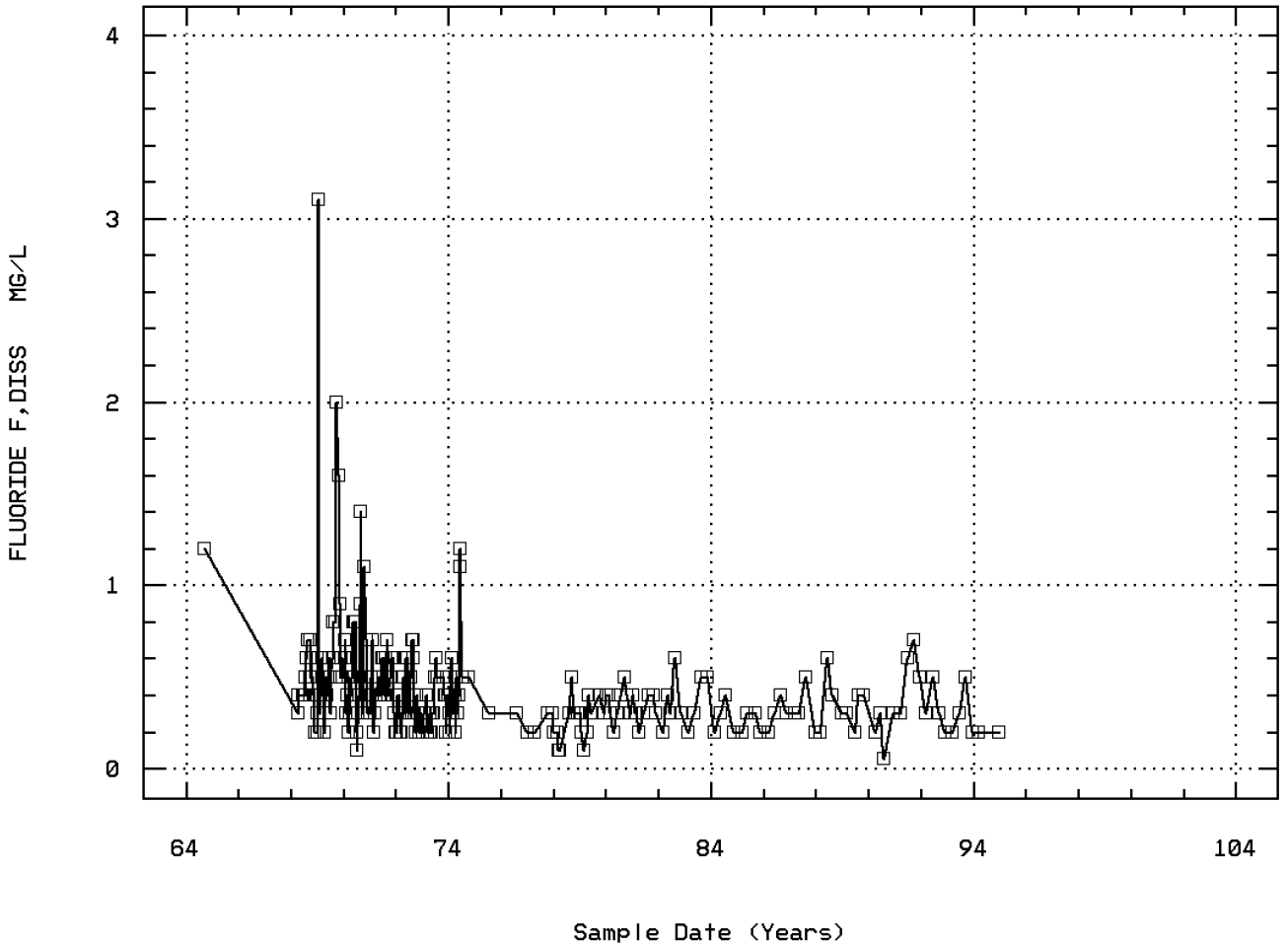
CUYAHOGA R AT INDEPENDENCE OH



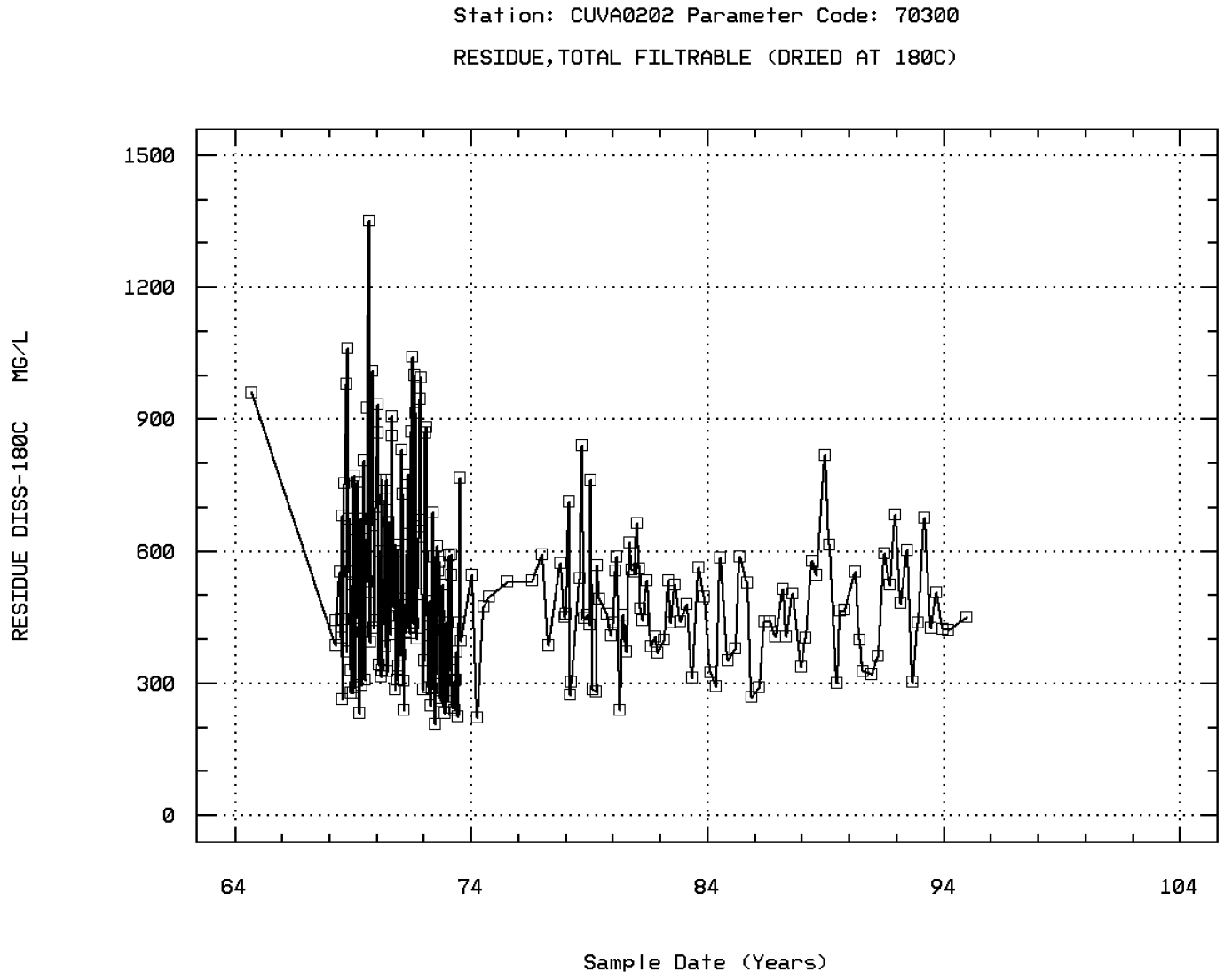
CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 00950

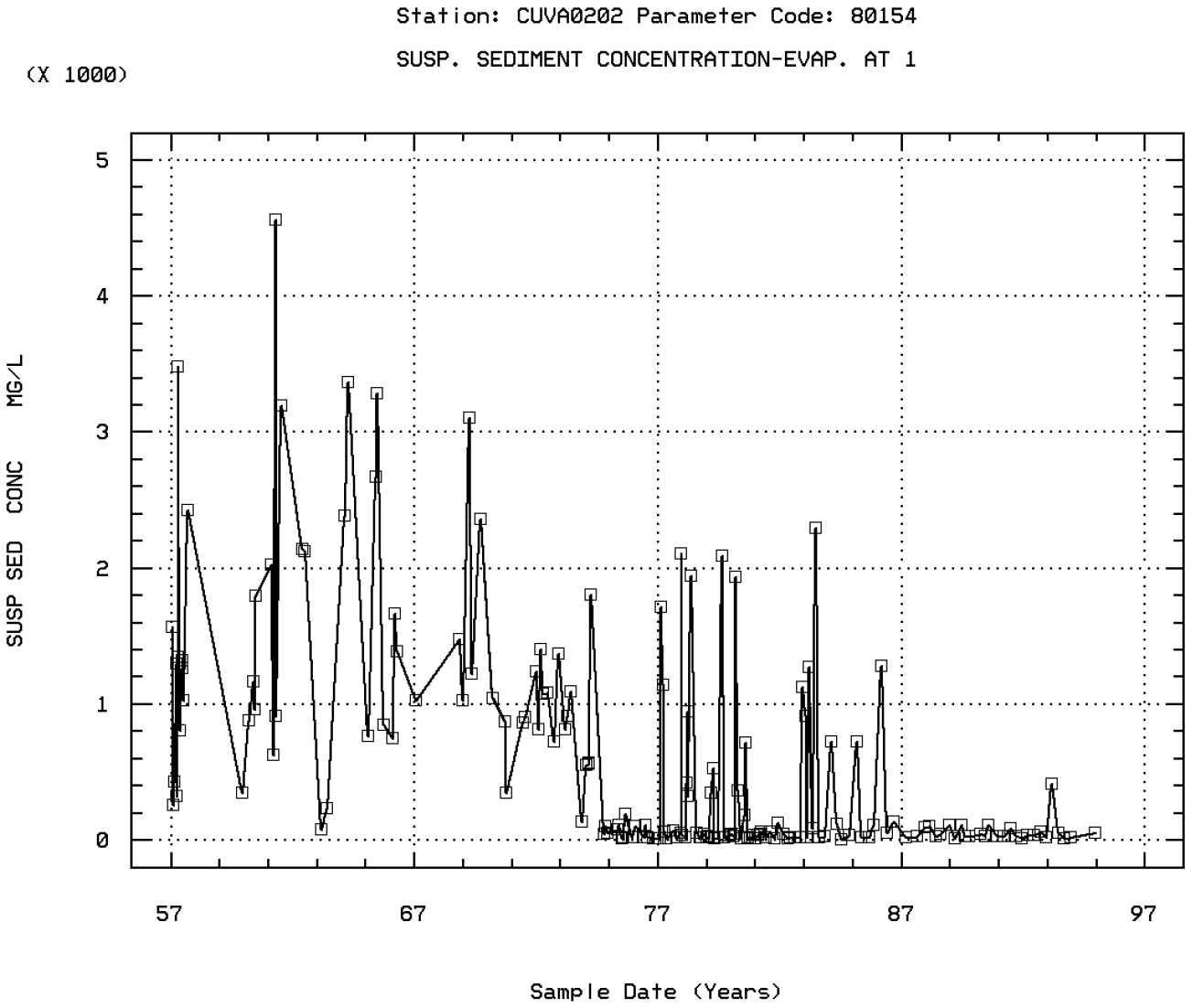
FLUORIDE, DISSOLVED (MG/L AS F)



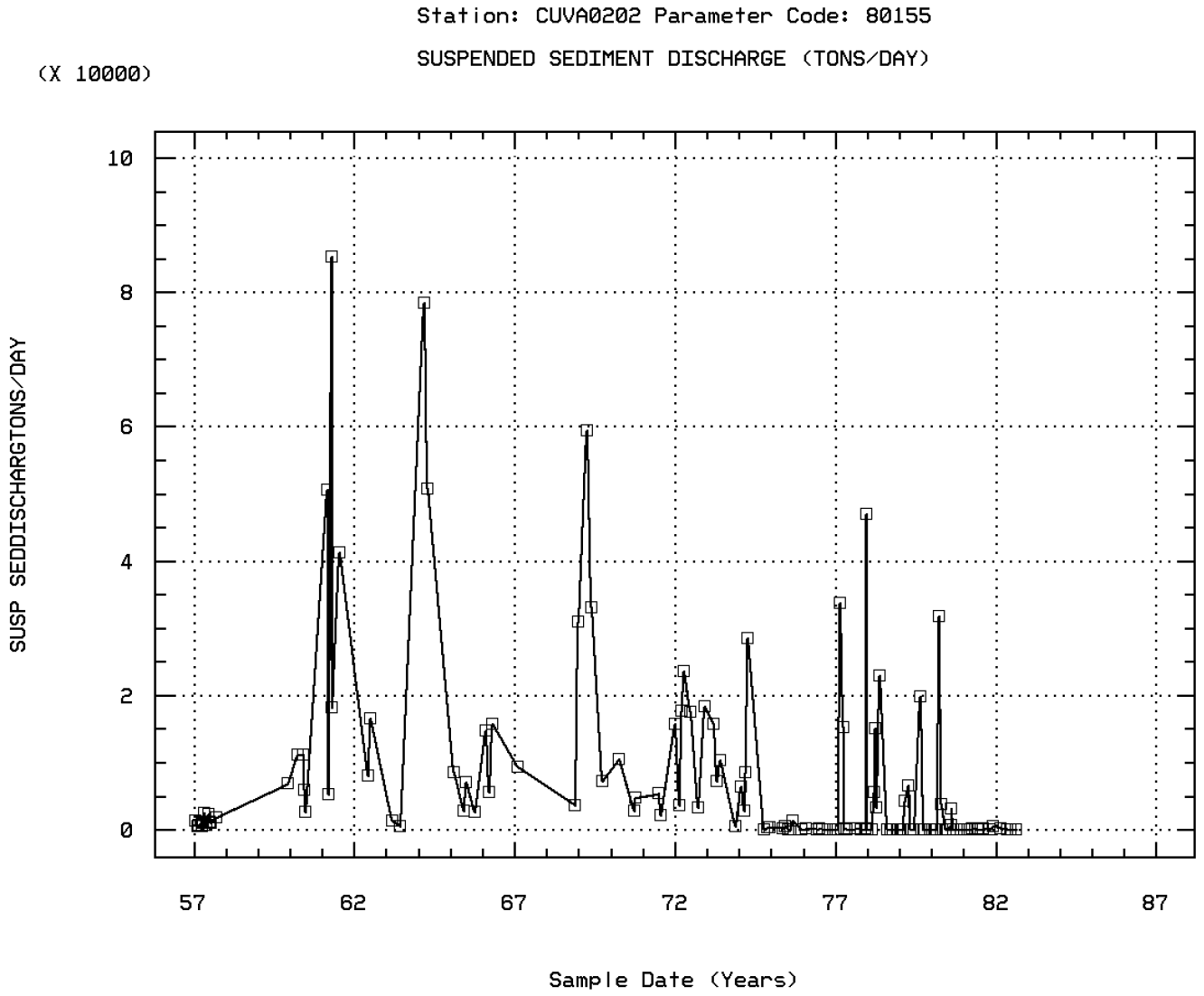
CUYAHOGA R AT INDEPENDENCE OH



CUYAHOGA R AT INDEPENDENCE OH



CUYAHOGA R AT INDEPENDENCE OH



CUYAHOGA R AT INDEPENDENCE OH

Annual Analysis for 1957 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	14	2220.	3522.857	8170.	910.	6858052.747	2618.788	1065.	1320.	6417.5	7710.
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	14	1290.	1294.429	3480.	258.	709671.341	842.42	287.5	709.25	1395.	2950.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	14	1075.	1203.357	2470.	457.	374027.786	611.578	467.	720.25	1447.5	2365.

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

Annual Analysis for 1959 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060	FLOW, STREAM, MEAN DAILY CFS	12/13/59-12/30/89	1	7410.	7410.	7410.	7410.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	1	343.	343.	343.	343.	0.	0.	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	1	6860.	6860.	6860.	6860.	0.	0.	**	**	**	**

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

Annual Analysis for 1960 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060	FLOW, STREAM, MEAN DAILY CFS	12/13/59-12/30/89	4	2925.	2763.75	4660.	545.	3134222.917	1770.374	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	4	1057.5	1196.25	1790.	880.	170689.583	413.146	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	4	8490.	7702.5	11200.	2630.	17609091.667	4196.319	**	**	**	**

** - 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 1961 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060	FLOW, STREAM, MEAN DAILY CFS	12/13/59-12/30/89	5	6920.	6304.	9280.	3160.	5650280.	2377.032	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	5	2020.	2259.8	4560.	619.	2681970.2	1637.672	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	5	41200.	40076.	85200.	5280.	960474880.	30991.529	**	**	**	**

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

Annual Analysis for 1962 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060	FLOW, STREAM, MEAN DAILY CFS	12/13/59-12/30/89	2	2135.	2135.	2890.	1380.	1140050.	1067.731	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	2	2130.	2130.	2140.	2120.	200.	14.142	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	2	12240.	12240.	16500.	7980.	36295200.	6024.55	**	**	**	**

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

Annual Analysis for 1963 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060	FLOW, STREAM, MEAN DAILY CFS	12/13/59-12/30/89	2	3706.	3706.	6550.	862.	16176672.	4022.023	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	2	152.5	152.5	233.	72.	12960.5	113.844	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	2	906.	906.	1270.	542.	264992.	514.774	**	**	**	**

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

Annual Analysis for 1964 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060	FLOW, STREAM, MEAN DAILY CFS	12/13/59-12/30/89	2	8900.	8900.	12200.	5600.	21780000.	4666.905	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	1	1610.	1610.	1610.	1610.	0.	0.	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-08/19/87	1	162.	162.	162.	162.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-12/11/90	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	1	302.	302.	302.	302.	0.	0.	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-11/19/85	1	169.	169.	169.	169.	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	1	295.	295.	295.	295.	0.	0.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	1	178.	178.	178.	178.	0.	0.	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	1	960.	960.	960.	960.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/21/64-07/28/73	1	27.	27.	27.	27.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	2	2870.	2870.	3360.	2380.	480200.	692.965	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	2	64600.	64600.	78400.	50800.	380880000.	19516.147	**	**	**	**

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

Annual Analysis for 1965 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060	FLOW, STREAM, MEAN DAILY CFS	12/13/59-12/30/89	4	977.	1626.5	4170.	382.	2973910.333	1724.503	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	4	1757.	1889.5	3280.	764.	1634163.667	1278.344	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	4	4935.	5272.5	8600.	2620.	9294758.333	3048.731	**	**	**	**

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

Annual Analysis for 1966 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060	FLOW, STREAM, MEAN DAILY CFS	12/13/59-12/30/89	3	4220.	4246.667	7280.	1240.	9120933.333	3020.088	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	3	1380.	1262.	1660.	746.	219292.	468.286	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	3	14700.	11986.667	15700.	5560.	31226533.333	5588.071	**	**	**	**

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

Annual Analysis for 1967 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060	FLOW, STREAM, MEAN DAILY CFS	12/13/59-12/30/89	1	3420.	3420.	3420.	3420.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	1	1020.	1020.	1020.	1020.	0.	0.	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	1	9420.	9420.	9420.	9420.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	16	20.5	16.5	28.	1.	68.4	8.27	4.5	8.25	22.	27.3
00060	FLOW, STREAM, MEAN DAILY CFS	12/13/59-12/30/89	18	520.	1248.389	11200.	150.	6534378.722	2556.243	151.8	256.75	874.5	3163.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	16	835.	927.563	1860.	432.	168406.929	410.374	457.2	638.5	1170.	1706.
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	16	7.5	7.519	8.4	6.7	0.386	0.621	6.7	6.9	8.15	8.33
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	16	7.489	7.182	8.4	6.7	0.507	0.712	6.7	6.9	8.15	8.33
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	16	0.032	0.066	0.2	0.004	0.005	0.07	0.005	0.007	0.126	0.2
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	16	115.	113.563	151.	72.	635.596	25.211	80.4	90.	138.5	146.1
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-08/19/87	16	138.	137.25	176.	88.	858.467	29.3	97.8	110.	166.75	174.6
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-12/11/90	16	0.	0.625	5.	0.	2.117	1.455	0.	0.	0.	3.6
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	16	220.	229.188	315.	154.	2322.163	48.189	157.5	196.25	264.75	297.5
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-11/19/85	16	117.	115.688	171.	70.	650.363	25.502	77.	102.75	133.75	153.5
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	16	111.	143.75	365.	33.	10042.867	100.214	39.3	71.75	197.5	347.5
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	16	102.5	108.375	172.	68.	654.117	25.576	74.3	93.	120.5	150.3
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	16	0.4	0.438	0.7	0.2	0.026	0.163	0.2	0.325	0.575	0.7
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	16	483.	543.	1060.	262.	55233.067	235.017	273.2	375.5	678.5	1004.
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/03/68-08/17/82	16	555.5	720.751	2010.01	275.	226711.451	476.142	280.6	394.5	874.	1702.01
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/03/68-02/15/83	16	0.655	0.739	1.44	0.36	0.102	0.319	0.374	0.513	0.92	1.363
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/21/64-07/28/73	16	14.	12.75	22.	3.3	31.321	5.597	4.07	6.775	16.75	19.9
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	2	1245.	1245.	1470.	1020.	101250.	318.198	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	2	17285.	17285.	30900.	3670.	370736450.	19254.518	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	19	17.	15.711	27.	2.	71.87	8.478	3.	7.	24.	27.
00060	FLOW, STREAM, MEAN DAILY CFS	12/13/59-12/30/89	27	630.	1471.148	10000.	140.	5039139.131	2244.803	150.4	291.	1630.	4116.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	24	879.	984.125	2360.	386.	234348.723	484.096	456.	628.75	1247.5	1740.
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	24	7.05	7.287	8.2	6.3	0.344	0.586	6.65	6.8	7.875	8.15
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	24	7.047	6.984	8.2	6.3	0.44	0.663	6.65	6.8	7.875	8.15
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	24	0.09	0.104	0.501	0.006	0.013	0.113	0.007	0.013	0.158	0.225
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	24	101.5	104.417	172.	52.	952.688	30.866	57.5	82.75	126.75	141.
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-08/19/87	24	123.5	127.375	210.	64.	1419.027	37.67	70.	101.	154.75	172.
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-12/11/90	24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	24	211.5	218.792	335.	125.	3560.52	59.67	135.	165.75	254.75	302.
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-11/19/85	24	113.	114.292	243.	16.	2238.998	47.318	64.5	74.	136.	178.5
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	24	127.5	162.875	535.	37.	14490.288	120.376	48.5	72.75	219.	351.
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	24	115.	112.083	195.	57.	1097.036	33.122	60.5	88.5	129.	152.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	24	0.5	0.733	3.1	0.2	0.419	0.647	0.3	0.4	0.8	1.8
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	24	518.	581.333	1350.	232.	71684.058	267.739	284.	398.	742.	968.
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/03/68-08/17/82	24	851.	989.211	2680.01	343.	387991.307	622.889	361.5	486.75	1360.01	1990.01
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/03/68-02/15/83	24	0.705	0.791	1.84	0.32	0.133	0.364	0.385	0.54	1.01	1.315
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/21/64-07/28/73	24	11.	14.296	41.	3.7	92.364	9.611	4.35	7.025	22.5	28.
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	3	2360.	2226.667	3100.	1220.	896933.333	947.066	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	3	33000.	33223.333	59400.	7270.	679421633.333	26065.718	**	**	**	**

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Annual Analysis for 1970 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	28	17.25	14.818	26.	0.4	74.129	8.61	4.15	6.625	23.5	25.1
00060	FLOW, STREAM, MEAN DAILY CFS	12/13/59-12/30/89	27	655.	1421.148	6240.	115.	2691081.67	1640.452	219.	346.	1630.	4842.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	24	907.5	931.5	1560.	446.	138992.87	372.817	509.5	551.75	1270.	1520.

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Annual Analysis for 1970 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	22	7.3	7.432	8.3	6.7	0.259	0.509	6.83	7.	7.95	8.27
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	22	7.3	7.212	8.3	6.7	0.31	0.557	6.83	7.	7.95	8.27
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	22	0.05	0.061	0.2	0.005	0.003	0.053	0.005	0.011	0.1	0.149
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	24	109.5	109.292	151.	63.	617.259	24.845	67.5	92.5	126.5	146.
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-08/19/87	24	133.5	132.917	184.	77.	920.254	30.336	82.	112.5	154.25	178.
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-12/11/90	24	0.	0.167	3.	0.	0.406	0.637	0.	0.	0.	0.5
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	24	232.	223.625	298.	149.	2072.071	45.52	154.5	180.	256.	293.
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-11/19/85	24	113.5	114.417	174.	65.	853.645	29.217	79.	88.5	142.5	156.5
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	24	135.	153.125	342.	38.	9204.375	95.939	54.5	70.	229.5	309.5
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	24	113.	112.	170.	68.	744.696	27.289	76.	92.25	130.25	151.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	24	0.5	0.563	1.4	0.1	0.105	0.324	0.2	0.3	0.8	1.05
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	24	514.	553.167	932.	284.	45710.58	213.8	310.	339.	749.5	888.
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/03/68-08/17/82	24	949.5	1609.333	14700.	268.	8262649.884	2874.483	307.	661.25	1277.5	2840.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/03/68-02/15/83	24	0.7	0.753	1.27	0.39	0.084	0.29	0.425	0.463	1.018	1.205
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/21/64-07/28/73	24	16.	17.733	39.	6.9	62.615	7.913	8.35	12.25	20.75	31.
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	3	868.	751.	1040.	345.	131023.	361.971	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	3	4820.	6043.333	10500.	2810.	15906433.333	3988.287	**	**	**	**

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Annual Analysis for 1971 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	28	13.5	14.018	26.	0.5	75.176	8.67	3.2	5.5	23.375	25.55
00060	FLOW, STREAM, MEAN DAILY CFS	12/13/59-12/30/89	20	639.5	1000.4	3490.	188.	925747.305	962.158	193.	257.5	1687.5	2529.
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	7	330.	1263.571	4680.	169.	2886446.952	1698.955	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	24	1060.	1058.458	1780.	424.	186322.346	431.651	522.5	671.25	1465.	1670.
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	24	7.8	7.7	8.3	6.7	0.297	0.545	6.8	7.15	8.2	8.25
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	24	7.8	7.36	8.3	6.7	0.417	0.646	6.8	7.15	8.2	8.25
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	24	0.016	0.044	0.2	0.005	0.003	0.058	0.006	0.006	0.072	0.158
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	24	131.5	117.208	153.	60.	913.824	30.23	71.	85.5	143.	151.
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-08/19/87	24	157.	142.125	187.	73.	1319.94	36.331	86.5	104.	174.	181.
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-12/11/90	24	0.	0.333	4.	0.	1.275	1.129	0.	0.	0.	2.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	24	265.	233.75	310.	120.	3441.848	58.667	150.	172.5	287.5	300.
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-11/19/85	24	130.	116.75	160.	60.	899.152	29.986	77.	88.25	140.	155.
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	24	165.	180.75	410.	50.	10898.891	104.398	63.5	82.75	255.	350.
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	24	115.	108.333	160.	53.	920.232	30.335	65.	83.75	130.	150.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	24	0.5	0.458	0.7	0.2	0.023	0.153	0.2	0.325	0.6	0.65
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	24	635.	624.167	1040.	238.	63705.71	252.4	295.	413.	861.5	997.
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/03/68-08/17/82	24	675.	1001.375	2870.	324.	477147.897	690.759	451.	503.5	1542.5	2120.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/03/68-02/15/83	24	0.865	0.848	1.41	0.32	0.118	0.343	0.4	0.563	1.175	1.355
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/21/64-07/28/73	24	18.5	17.992	31.	8.1	59.454	7.711	8.7	10.25	25.25	29.
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	3	897.	999.667	1240.	862.	43626.333	208.869	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	3	5450.	7760.	15700.	2130.	50038300.	7073.776	**	**	**	**

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Annual Analysis for 1972 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	31	11.5	12.081	23.5	0.5	51.018	7.143	1.6	5.5	19.	21.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	30	1575.	2469.	8130.	126.	5701824.414	2387.849	252.2	440.75	4132.5	6370.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	24	688.5	722.083	1500.	297.	102653.558	320.396	371.5	449.75	926.5	1270.
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	2	9.	9.	9.	9.	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	24	7.65	7.629	8.3	6.8	0.192	0.438	6.95	7.325	7.975	8.2

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Annual Analysis for 1972 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	24	7.647	7.419	8.3	6.8	0.238	0.487	6.95	7.325	7.975	8.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	24	0.023	0.038	0.158	0.005	0.002	0.041	0.006	0.011	0.048	0.113
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	24	97.5	102.25	144.	67.	596.891	24.431	71.5	79.25	126.	136.
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-08/19/87	24	118.5	124.417	175.	82.	873.471	29.555	87.	96.5	153.5	166.
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-12/11/90	24	0.	0.125	3.	0.	0.375	0.612	0.	0.	0.	0.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	24	195.	204.583	290.	130.	2756.341	52.501	135.	160.	250.	275.
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-11/19/85	24	99.	101.917	160.	56.	916.514	30.274	61.5	77.	120.	145.
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	24	87.5	98.958	320.	20.	5976.911	77.31	27.	41.75	110.	245.
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	24	85.5	92.167	140.	52.	735.971	27.129	60.	69.	120.	135.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	24	0.3	0.379	0.7	0.2	0.026	0.161	0.2	0.3	0.5	0.65
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	24	429.	446.25	882.	206.	35539.587	188.519	239.	288.5	569.	779.
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/03/68-08/17/82	24	1420.	1644.917	4430.	195.	1493868.775	1222.239	275.5	724.5	2700.	3595.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/03/68-02/15/83	24	0.585	0.606	1.2	0.28	0.066	0.256	0.325	0.39	0.773	1.06
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/21/64-07/28/73	24	12.	14.679	44.	6.6	78.603	8.866	7.	8.825	17.75	28.
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	6	1075.	1075.5	1400.	720.	77473.5	278.341	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	6	17600.	13983.333	23500.	3210.	71479706.667	8454.567	**	**	**	**

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Annual Analysis for 1973 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	26	13.5	14.673	28.5	3.	53.799	7.335	4.2	8.875	22.25	24.65
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	29	1200.	1804.379	7170.	185.	3562722.03	1887.517	226.	458.	2495.	5170.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	24	639.	745.458	1490.	369.	97407.911	312.102	394.	516.25	1001.	1225.
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	10	8.	7.93	8.5	7.2	0.142	0.377	7.25	7.7	8.175	8.49
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	10	8.	7.775	8.5	7.2	0.169	0.411	7.25	7.7	8.175	8.49
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	10	0.01	0.017	0.063	0.003	0.	0.017	0.003	0.007	0.02	0.059
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	24	104.	111.	166.	68.	671.217	25.908	77.	92.5	129.	155.5
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-08/19/87	24	126.5	134.417	196.	83.	931.471	30.52	94.	112.5	154.25	187.
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-12/11/90	24	0.	0.417	3.	0.	0.949	0.974	0.	0.	0.	2.5
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	14	195.	196.429	280.	130.	1901.648	43.608	135.	157.5	232.5	260.
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-11/19/85	14	89.5	93.214	130.	58.	647.72	25.45	60.	74.5	122.5	130.
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	24	70.5	105.833	300.	35.	5621.188	74.975	37.5	47.25	165.	230.
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	24	87.5	91.75	160.	52.	674.63	25.974	57.	75.75	100.	135.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	19	0.3	0.347	0.6	0.2	0.015	0.122	0.2	0.2	0.4	0.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	14	351.	400.	766.	224.	27356.308	165.397	231.	254.	557.	679.
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/03/68-08/17/82	14	1255.	1551.071	4690.	490.	1350318.533	1162.032	490.5	753.	1810.	4005.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/03/68-02/15/83	14	0.48	0.544	1.04	0.3	0.051	0.225	0.31	0.345	0.755	0.925
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/21/64-07/28/73	14	10.4	11.057	18.	4.7	16.716	4.089	5.85	7.6	15.	17.
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	4	859.5	735.25	1090.	132.	174986.25	418.314	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	4	8820.	8451.75	15700.	467.	40519125.583	6365.464	**	**	**	**

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Annual Analysis for 1974 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	29	9.5	10.069	26.5	1.	45.227	6.725	2.5	4.5	14.5	21.
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	31	1340.	2116.903	5950.	321.	3970162.69	1992.527	418.	496.	4340.	5804.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	24	702.5	740.	1340.	358.	86192.783	293.586	391.	461.75	937.5	1275.
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	12	8.55	8.375	11.8	4.4	5.986	2.447	4.67	6.075	10.675	11.5
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	24	7.3	7.325	8.2	6.6	0.131	0.361	6.9	7.05	7.575	7.8
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	24	7.3	7.193	8.2	6.6	0.149	0.386	6.9	7.05	7.575	7.8

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Annual Analysis for 1974 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	24	0.05	0.064	0.251	0.006	0.003	0.054	0.016	0.027	0.091	0.126
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	17	108.	110.118	233.	69.	1477.485	38.438	72.2	76.5	126.	150.6
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-08/19/87	17	132.	134.235	284.	84.	2189.441	46.791	88.	93.5	153.5	183.2
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-12/11/90	17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	11	1.	1.01	1.8	0.48	0.167	0.408	0.484	0.69	1.2	1.76
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	12	0.355	0.383	0.76	0.22	0.022	0.149	0.232	0.273	0.458	0.688
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	17	220.	204.706	250.	130.	1738.971	41.701	138.	160.	245.	250.
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-11/19/85	17	97.	93.765	140.	16.	877.941	29.63	52.8	73.5	115.	132.
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	17	98.	114.529	280.	32.	5473.14	73.981	32.8	45.	155.	256.
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	17	83.	80.647	120.	32.	640.993	25.318	48.	58.	105.	112.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	16	0.4	0.469	1.2	0.2	0.084	0.289	0.2	0.3	0.5	1.13
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	4	484.5	433.5	544.	221.	20929.667	144.671	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/03/68-08/17/82	5	677.	1048.8	2760.	411.	930150.2	964.443	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/03/68-02/15/83	5	0.67	0.616	0.74	0.3	0.033	0.181	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	7	545.	523.714	1800.	44.	378112.238	614.908	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	7	2760.	6695.143	28500.	64.	103293695.81	10163.351	**	**	**	**

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

Annual Analysis for 1975 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	7	18.	15.714	23.5	5.	64.155	8.01	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	6	1105.	1192.	2680.	264.	831275.2	911.743	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	6	605.	594.167	800.	400.	20884.167	144.514	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	6	7.7	7.7	10.3	5.9	2.48	1.575	**	**	**	**
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	6	7.5	7.533	7.8	7.4	0.023	0.151	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	6	7.5	7.514	7.8	7.4	0.023	0.152	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	6	0.032	0.031	0.04	0.016	0.	0.009	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	1	155.	155.	155.	155.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-08/19/87	1	189.	189.	189.	189.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-12/11/90	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	6	0.965	1.038	1.8	0.64	0.157	0.396	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	6	0.41	0.41	0.67	0.13	0.033	0.18	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-11/19/85	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	1	530.	530.	530.	530.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/03/68-08/17/82	1	378.	378.	378.	378.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/03/68-02/15/83	1	0.72	0.72	0.72	0.72	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	6	46.5	68.667	189.	10.	4910.267	70.073	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	6	146.5	360.017	1370.	7.1	277978.682	527.237	**	**	**	**

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Annual Analysis for 1976 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	5	20.	14.9	24.	0.5	94.175	9.704	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	5	490.	545.	875.	326.	41048.	202.603	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	5	740.	769.	900.	685.	8755.	93.568	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	5	9.	9.26	12.2	6.8	4.058	2.014	**	**	**	**
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	5	7.8	7.72	7.9	7.3	0.057	0.239	**	**	**	**

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Annual Analysis for 1976 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	5	7.8	7.657	7.9	7.3	0.062	0.249	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	5	0.016	0.022	0.05	0.013	0.	0.016	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-08/19/87	1	158.	158.	158.	158.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-12/11/90	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	5	1.2	1.24	1.4	1.1	0.013	0.114	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	5	0.45	0.438	0.53	0.31	0.006	0.08	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	1	230.	230.	230.	230.	0.	0.	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-11/19/85	1	97.	97.	97.	97.	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	1	88.	88.	88.	88.	0.	0.	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	1	534.	534.	534.	534.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/03/68-08/17/82	1	706.	706.	706.	706.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/03/68-02/15/83	1	0.73	0.73	0.73	0.73	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	5	14.	48.	109.	8.	2460.5	49.603	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	5	19.	85.6	224.	10.	10178.3	100.888	**	**	**	**

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Annual Analysis for 1977 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	7	12.5	10.429	23.	0.5	77.452	8.801	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	10	934.5	2533.1	8290.	260.	9656679.433	3107.52	266.5	444.25	5552.5	8194.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	7	920.	931.429	1080.	690.	21614.286	147.018	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	7	8.8	9.386	11.5	7.3	3.105	1.762	**	**	**	**
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	7	7.6	7.657	7.8	7.5	0.02	0.14	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	7	7.6	7.638	7.8	7.5	0.02	0.141	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	7	0.025	0.023	0.032	0.016	0.	0.007	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	4	109.	111.25	137.	90.	455.583	21.344	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-08/19/87	4	135.	136.75	167.	110.	695.583	26.374	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-12/11/90	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	5	2.8	2.58	3.3	1.4	0.577	0.76	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	7	0.37	0.421	0.68	0.31	0.02	0.143	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	4	210.	212.5	250.	180.	891.667	29.861	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-11/19/85	4	100.	99.25	110.	87.	88.917	9.43	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	4	150.	145.	190.	90.	1966.667	44.347	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	4	79.5	83.	99.	74.	122.	11.045	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	4	0.25	0.25	0.3	0.2	0.003	0.058	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	4	511.	499.75	592.	385.	9872.917	99.363	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/03/68-08/17/82	4	981.	992.75	1490.	519.	161484.917	401.852	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/03/68-02/15/83	4	0.695	0.68	0.81	0.52	0.019	0.138	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	10	55.	517.8	2100.	8.	662662.622	814.041	8.2	11.5	1282.5	2061.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	10	160.5	9664.84	47000.	5.6	294613235.616	17164.301	5.92	14.2	19925.	45680.

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Annual Analysis for 1978 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	8	8.75	10.625	25.	1.	91.339	9.557	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	10	650.5	2213.5	5920.	266.	5085196.5	2255.038	288.9	498.75	4517.5	5821.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	8	820.	886.25	1480.	480.	121048.214	347.92	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	8	11.05	10.5	13.3	5.3	7.917	2.814	**	**	**	**

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Annual Analysis for 1978 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	8	7.65	7.663	8.	7.3	0.048	0.22	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	8	7.647	7.614	8.	7.3	0.051	0.226	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	8	0.023	0.024	0.05	0.01	0.	0.013	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	8	115.	109.375	140.	66.	801.982	28.319	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-08/19/87	4	107.	111.25	150.	81.	1170.25	34.209	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-12/11/90	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	7	1.7	2.171	4.1	1.1	1.496	1.223	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	8	0.34	0.41	0.8	0.27	0.029	0.171	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	8	225.	205.	280.	110.	3285.714	57.321	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-11/19/85	8	104.	95.375	140.	38.	1016.268	31.879	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	8	115.	140.5	280.	65.	6594.857	81.209	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	8	87.5	79.5	100.	50.	490.857	22.155	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	8	0.25	0.25	0.5	0.1	0.017	0.131	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	8	455.5	502.625	840.	272.	37067.411	192.529	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/03/68-08/17/82	8	814.	1409.375	3620.	597.	1496100.554	1223.152	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/03/68-02/15/83	8	0.62	0.684	1.14	0.37	0.068	0.262	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	10	44.	378.	1940.	14.	388588.222	623.368	14.2	16.75	545.75	1840.1
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	10	72.	4691.2	22900.	10.	63363705.956	7960.132	11.3	23.	7882.5	22110.

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Annual Analysis for 1979 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	8	7.25	10.188	20.5	1.	68.638	8.285	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	9	578.	1789.	4670.	469.	3528784.25	1878.506	469.	505.5	4045.	4670.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	8	778.5	797.75	1340.	485.	70866.214	266.207	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	8	9.9	9.3	12.	6.1	5.643	2.375	**	**	**	**
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	8	7.7	7.687	7.9	7.4	0.024	0.155	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	8	7.7	7.662	7.9	7.4	0.025	0.158	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	8	0.02	0.022	0.04	0.013	0.	0.009	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	8	115.	103.5	130.	53.	805.143	28.375	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	8	1.9	2.063	3.5	1.2	0.628	0.793	**	**	**	**
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/03/79-12/15/94	2	0.5	0.5	0.6	0.4	0.02	0.141	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	8	0.32	0.389	1.	0.18	0.068	0.262	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	8	215.	198.75	250.	120.	2241.071	47.34	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-11/19/85	8	96.	96.	140.	66.	554.286	23.543	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	8	99.	120.875	260.	68.	3986.696	63.14	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	8	87.5	83.5	110.	51.	381.143	19.523	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	8	0.3	0.275	0.4	0.1	0.011	0.104	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	8	444.5	459.875	761.	280.	24203.554	155.575	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/03/68-08/17/82	8	791.5	1464.625	3530.	593.	1659562.839	1288.24	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/03/68-02/15/83	8	0.605	0.626	1.04	0.38	0.045	0.213	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	9	23.	341.	2090.	8.	464567.75	681.592	8.	14.5	434.5	2090.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	9	36.	3428.444	19800.	11.	43500025.528	6595.455	11.	19.5	5440.	19800.

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Annual Analysis for 1980 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	9	8.5	11.111	23.5	2.	70.611	8.403	2.	3.25	20.5	23.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	11	569.	1484.727	6100.	224.	3473391.218	1863.704	247.6	360.	1610.	5662.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	9	930.	835.	1050.	465.	45062.5	212.279	465.	650.	1000.	1050.
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	9	9.8	9.011	11.8	6.3	4.564	2.136	6.3	6.55	10.7	11.8

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Annual Analysis for 1980 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	9	7.7	7.678	7.9	7.4	0.027	0.164	7.4	7.55	7.8	7.9
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	9	7.7	7.649	7.9	7.4	0.028	0.167	7.4	7.55	7.8	7.9
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	9	0.02	0.022	0.04	0.013	0.	0.009	0.013	0.016	0.028	0.04
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	7	130.	125.286	160.	77.	742.238	27.244	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	9	1.6	2.262	5.4	0.88	3.003	1.733	0.88	0.99	3.8	5.4
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/03/79-12/15/94	9	1.5	1.8	3.3	0.7	0.793	0.89	0.7	1.15	2.6	3.3
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	9	0.38	0.451	0.91	0.07	0.061	0.248	0.07	0.335	0.61	0.91
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	9	230.	220.	300.	130.	2150.	46.368	130.	195.	240.	300.
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-11/19/85	9	91.	93.778	140.	56.	598.694	24.468	56.	76.	110.	140.
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	9	140.	121.222	190.	39.	2546.444	50.462	39.	77.	160.	190.
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	9	80.	82.889	110.	51.	283.611	16.841	51.	74.	93.5	110.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	9	0.4	0.356	0.5	0.2	0.008	0.088	0.2	0.3	0.4	0.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	9	552.	485.333	619.	238.	15036.5	122.623	238.	403.5	572.	619.
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/03/68-08/17/82	9	671.	954.333	2510.	374.	460174.75	678.362	374.	526.	1295.	2510.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/03/68-02/15/83	9	0.75	0.659	0.84	0.32	0.028	0.168	0.32	0.545	0.78	0.84
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	11	38.	305.182	1930.	6.	337153.964	580.65	7.2	18.	359.	1686.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	11	62.	3604.682	31800.	5.5	89276524.914	9448.626	6.6	15.	3090.	26198.

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Annual Analysis for 1981 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	17	24.5	18.118	24.7	0.5	82.225	9.068	2.1	10.	24.5	24.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	8	568.5	699.5	1500.	240.	161336.571	401.667	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	07/02/81-09/15/92	9	4.	3.444	5.	1.	1.778	1.333	1.	2.5	4.5	5.
00065	STAGE, STREAM (FEET)	07/02/81-12/15/94	9	2.84	2.84	2.84	2.84	0.	0.	2.84	2.84	2.84	2.84
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	17	1110.	976.412	1125.	630.	36002.132	189.742	638.	792.5	1120.	1122.6
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	17	8.	8.912	12.6	7.2	2.881	1.697	7.36	8.	10.15	12.04
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	17	7.5	7.565	7.8	7.4	0.03	0.173	7.4	7.4	7.8	7.8
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	17	7.5	7.535	7.8	7.4	0.031	0.176	7.4	7.4	7.8	7.8
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	17	0.032	0.029	0.04	0.016	0.	0.01	0.016	0.016	0.04	0.04
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	8	1.6	1.879	3.7	0.76	1.04	1.02	**	**	**	**
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/03/79-12/15/94	8	1.75	1.688	2.5	0.8	0.433	0.658	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	8	0.365	0.404	0.62	0.27	0.014	0.119	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	8	205.	206.25	250.	170.	855.357	29.246	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-11/19/85	6	85.5	90.667	120.	60.	458.267	21.407	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	8	125.	122.625	210.	38.	3005.411	54.822	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	8	81.5	84.125	130.	66.	407.268	20.181	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	8	0.3	0.325	0.4	0.2	0.005	0.071	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	8	456.	478.25	662.	369.	10115.929	100.578	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/03/68-08/17/82	8	708.	837.	1490.	429.	134202.	366.336	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/03/68-02/15/83	8	0.62	0.649	0.9	0.5	0.019	0.137	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	8	37.5	44.25	120.	9.	1368.786	36.997	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	8	60.5	115.85	486.	5.8	25492.409	159.663	**	**	**	**

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Annual Analysis for 1982 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	14	17.9	15.75	23.5	3.5	50.96	7.139	6.25	9.	22.4	23.45
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	7	366.	1170.	5590.	181.	3889343.	1972.142	**	**	**	**
00065	STAGE, STREAM (FEET)	07/02/81-12/15/94	4	2.77	2.77	2.77	2.77	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	14	745.	780.214	930.	656.	7330.951	85.621	663.	712.5	853.75	900.

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Annual Analysis for 1982 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	14	9.8	9.15	13.4	5.5	4.57	2.138	5.8	7.55	10.4	11.9
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	14	7.75	7.814	8.3	7.6	0.058	0.241	7.6	7.6	8.	8.25
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	14	7.747	7.76	8.3	7.6	0.061	0.248	7.6	7.6	8.	8.25
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	14	0.018	0.017	0.025	0.005	0.	0.008	0.006	0.01	0.025	0.025
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	5	2.1	2.228	4.9	0.7	2.982	1.727	**	**	**	**
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/03/79-12/15/94	5	2.4	2.6	4.2	1.1	1.315	1.147	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	5	0.35	0.326	0.41	0.22	0.006	0.076	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	5	230.	226.	250.	180.	830.	28.81	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	5	96.	99.2	130.	78.	455.2	21.335	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	5	94.	89.2	110.	68.	253.2	15.912	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	5	0.3	0.36	0.6	0.2	0.023	0.152	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	5	440.	465.8	533.	397.	3475.7	58.955	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/03/68-08/17/82	4	490.	611.	1160.	304.	141698.	376.428	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/03/68-02/15/83	5	0.6	0.632	0.72	0.54	0.006	0.079	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	6	19.5	204.	1120.	6.	201521.2	448.911	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	4	14.5	39.85	125.	5.4	3249.023	57.	**	**	**	**

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Annual Analysis for 1983 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	4	13.75	13.875	23.5	4.5	61.229	7.825	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	7	1260.	3032.143	10400.	223.	13432156.81	3664.991	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	4	840.	771.25	905.	500.	33656.25	183.456	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	4	9.45	9.45	11.5	7.4	2.803	1.674	**	**	**	**
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	4	7.75	7.7	7.9	7.4	0.047	0.216	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	4	7.747	7.657	7.9	7.4	0.049	0.222	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	4	0.018	0.022	0.04	0.013	0.	0.012	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	4	1.35	1.7	3.2	0.9	1.06	1.03	**	**	**	**
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/03/79-12/15/94	4	2.75	2.625	3.8	1.2	1.629	1.276	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	4	0.37	0.38	0.57	0.21	0.025	0.158	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	1	210.	210.	210.	210.	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	4	108.5	103.75	140.	58.	1238.917	35.198	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	4	100.	93.5	110.	64.	475.667	21.81	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	4	0.4	0.375	0.5	0.2	0.023	0.15	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	4	488.5	462.5	562.	311.	11449.667	107.003	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/03/68-02/15/83	1	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	7	82.	657.571	2290.	13.	777060.619	881.51	**	**	**	**

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Annual Analysis for 1984 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	4	10.5	12.75	25.5	4.5	84.417	9.188	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	4	1870.	2904.75	7640.	239.	10704010.25	3271.698	**	**	**	**
00065	STAGE, STREAM (FEET)	07/02/81-12/15/94	1	11.52	11.52	11.52	11.52	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	4	577.5	606.25	840.	430.	30056.25	173.367	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	4	9.55	10.	11.8	9.1	1.5	1.225	**	**	**	**
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	4	7.8	7.85	8.2	7.6	0.07	0.265	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	4	7.789	7.796	8.2	7.6	0.074	0.272	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	4	0.016	0.016	0.025	0.006	0.	0.008	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	1	116.	116.	116.	116.	0.	0.	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	4	2.05	2.025	2.9	1.1	0.916	0.957	**	**	**	**

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Annual Analysis for 1984 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/03/79-12/15/94	4	1.4	1.8	3.4	1.	1.233	1.111	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	4	0.3	0.33	0.52	0.2	0.019	0.137	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	4	94.	86.5	110.	48.	886.333	29.771	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	4	56.5	65.25	100.	48.	580.917	24.102	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	4	0.25	0.275	0.4	0.2	0.009	0.096	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	4	338.5	388.5	585.	292.	17763.	133.278	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	4	73.	217.5	720.	4.	114515.667	338.402	**	**	**	**

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Annual Analysis for 1985 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	10	22.	19.31	22.5	7.	29.461	5.428	7.45	18.625	22.025	22.46
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	5	335.	1261.6	3070.	244.	1845182.3	1358.375	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	07/02/81-09/15/92	5	3.	3.	5.	1.	2.5	1.581	**	**	**	**
00065	STAGE, STREAM (FEET)	07/02/81-12/15/94	5	2.47	2.47	2.47	2.47	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	10	827.5	778.2	900.	426.	22651.067	150.503	442.4	766.25	849.75	900.
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	9	9.3	9.378	11.2	8.1	0.794	0.891	8.1	8.85	9.85	11.2
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	10	8.095	8.062	8.21	7.7	0.03	0.173	7.72	7.975	8.21	8.21
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	10	8.085	8.028	8.21	7.7	0.031	0.177	7.72	7.975	8.21	8.21
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	10	0.008	0.009	0.02	0.006	0.	0.004	0.006	0.006	0.011	0.019
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	5	133.	121.8	165.	66.	2179.7	46.687	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	4	1.6	1.65	2.3	1.1	0.35	0.592	**	**	**	**
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/03/79-12/15/94	4	2.05	2.775	5.8	1.2	4.363	2.089	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	4	0.26	0.27	0.41	0.15	0.012	0.112	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-11/19/85	1	75.	75.	75.	75.	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	5	110.	101.8	130.	45.	1236.2	35.16	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	5	96.	80.2	97.	55.	508.7	22.554	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	5	0.3	0.26	0.3	0.2	0.003	0.055	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	5	527.	469.6	588.	267.	20192.3	142.1	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	4	62.	216.25	723.	18.	115737.583	340.202	**	**	**	**

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Annual Analysis for 1986 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	9	20.5	17.144	21.	4.5	47.503	6.892	4.5	12.95	20.7	21.
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	4	1302.	2135.75	5780.	159.	6804634.917	2608.57	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	07/02/81-09/15/92	5	3.	3.	5.	1.	2.5	1.581	**	**	**	**
00065	STAGE, STREAM (FEET)	07/02/81-12/15/94	7	2.18	2.783	6.4	2.18	2.544	1.595	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	9	770.	732.778	775.	545.	6425.694	80.16	545.	712.5	770.	775.
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	9	9.4	9.9	12.4	8.4	1.833	1.354	8.4	9.25	10.85	12.4
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	9	8.3	8.193	8.4	7.5	0.092	0.303	7.5	8.02	8.4	8.4
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	9	8.3	8.069	8.4	7.5	0.109	0.33	7.5	8.02	8.4	8.4
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	9	0.005	0.009	0.032	0.004	0.	0.009	0.004	0.004	0.01	0.032
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	4	126.5	153.	287.	72.	8728.667	93.427	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	4	1.15	1.275	2.	0.8	0.263	0.512	**	**	**	**
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/03/79-12/15/94	4	2.25	2.275	3.8	0.8	1.876	1.37	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	4	0.28	0.29	0.43	0.17	0.012	0.112	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	4	94.	95.75	110.	85.	132.25	11.5	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	4	77.5	69.5	81.	42.	347.	18.628	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	4	0.3	0.3	0.4	0.2	0.007	0.082	**	**	**	**

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Annual Analysis for 1986 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	4	422.	393.25	440.	289.	5118.25	71.542	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	3	130.	486.667	1280.	50.	473633.333	688.21	**	**	**	**

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Annual Analysis for 1987 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	21	13.5	13.552	24.5	2.4	119.992	10.954	2.4	2.4	24.5	24.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	88	489.5	666.898	2060.	159.	196216.576	442.963	258.	351.25	873.5	1314.
00064	DEPTH OF STREAM, MEAN (FT)	07/02/81-09/15/92	9	1.5	1.9	4.	1.3	0.767	0.876	1.3	1.4	2.25	4.
00065	STAGE, STREAM (FEET)	07/02/81-12/15/94	17	5.84	4.51	5.99	2.18	2.722	1.65	2.492	2.57	5.84	5.87
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	21	700.	784.429	1039.	610.	30933.757	175.88	624.	625.	953.	1034.8
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	21	10.1	10.31	11.8	7.9	2.37	1.539	7.92	8.75	11.7	11.7
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	21	8.11	8.029	8.59	7.56	0.137	0.371	7.568	7.64	8.37	8.478
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	21	8.11	7.891	8.59	7.56	0.157	0.397	7.568	7.64	8.37	8.478
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	21	0.008	0.013	0.028	0.003	0.	0.01	0.003	0.004	0.023	0.027
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	4	119.5	122.25	151.	99.	474.25	21.777	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/21/64-08/19/87	1	174.	174.	174.	174.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-12/11/90	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	89	1.1	1.565	39.1	0.6	16.356	4.044	0.7	0.9	1.3	1.8
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/03/79-12/15/94	90	2.1	2.241	3.8	1.1	0.346	0.588	1.7	1.8	2.6	3.09
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	90	0.26	0.34	2.51	0.11	0.086	0.294	0.191	0.22	0.34	0.58
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	90	99.5	121.511	400.	69.	3365.152	58.01	85.	88.	134.5	187.2
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	4	78.	75.25	90.	55.	214.917	14.66	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	4	0.3	0.325	0.5	0.2	0.016	0.126	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	4	454.5	439.75	513.	337.	7086.25	84.18	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	3	22.	42.667	92.	14.	1841.333	42.911	**	**	**	**

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Annual Analysis for 1988 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	4	14.2	15.175	30.	2.3	185.576	13.623	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	295	455.	781.336	6780.	104.	824027.788	907.76	142.	224.	958.	1764.
00065	STAGE, STREAM (FEET)	07/02/81-12/15/94	3	2.64	3.08	4.31	2.29	1.165	1.079	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	4	817.5	953.25	1500.	678.	143522.25	378.843	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	4	7.95	9.25	14.	7.1	10.67	3.266	**	**	**	**
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	4	7.95	7.95	8.1	7.8	0.017	0.129	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	4	7.947	7.936	8.1	7.8	0.017	0.13	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	4	0.011	0.012	0.016	0.008	0.	0.003	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	4	132.	128.25	173.	76.	1880.917	43.37	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-12/11/90	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	295	0.8	1.054	7.4	0.3	0.631	0.795	0.6	0.7	1.1	1.7
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/03/79-12/15/94	295	2.2	2.496	7.4	0.2	1.297	1.139	1.2	1.5	3.5	4.1
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	297	0.18	0.246	4.37	0.05	0.093	0.305	0.1	0.12	0.27	0.414
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	299	120.	124.983	300.	58.	1248.037	35.328	94.	109.	130.	155.
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	4	97.5	88.5	100.	59.	392.333	19.807	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	4	0.35	0.375	0.6	0.2	0.029	0.171	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	4	561.	585.5	818.	402.	29835.667	172.73	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	4	67.5	66.75	104.	28.	1504.917	38.793	**	**	**	**

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Annual Analysis for 1989 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	4	19.	16.375	23.5	4.	83.229	9.123	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	12/13/59-12/30/89	54	700.	789.667	2500.	190.	292337.623	540.683	210.	376.	1062.5	1500.
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	335	645.	1126.254	14000.	148.	2252653.358	1500.884	280.6	423.	1070.	2524.
00065	STAGE, STREAM (FEET)	07/02/81-12/15/94	4	3.65	3.883	5.41	2.82	1.191	1.091	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	4	735.5	666.75	860.	336.	52684.917	229.532	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	4	9.85	9.95	12.5	7.6	4.017	2.004	**	**	**	**
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	4	8.25	8.2	8.5	7.8	0.087	0.294	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	4	8.247	8.12	8.5	7.8	0.095	0.308	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	4	0.006	0.008	0.016	0.003	0.	0.006	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	4	129.5	137.	182.	107.	1172.667	34.244	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	389	0.9	1.061	5.7	0.1	0.372	0.61	0.66	0.795	1.11	1.6
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/03/79-12/15/94	389	1.9	1.992	4.2	0.05	0.595	0.772	1.	1.5	2.5	3.2
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	389	0.134	0.539	133.	0.005	45.387	6.737	0.07	0.091	0.2	0.38
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	389	103.	108.129	440.	5.	2238.726	47.315	57.	80.5	124.	159.
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	4	85.	77.75	92.	49.	380.917	19.517	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	4	0.35	0.325	0.4	0.2	0.009	0.096	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	4	465.5	461.5	615.	300.	16559.	128.682	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	4	24.	41.25	106.	11.	1903.583	43.63	**	**	**	**

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Annual Analysis for 1990 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	4	12.25	12.25	23.	1.5	107.417	10.364	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	177	1200.	1618.079	9290.	382.	2039397.232	1428.075	566.8	849.	1735.	3036.
00065	STAGE, STREAM (FEET)	07/02/81-12/15/94	4	4.46	4.23	4.52	3.48	0.252	0.502	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	4	606.	668.	910.	550.	28016.	167.38	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	4	10.15	10.575	12.7	9.3	2.542	1.595	**	**	**	**
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	4	8.05	8.075	8.2	8.	0.009	0.096	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	4	8.047	8.067	8.2	8.	0.009	0.096	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	4	0.009	0.009	0.01	0.006	0.	0.002	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	4	124.	120.25	133.	100.	206.25	14.361	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/21/64-12/11/90	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	262	0.81	0.956	5.36	0.1	0.273	0.523	0.603	0.68	1.	1.474
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/03/79-12/15/94	262	1.4	1.44	2.6	0.5	0.184	0.429	0.9	1.175	1.7	2.
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	262	0.123	0.2	1.7	0.039	0.045	0.213	0.066	0.088	0.212	0.422
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	262	78.	86.996	337.	31.	1949.176	44.149	48.	61.	99.	139.7
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	4	56.	59.25	76.	49.	159.583	12.633	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	4	0.25	0.213	0.3	0.05	0.014	0.118	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	4	362.	398.75	552.	319.	11665.583	108.007	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	4	34.	49.75	108.	23.	1601.583	40.02	**	**	**	**

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

Annual Analysis for 1991 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	38	14.2	16.516	25.5	7.3	16.935	4.115	14.2	14.2	21.125	22.05
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	12	476.	511.25	1080.	151.	66943.295	258.734	177.1	294.	691.25	984.
00064	DEPTH OF STREAM, MEAN (FT)	07/02/81-09/15/92	24	3.55	3.458	4.6	1.5	0.865	0.93	1.5	2.975	4.2	4.6
00065	STAGE, STREAM (FEET)	07/02/81-12/15/94	38	2.88	3.039	5.07	2.51	0.226	0.476	2.851	2.88	2.948	3.592
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	38	1022.	915.158	1094.	430.	30593.488	174.91	648.7	727.5	1023.	1024.4
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	28	10.6	10.475	11.9	8.2	0.462	0.68	9.86	10.4	10.775	10.91
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	30	7.94	7.951	8.6	7.3	0.045	0.213	7.712	7.9	8.	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 1991 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	30	7.94	7.898	8.6	7.3	0.048	0.22	7.712	7.9	8.	8.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	30	0.011	0.013	0.05	0.003	0.	0.008	0.006	0.01	0.013	0.019
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	4	154.	147.5	161.	121.	323.	17.972	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	397	0.74	0.867	5.33	0.1	0.291	0.539	0.52	0.64	0.91	1.196
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/03/79-12/15/94	394	3.3	3.094	6.	0.8	1.937	1.392	1.2	1.7	4.3	4.9
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	397	0.16	0.207	1.478	0.053	0.03	0.173	0.085	0.117	0.235	0.347
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	403	111.	117.744	497.	34.	2334.768	48.319	75.	95.	125.	149.6
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	4	115.	101.5	120.	56.	942.333	30.697	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	4	0.55	0.525	0.7	0.3	0.029	0.171	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	4	559.	540.5	682.	362.	18339.667	135.424	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	4	26.5	36.	83.	8.	1059.333	32.547	**	**	**	**

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Annual Analysis for 1992 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	28	18.6	17.689	19.5	3.	11.297	3.361	16.7	18.5	18.6	18.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	8	1132.	1047.75	1440.	253.	189092.786	434.848	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	07/02/81-09/15/92	24	5.35	5.2	6.	3.8	0.483	0.695	3.8	4.8	5.775	6.
00065	STAGE, STREAM (FEET)	07/02/81-12/15/94	8	4.595	4.321	4.97	2.62	0.655	0.809	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	28	477.	519.357	1030.	476.	16642.386	129.005	476.	476.	477.	770.2
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	28	8.	8.193	10.7	7.9	0.384	0.619	7.9	7.9	8.1	8.64
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	28	7.88	7.905	8.16	7.72	0.02	0.14	7.739	7.77	8.018	8.112
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	28	7.88	7.884	8.16	7.72	0.02	0.142	7.739	7.77	8.017	8.112
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	28	0.013	0.013	0.019	0.007	0.	0.004	0.008	0.01	0.017	0.018
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	4	121.5	125.5	154.	105.	425.667	20.632	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	269	0.74	0.873	4.47	0.1	0.249	0.499	0.54	0.615	0.905	1.38
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/03/79-12/15/94	278	2.1	2.209	4.8	0.05	1.328	1.152	0.79	1.4	3.1	3.9
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	269	0.131	0.188	1.866	0.064	0.037	0.192	0.081	0.103	0.189	0.357
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	282	106.5	115.794	355.	5.	3372.392	58.072	53.	80.75	132.25	207.
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	4	81.5	81.25	110.	52.	608.917	24.676	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	4	0.3	0.325	0.5	0.2	0.016	0.126	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	4	458.5	455.5	602.	303.	15249.667	123.49	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	4	37.	35.75	54.	15.	255.583	15.987	**	**	**	**

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

Annual Analysis for 1993 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	9	22.7	18.489	24.5	1.5	75.619	8.696	1.5	13.2	22.95	24.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	10	1115.	1245.9	3890.	168.	1011572.1	1005.769	204.2	653.	1292.	3647.
00065	STAGE, STREAM (FEET)	07/02/81-12/15/94	9	4.61	4.883	9.49	2.57	3.666	1.915	2.57	3.91	5.1	9.49
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	9	511.	677.778	1300.	482.	76610.694	276.786	482.	493.5	822.	1300.
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	4	10.55	10.775	14.	8.	9.749	3.122	**	**	**	**
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	4	7.89	7.88	8.32	7.42	0.148	0.385	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	4	7.868	7.757	8.32	7.42	0.168	0.41	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	4	0.014	0.017	0.038	0.005	0.	0.015	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	4	100.	108.	145.	87.	712.667	26.696	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	519	0.73	0.931	6.31	0.1	0.502	0.708	0.46	0.59	0.98	1.54
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/03/79-12/15/94	519	2.	2.403	7.	0.05	2.309	1.52	0.8	1.2	3.5	4.7
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	518	0.144	0.253	2.724	0.02	0.111	0.333	0.092	0.116	0.238	0.443
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	525	92.	95.722	371.	5.	2764.415	52.578	46.	61.	113.	143.6
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	4	74.	76.	100.	56.	352.	18.762	**	**	**	**

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Annual Analysis for 1993 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	4	0.25	0.3	0.5	0.2	0.02	0.141	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	4	465.5	507.5	676.	423.	14060.333	118.576	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	4	30.5	119.75	409.	9.	37447.583	193.514	**	**	**	**

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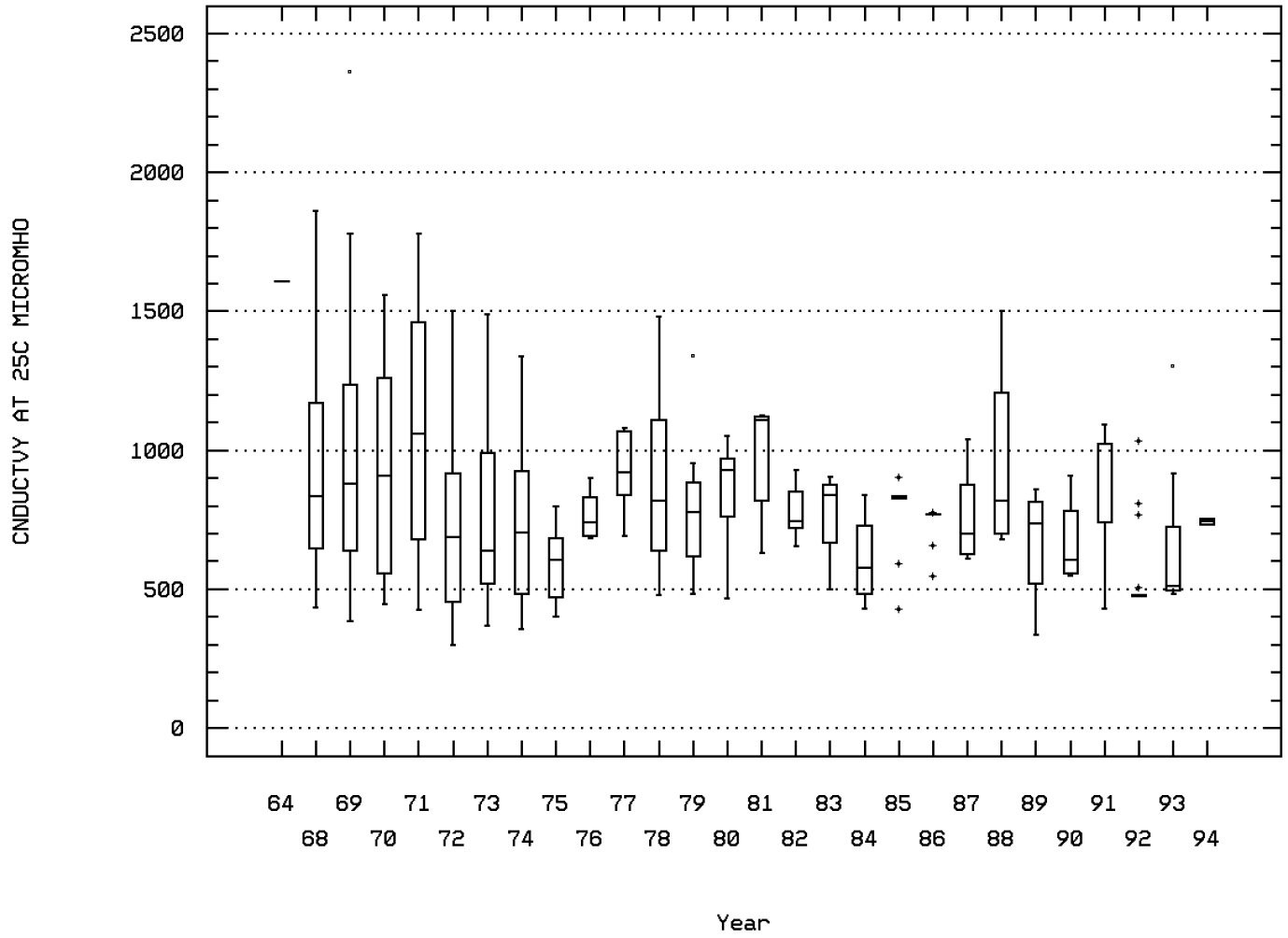
Annual Analysis for 1994 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	3	3.3	8.1	18.5	2.5	81.28	9.016	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	2	1110.	1110.	1600.	620.	480200.	692.965	**	**	**	**
00065	STAGE, STREAM (FEET)	07/02/81-12/15/94	2	3.275	3.275	3.71	2.84	0.378	0.615	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	3	745.	743.667	752.	734.	82.333	9.074	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	3	12.8	11.367	13.2	8.1	8.043	2.836	**	**	**	**
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	3	7.9	7.873	8.1	7.62	0.058	0.241	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	3	7.9	7.829	8.1	7.62	0.061	0.247	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	3	0.013	0.015	0.024	0.008	0.	0.008	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	2	109.5	109.5	130.	89.	840.5	28.991	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	523	0.94	1.075	11.6	0.34	0.637	0.798	0.53	0.66	1.23	1.602
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/03/79-12/15/94	513	2.4	2.609	9.4	0.05	4.334	2.082	0.2	0.7	3.8	5.6
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	524	0.14	0.213	4.598	0.012	0.089	0.299	0.078	0.108	0.211	0.382
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	524	94.5	104.067	636.	5.	7581.672	87.073	27.	38.25	124.75	199.
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	2	65.5	65.5	73.	58.	112.5	10.607	**	**	**	**
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	2	434.5	434.5	450.	419.	480.5	21.92	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	1	53.	53.	53.	53.	0.	0.	**	**	**	**

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Station: CUVA0202 Parameter Code: 00095

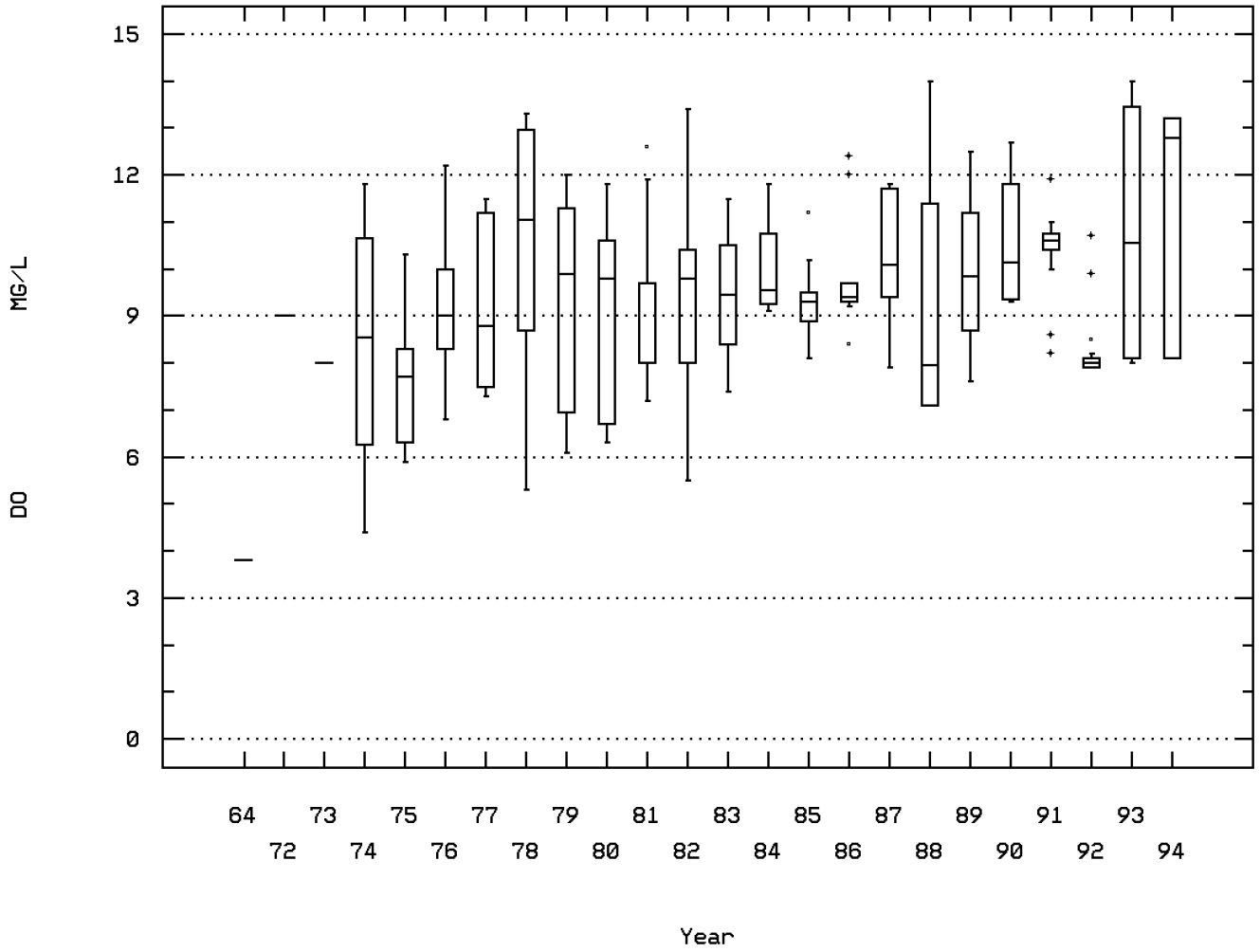
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



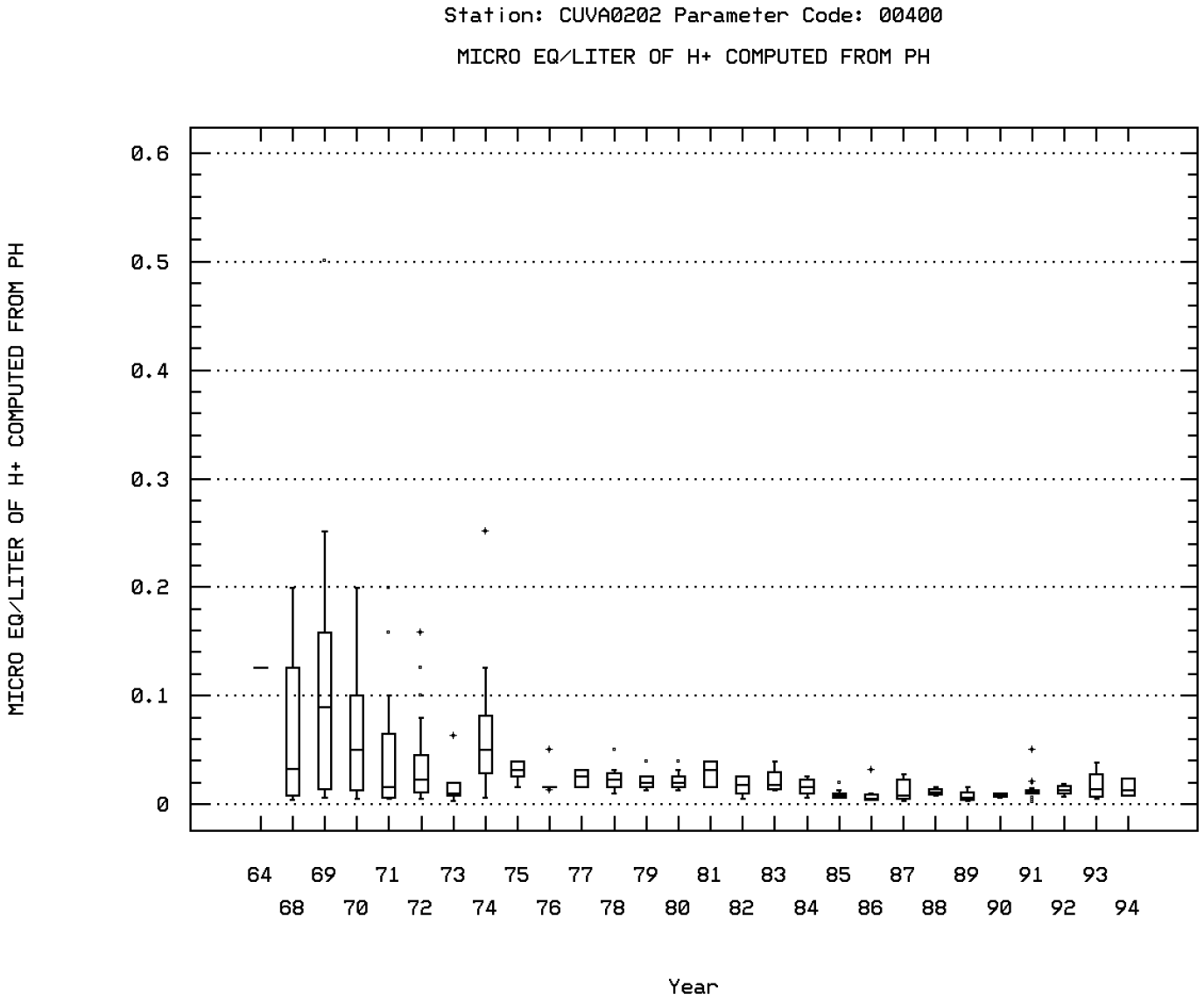
CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 00300

OXYGEN, DISSOLVED



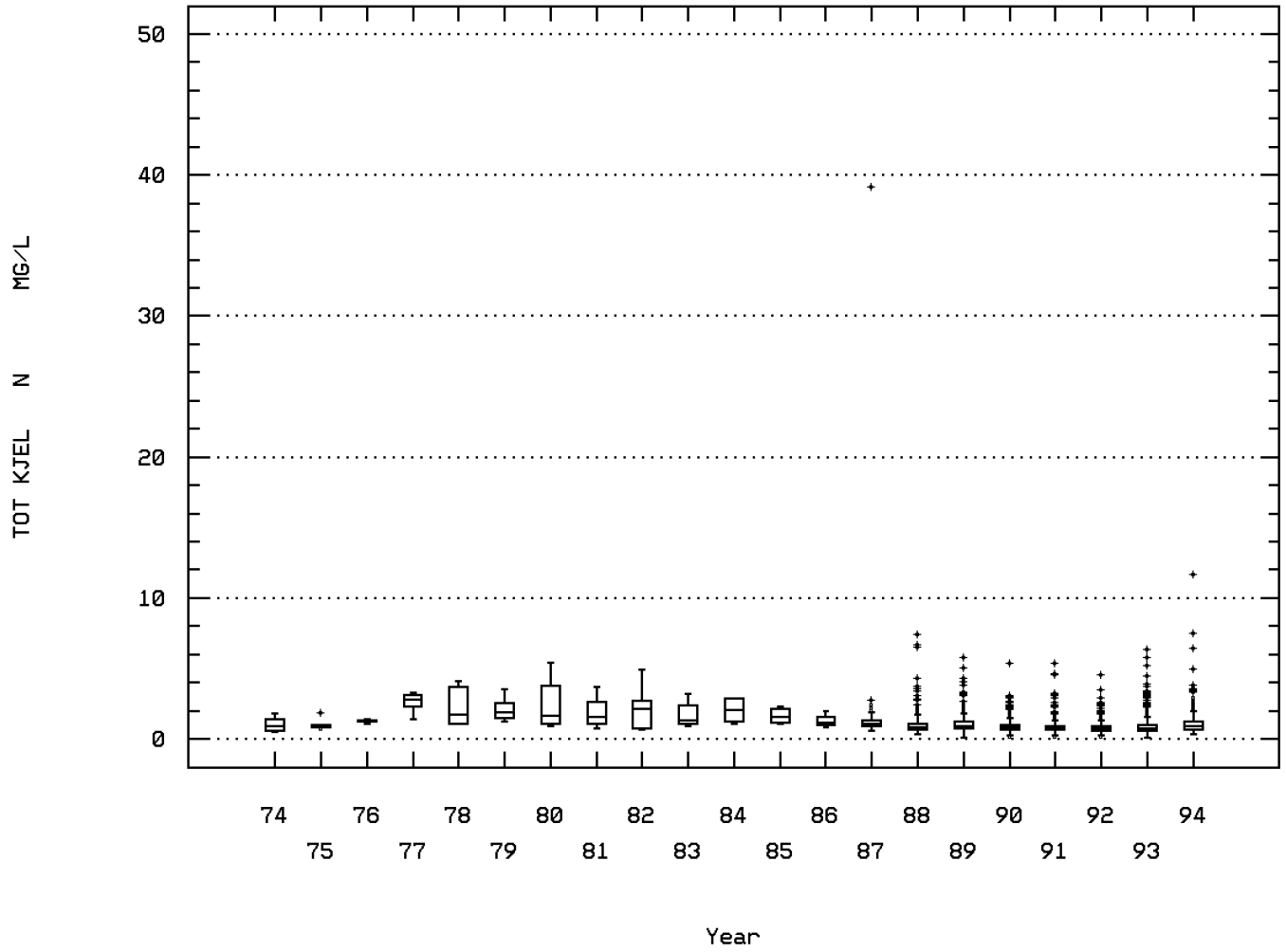
CUYAHOGA R AT INDEPENDENCE OH



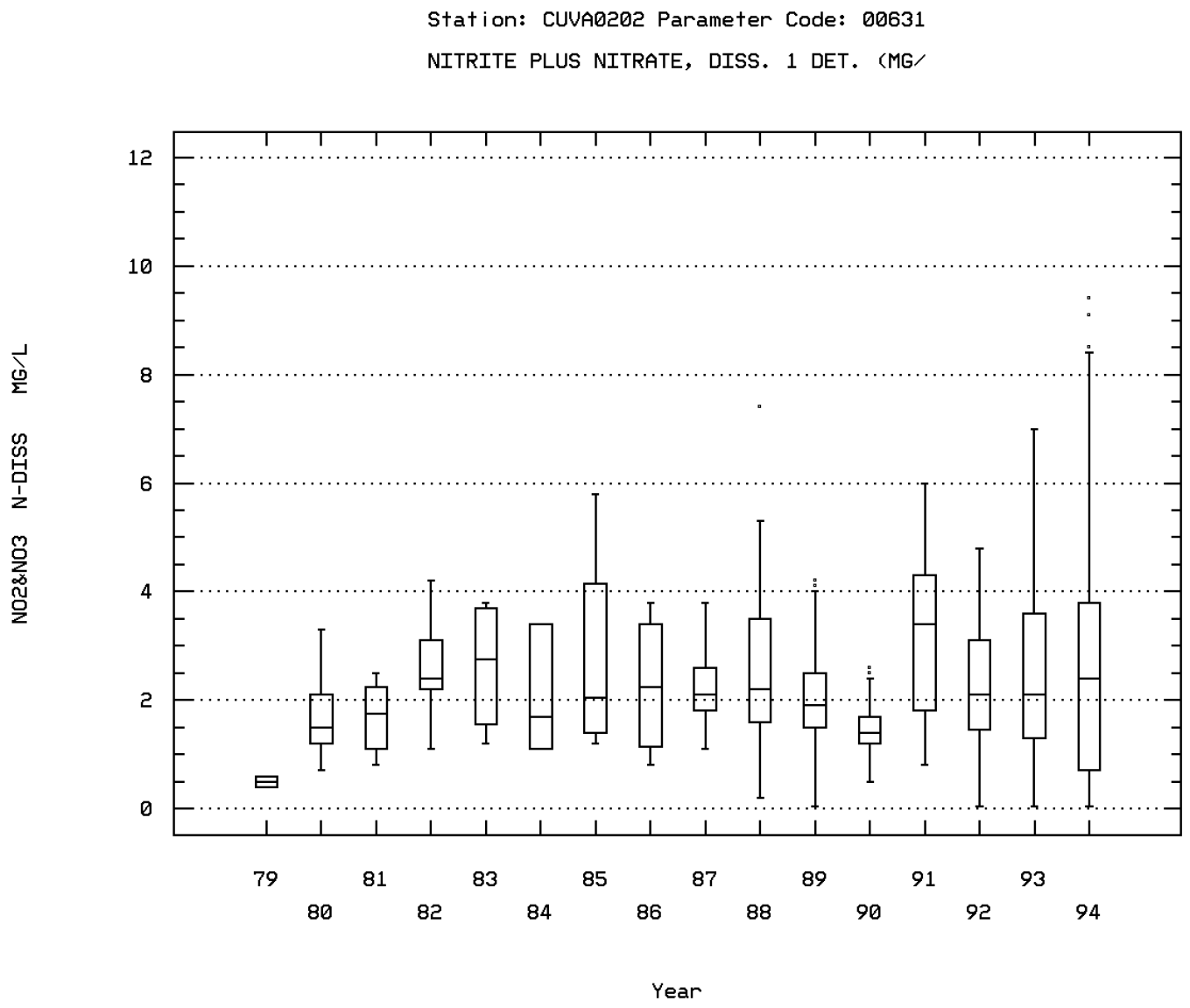
CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 00625

NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



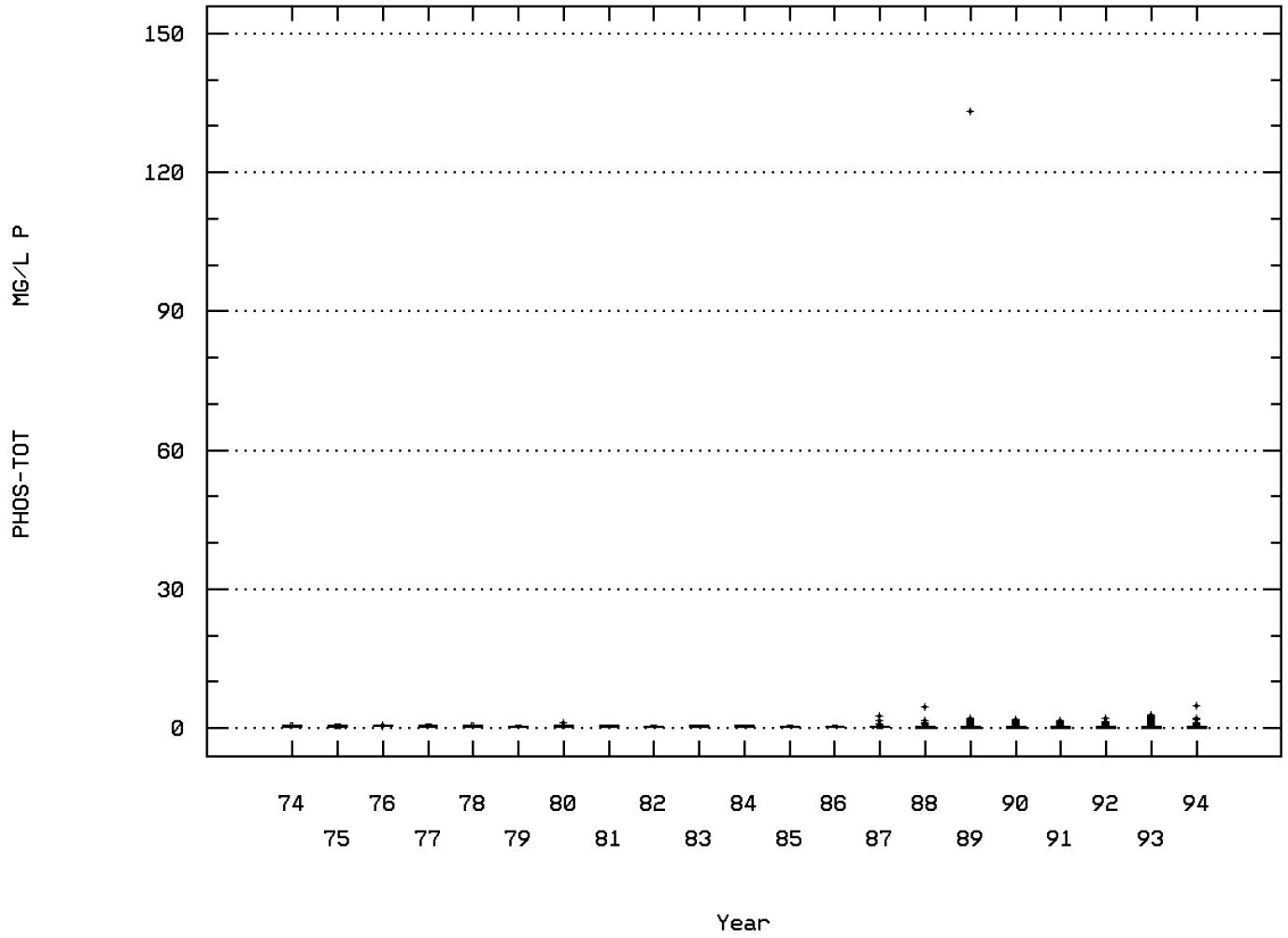
CUYAHOGA R AT INDEPENDENCE OH



CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 00665

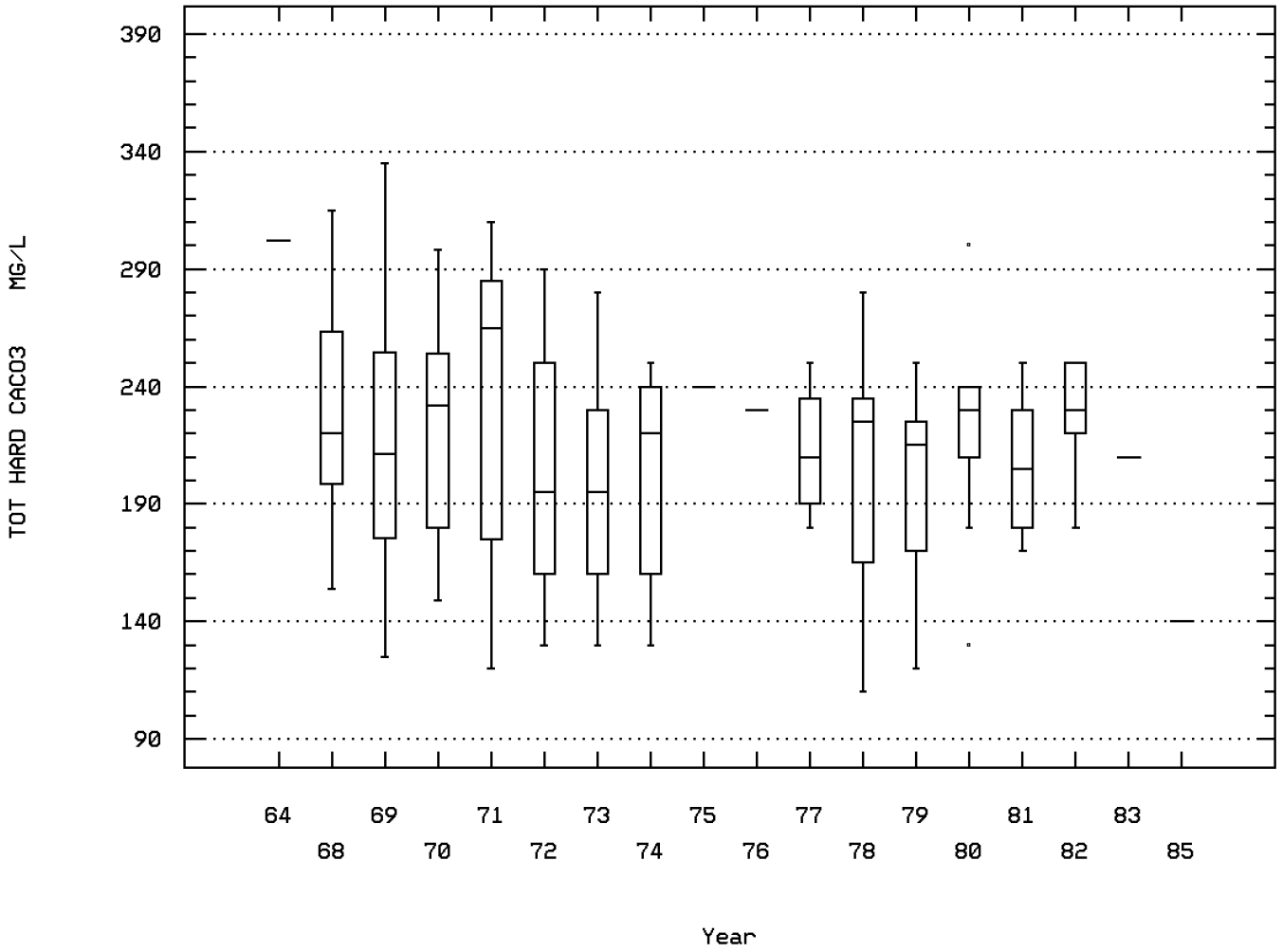
PHOSPHORUS, TOTAL (MG/L AS P)



CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 00900

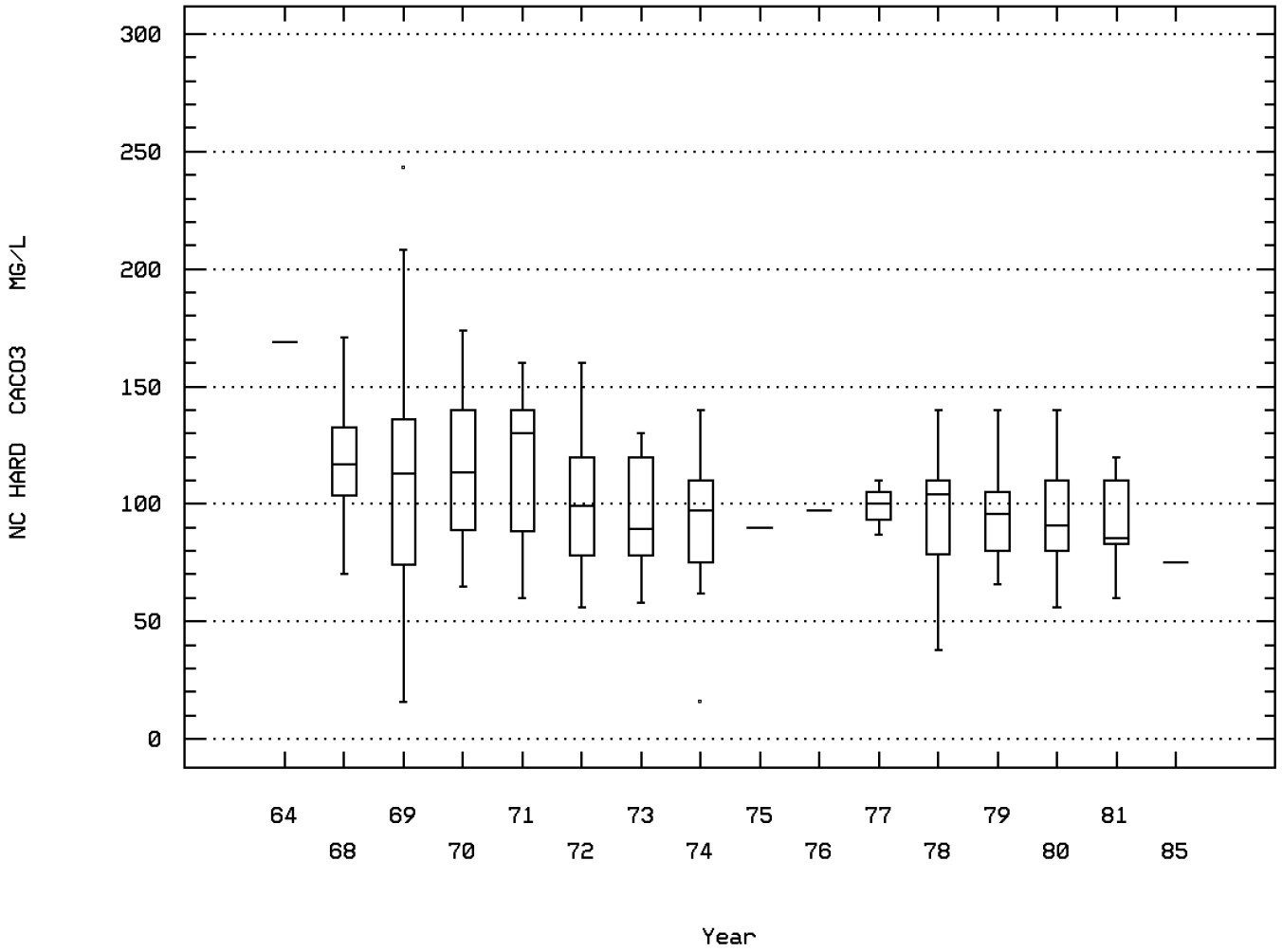
HARDNESS, TOTAL (MG/L AS CACO3)



CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 00902

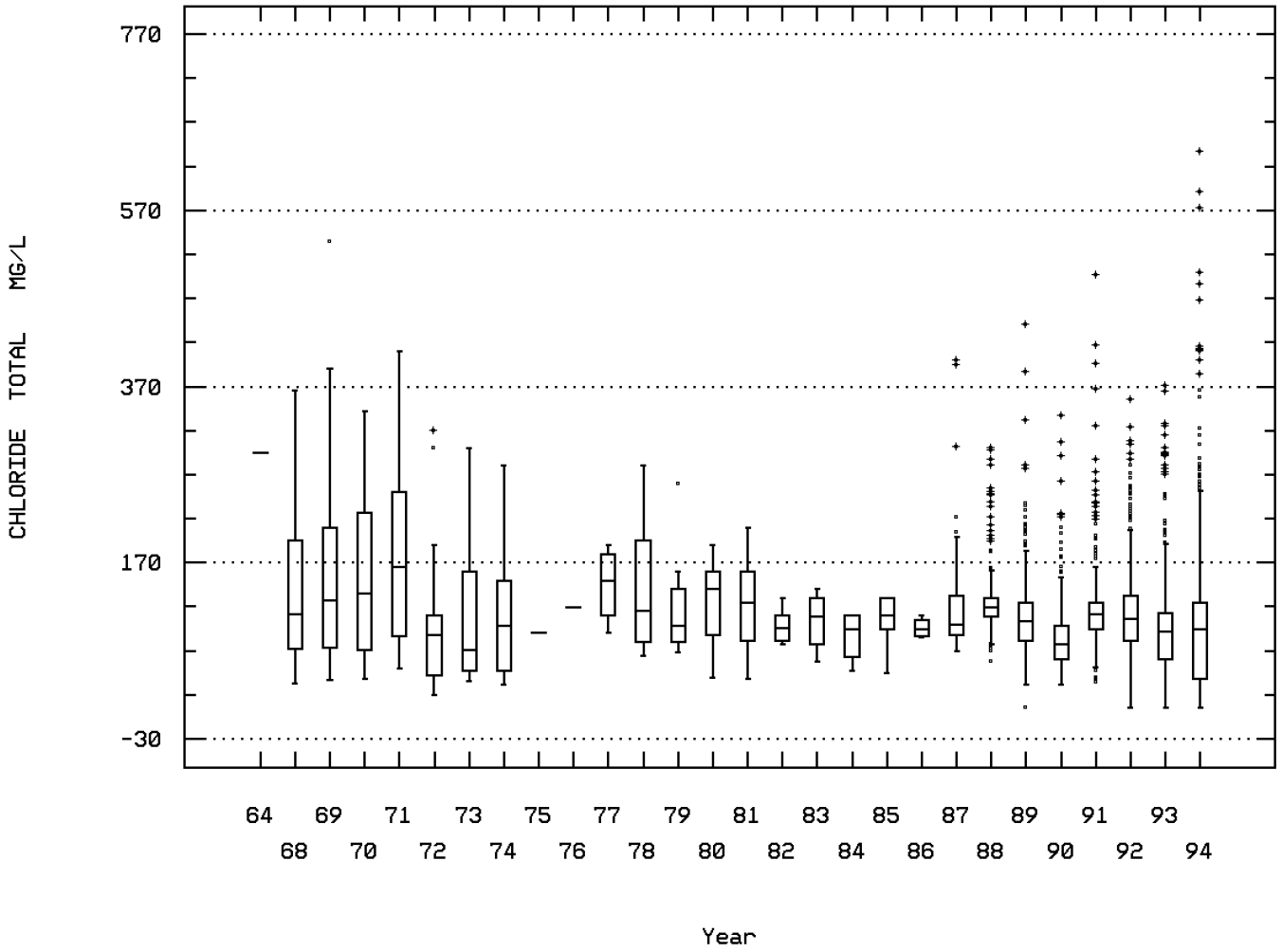
HARDNESS, NON-CARBONATE (MG/L AS CACO3)



CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 00940

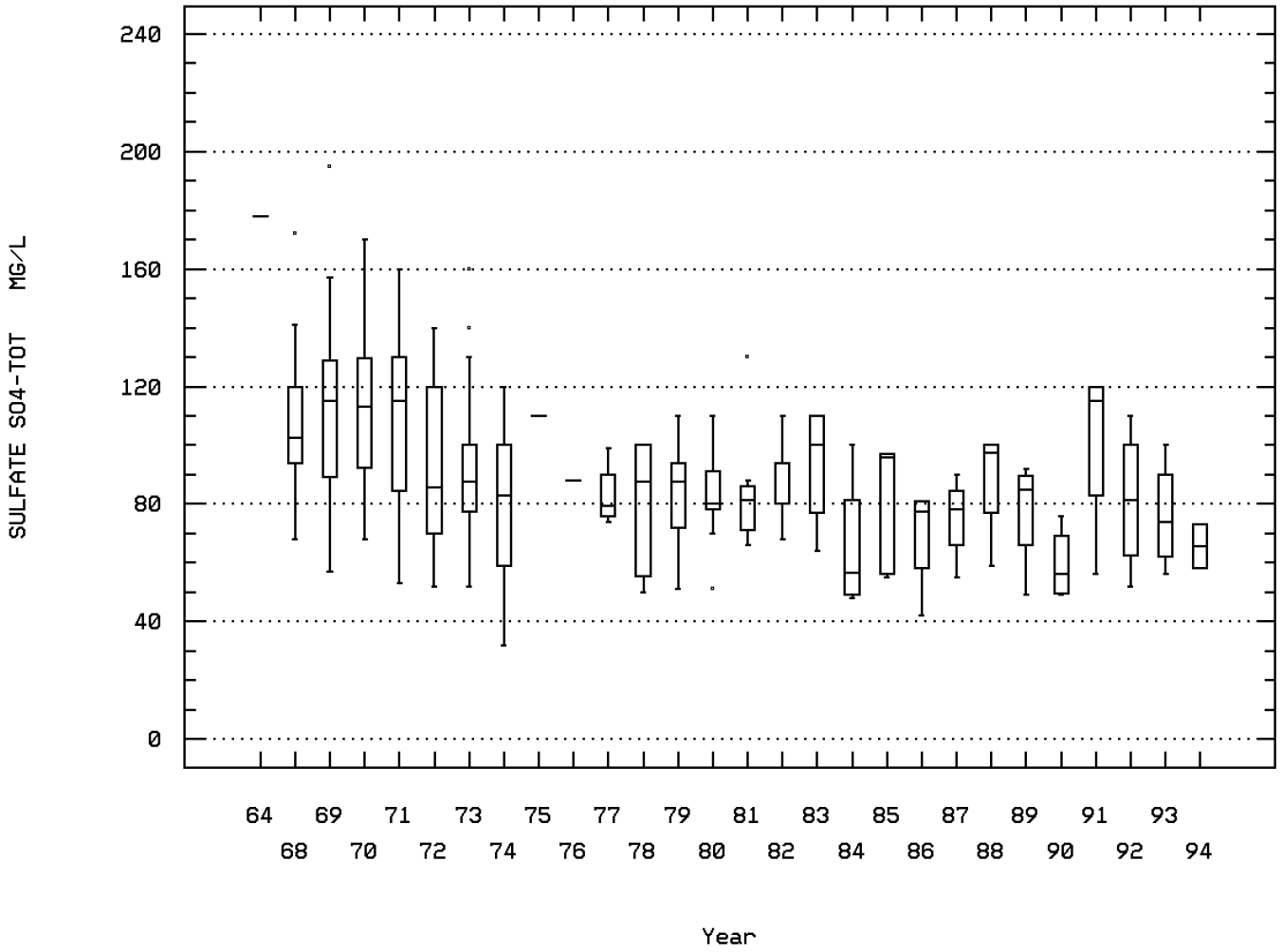
CHLORIDE,TOTAL IN WATER



CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 00945

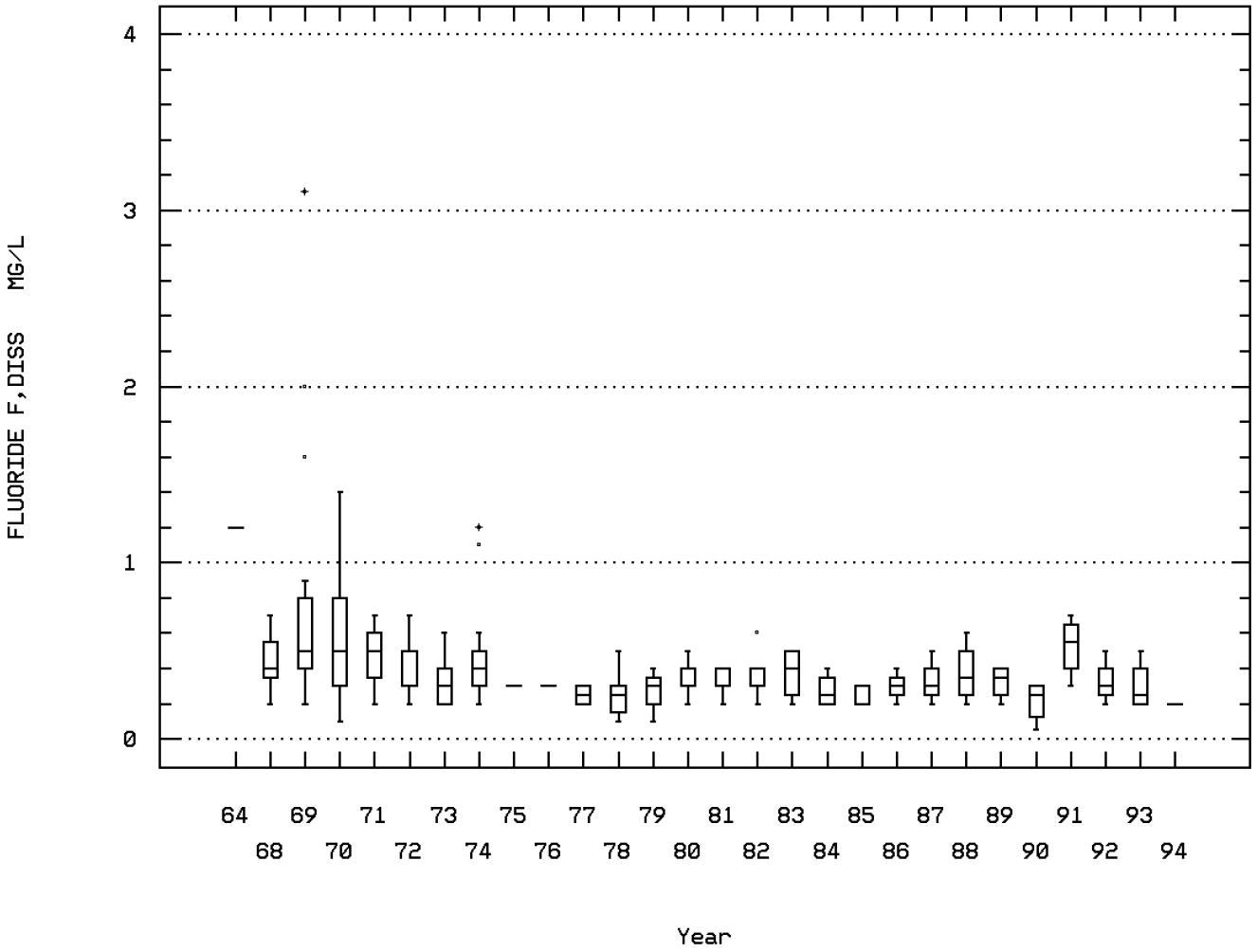
SULFATE, TOTAL (MG/L AS SO4)



CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 00950

FLUORIDE, DISSOLVED (MG/L AS F)



CUYAHOGA R AT INDEPENDENCE OH

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	176	21.	20.277	30.	8.	17.458	4.178	14.2	18.5	23.5	25.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/15/74-12/15/94	34	24.	22.965	34.	5.	36.527	6.044	13.5	20.	27.	29.25
00025	BAROMETRIC PRESSURE (MM OF HG)	11/09/82-12/15/94	12	746.	746.	758.	736.	43.455	6.592	736.6	740.5	751.75	756.8
00060p	FLOW, STREAM, MEAN DAILY CFS	12/13/59-12/30/89	41	399.	827.659	5170.	115.	1588463.73	1260.343	142.	190.	842.	2552.
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	354	405.	632.088	10400.	104.	734879.882	857.251	144.	219.75	708.75	1340.
00064	DEPTH OF STREAM, MEAN (FT)	07/02/81-09/15/92	71	4.	3.882	6.	1.	2.009	1.417	1.5	3.	5.	5.7
00065	STAGE, STREAM (FEET)	07/02/81-12/15/94	73	2.88	3.152	5.39	2.18	0.683	0.827	2.224	2.84	3.15	4.806
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/09/78-12/15/94	22	6.	10.514	65.	0.5	194.454	13.945	1.02	2.975	13.25	23.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	173	828.	857.092	2360.	392.	112561.061	335.501	476.	629.5	1023.	1166.
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	111	8.2	8.598	11.	3.8	2.353	1.534	6.44	7.9	10.	10.6
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/21/64-09/15/82	26	75.5	77.154	102.	43.	194.535	13.948	59.6	68.25	87.25	96.1
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	152	7.9	7.827	8.59	6.6	0.173	0.416	7.23	7.6	8.108	8.3
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	152	7.9	7.587	8.59	6.6	0.231	0.481	7.23	7.6	8.107	8.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	152	0.013	0.026	0.251	0.003	0.001	0.037	0.005	0.008	0.025	0.059
00403	PH, LAB, STANDARD UNITS SU	10/15/80-12/15/94	16	7.95	7.969	8.5	7.6	0.072	0.268	7.6	7.8	8.175	8.43
00403	CONVERTED PH, LAB, STANDARD UNITS	10/15/80-12/15/94	16	7.947	7.899	8.5	7.6	0.077	0.277	7.6	7.8	8.175	8.43
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/15/80-12/15/94	16	0.011	0.013	0.025	0.003	0.	0.007	0.004	0.007	0.016	0.025
00405	CARBON DIOXIDE (MG/L AS CO2)	02/08/72-04/05/78	15	6.	7.6	33.	1.2	73.323	8.563	1.2	1.4	10.	24.
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	69	133.	131.623	287.	79.	893.327	29.889	90.	116.5	145.5	155.
00440p	BICARBONATE ION (MG/L AS HCO3)	09/21/64-08/19/87	55	158.	154.273	210.	96.	762.535	27.614	108.4	135.	174.	184.
00445p	CARBONATE ION (MG/L AS CO3)	09/21/64-12/11/90	55	0.	0.455	5.	0.	1.364	1.168	0.	0.	0.	3.
00600	NITROGEN, TOTAL (MG/L AS N)	01/10/74-08/12/81	17	3.7	3.771	7.4	1.7	1.507	1.228	2.18	3.15	4.15	5.32
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/06/74-11/19/85	8	0.765	1.066	3.5	0.43	0.996	0.998	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/03/79-12/15/94	19	0.08	0.353	3.1	0.005	0.502	0.709	0.02	0.03	0.4	0.93
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/06/74-12/08/92	19	0.12	0.259	0.94	0.01	0.079	0.28	0.03	0.04	0.41	0.77
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/19/85-12/15/94	9	0.03	0.031	0.07	0.005	0.	0.019	0.005	0.02	0.04	0.07
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/73-12/08/92	12 ##	0.005	0.017	0.06	0.005	0.	0.019	0.005	0.005	0.035	0.054
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/12/71-11/19/85	12	4.	4.583	9.8	1.7	5.845	2.418	1.85	2.45	6.35	9.14
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	872	0.79	0.941	11.6	0.1	0.484	0.696	0.5	0.64	1.01	1.414
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/73-12/08/92	28	2.35	2.739	5.2	0.8	1.219	1.104	1.59	2.	3.3	4.63
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/03/79-12/15/94	851	2.9	2.872	9.4	0.05	2.25	1.5	0.8	1.8	4.	4.7
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	873	0.164	0.226	4.37	0.005	0.063	0.25	0.11	0.124	0.227	0.38
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/12/77-12/15/94	23	0.18	0.22	0.76	0.02	0.03	0.174	0.028	0.08	0.29	0.446
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/28/81-12/15/94	14	0.105	0.155	0.44	0.02	0.017	0.131	0.03	0.04	0.235	0.4
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/15/70-08/12/81	11	7.5	8.809	16.	3.	13.395	3.66	3.7	6.8	11.	15.6
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	58	241.5	242.	335.	138.	2284.07	47.792	169.	208.5	281.75	300.2
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-11/19/85	56	111.	115.536	208.	59.	967.999	31.113	72.7	90.25	140.	153.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/10/74-12/15/94	27	67.	67.444	86.	47.	70.487	8.396	52.6	64.	73.	75.8
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/10/74-12/15/94	27	16.	15.741	20.	10.	6.046	2.459	11.8	14.	17.	19.2
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/10/74-12/15/94	27	72.	73.481	170.	35.	669.644	25.877	44.6	60.	82.	98.
00931	SODIUM ADSORPTION RATIO	01/10/74-11/19/85	15	1.9	2.173	4.5	1.4	0.628	0.792	1.46	1.7	2.4	3.72
00932	SODIUM, PERCENT	01/10/74-11/19/85	15	37.	39.6	56.	32.	42.971	6.555	32.6	35.	42.	53.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/10/74-12/15/94	27	5.5	5.674	8.4	3.9	1.198	1.095	4.34	5.1	6.3	7.54
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	936	102.	99.804	535.	5.	1894.545	43.526	55.	76.25	116.	128.
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	76	102.	107.026	178.	50.	873.493	29.555	69.4	87.25	129.5	149.4
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	72	0.5	0.548	2.	0.05	0.1	0.316	0.3	0.4	0.6	0.87
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/10/74-12/15/94	27	8.6	8.115	12.	4.2	3.088	1.757	5.38	6.5	9.2	10.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/10/74-09/17/91	19	2.	2.553	5.	0.5	1.803	1.343	1.	2.	3.	5.
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/12/77-12/15/94	17	45.	46.	71.	33.	85.5	9.247	33.8	40.	50.	61.4
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	11/09/82-09/17/91	10 ##	0.25	0.55	3.	0.25	0.747	0.864	0.25	0.25	0.313	2.75
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/10/74-09/17/91	19 ##	0.5	1.053	9.	0.	3.803	1.95	0.	0.5	1.	1.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/10/74-09/17/91	19 ##	0.5	3.368	30.	0.	51.023	7.143	0.	0.5	2.	10.
01035	COBALT, DISSOLVED (UG/L AS CO)	01/10/74-12/15/94	21 ##	1.5	1.095	2.	0.	0.44	0.664	0.	0.5	1.5	1.5
01040	COPPER, DISSOLVED (UG/L AS CU)	01/10/74-09/17/91	19	7.	8.263	23.	3.	26.094	5.108	3.	4.	10.	17.
01046	IRON, DISSOLVED (UG/L AS FE)	01/10/74-12/15/94	21	20.	44.952	280.	10.	3723.148	61.018	10.	15.	47.	106.
01049	LEAD, DISSOLVED (UG/L AS PB)	01/10/74-09/17/91	19	3.	5.053	31.	0.	49.636	7.045	0.5	1.	6.	13.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/10/74-12/15/94	21	47.	60.476	180.	9.	2136.862	46.226	15.2	21.5	90.	134.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/09/82-12/15/94	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/09/80-12/15/94	14	3.	4.214	20.	1.	21.874	4.677	1.	2.75	4.	12.5

** - 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 #1: 7/01 to 10/31 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01075	SILVER, DISSOLVED (UG/L AS AG)	10/12/77-12/15/94	17 ##	0.5	0.382	0.5	0.	0.048	0.219	0.	0.25	0.5	0.5
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/09/82-12/15/94	12	210.	198.333	230.	130.	869.697	29.491	136.	192.5	217.5	227.
01085	VANADIUM, DISSOLVED (UG/L AS V)	11/09/82-12/15/94	12 ##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/10/74-09/17/91	19	12.	14.842	30.	7.	44.585	6.677	7.	10.	20.	27.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/09/82-12/15/94	12	20.	30.833	110.	10.	717.424	26.785	10.	20.	37.5	89.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	11/09/82-12/15/94	12	11.5	13.417	22.	5.	22.811	4.776	6.2	11.	17.75	20.8
01145	SELENIUM, DISSOLVED (UG/L AS SE)	01/10/74-12/15/94	21 ##	0.5	0.714	4.	0.	0.714	0.845	0.1	0.5	0.5	1.8
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/10/74-09/03/93	25	32000.	96944.	530000.	2000.	17705127566.667	133060.616	3540.	9050.	135000.	320000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/10/74-09/03/93	25	4.505	4.541	5.724	3.301	0.492	0.702	3.545	3.955	5.128	5.505
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			34773.061								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/03/76-12/15/94	29	1300.	8306.069	78000.	0.	306097377.495	17495.639	0.	245.	5400.	40000.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	11/03/76-12/15/94	29	3.114	2.873	4.892	0.	1.906	1.38	0.	2.388	3.728	4.602
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			745.979								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/03/76-12/15/94	25	200.	857.24	6700.	50.	1926688.773	1388.052	76.	125.	1100.	2200.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/03/76-12/15/94	25	2.301	2.555	3.826	1.699	0.336	0.579	1.88	2.097	3.04	3.342
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			358.76								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/10/74-09/14/82	9	850.	1944.444	7700.	160.	7070202.778	2658.985	160.	370.	3350.	7700.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/10/74-09/14/82	9	2.929	2.963	3.886	2.204	0.304	0.552	2.204	2.568	3.446	3.886
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			918.796								
60050	ALGAE, TOTAL (CELLS/ML)	04/03/74-08/12/81	14	4000.	7571.429	41000.	1600.	106054505.495	10298.277	1600.	2200.	9075.	27000.
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	70	528.5	580.629	1350.	258.	52207.889	228.49	322.5	438.5	669.5	958.6
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/10/74-11/19/85	15	459.	465.533	704.	329.	8655.41	93.034	355.4	391.	498.	633.2
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/03/68-08/17/82	57	514.	634.754	3650.	195.	259174.653	509.092	291.8	379.5	699.	1036.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/03/68-02/15/83	57	0.73	0.809	1.84	0.35	0.107	0.327	0.436	0.575	0.975	1.336
70331p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/22/57-09/03/86	14	96.	88.786	100.	2.	640.181	25.302	43.	93.25	98.25	99.5
70332p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	01/22/57-07/02/83	12	98.	97.167	100.	90.	7.606	2.758	91.2	96.25	99.	99.7
70333p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	01/22/57-07/02/83	11	100.	98.636	100.	93.	4.655	2.157	93.8	98.	100.	100.
70334p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	01/22/57-03/28/83	5	99.	99.	100.	98.	0.5	0.707	**	**	**	**
70337p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	01/22/57-07/02/83	14	40.	41.571	66.	28.	146.11	12.088	28.5	31.5	48.25	62.5
70338p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	01/22/57-07/02/83	14	51.	53.643	82.	37.	167.016	12.923	39.5	44.	63.	76.
70339p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	01/22/57-07/02/83	14	65.	67.	92.	50.	134.	11.576	53.5	57.75	77.	86.5
70340p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	01/22/57-07/02/83	14	82.5	76.643	98.	0.	552.709	23.51	35.	74.	90.25	95.
70341p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	01/22/57-07/02/83	14	91.5	90.857	99.	81.	31.363	5.6	81.5	86.75	95.	99.
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/03/79-11/19/85	7	0.52	1.001	4.	0.1	1.88	1.371	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/21/64-07/28/73	43	18.	18.837	44.	3.3	95.056	9.75	6.82	11.	24.	32.4
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	09/03/70-11/19/85	11	1.3	1.756	7.2	0.67	3.327	1.824	0.726	1.1	1.4	6.1
71887	NITROGEN, TOTAL, AS NO3 - MG/L	01/10/74-08/12/81	17	16.	16.688	33.	7.7	29.802	5.459	9.54	14.	18.5	23.4
71890	MERCURY, DISSOLVED (UG/L AS HG)	01/10/74-09/17/91	19 ##	0.2	0.242	0.7	0.05	0.04	0.2	0.05	0.05	0.25	0.6
71900	MERCURY, TOTAL (UG/L AS HG)	10/15/70-06/15/82	13 ##	0.25	0.373	0.9	0.	0.1	0.316	0.02	0.175	0.7	0.9
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	44	51.	556.682	3280.	4.	870128.175	932.807	10.	18.	813.	2325.
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	31	163.	3747.697	41200.	5.5	69968992.74	8364.747	10.2	19.	3090.	14654.

** - Less than 9 observations ## - Computed 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: 11/01 to 3/14 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	119	4.5	5.145	12.5	0.4	9.931	3.151	1.	2.4	8.	9.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/15/74-12/15/94	43	5.	2.784	28.7	-15.	47.644	6.902	1.58	2.	-4.	11.42
00025	BAROMETRIC PRESSURE (MM OF HG)	11/09/82-12/15/94	19	748.	746.526	760.	735.	59.93	7.741	735.	740.	752.	757.
00060p	FLOW, STREAM, MEAN DAILY CFS	12/13/59-12/30/89	66	640.	1731.667	12200.	190.	6918867.795	2630.374	210.	346.	1772.5	6333.
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	428	924.	1323.519	9290.	169.	1856049.838	1362.369	365.4	554.25	1420.	2687.
00065	STAGE, STREAM (FEET)	07/02/81-12/15/94	22	5.045	4.911	11.52	2.66	3.92	1.98	2.77	3.4	5.84	6.232
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/09/78-12/15/94	33	6.9	32.83	450.	0.3	6703.878	81.877	0.94	3.8	22.	74.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	115	745.	818.417	1680.	351.	91013.438	301.684	498.2	590.	1010.	1312.
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	60	11.5	11.17	14.	7.4	1.616	1.271	9.43	10.4	11.875	12.7
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/21/64-09/15/82	29	85.	84.586	100.	74.	40.68	6.378	75.	80.	89.	92.

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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	114	7.7	7.611	8.5	6.3	0.183	0.427	6.9	7.475	7.9	8.1
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	114	7.7	7.36	8.5	6.3	0.246	0.496	6.9	7.475	7.9	8.1
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	114	0.02	0.044	0.501	0.003	0.004	0.066	0.008	0.013	0.034	0.126
00403	PH, LAB, STANDARD UNITS SU	10/15/80-12/15/94	25	7.7	7.724	7.9	7.5	0.016	0.127	7.56	7.6	7.8	7.9
00403	CONVERTED PH, LAB, STANDARD UNITS	10/15/80-12/15/94	25	7.7	7.706	7.9	7.5	0.016	0.128	7.56	7.6	7.8	7.9
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/15/80-12/15/94	25	0.02	0.02	0.032	0.013	0.	0.006	0.013	0.016	0.025	0.028
00405	CARBON DIOXIDE (MG/L AS CO2)	02/08/72-04/05/78	27	3.5	9.241	114.	0.8	457.846	21.397	1.38	2.2	9.	14.
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	85	107.	103.553	233.	52.	795.131	28.198	68.4	82.5	120.	136.4
00440p	BICARBONATE ION (MG/L AS HCO3)	09/21/64-08/19/87	62	121.5	123.677	284.	64.	1253.304	35.402	80.1	98.25	139.25	166.7
00445p	CARBONATE ION (MG/L AS CO3)	09/21/64-12/11/90	66	0.	0.152	4.	0.	0.438	0.662	0.	0.	0.	0.
00600	NITROGEN, TOTAL (MG/L AS N)	01/10/74-08/12/81	23	4.	4.187	7.5	1.9	2.173	1.474	2.14	3.	5.2	6.22
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/06/74-11/19/85	15	0.91	0.844	1.5	0.	0.247	0.497	0.	0.48	1.3	1.44
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/03/79-12/15/94	29	0.38	0.883	3.3	0.06	0.935	0.967	0.1	0.18	1.55	2.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/06/74-12/08/92	27	0.34	1.163	4.	0.005	1.617	1.271	0.102	0.18	2.3	3.58
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/19/85-12/15/94	13	0.03	0.036	0.07	0.01	0.	0.021	0.014	0.02	0.06	0.066
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/73-12/08/92	18 ##	0.005	0.017	0.07	0.005	0.	0.021	0.005	0.005	0.018	0.052
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/12/71-11/19/85	19	2.7	2.811	5.	1.2	1.097	1.047	1.6	2.	3.4	4.8
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	1056	0.835	1.047	39.1	0.1	1.768	1.33	0.52	0.65	1.118	1.7
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/73-12/08/92	40	1.95	2.092	5.	0.37	1.147	1.071	1.01	1.325	2.475	4.08
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/03/79-12/15/94	1039	1.8	2.193	8.5	0.05	1.58	1.257	1.	1.4	2.7	4.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	1060	0.136	0.354	133.	0.012	16.719	4.089	0.079	0.1	0.25	0.44
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/12/77-12/15/94	36	0.115	0.126	0.33	0.01	0.008	0.087	0.027	0.05	0.188	0.262
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/28/81-12/15/94	21	0.04	0.079	0.3	0.01	0.006	0.074	0.02	0.03	0.095	0.198
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/15/70-08/12/81	14	8.45	8.964	16.	6.	7.112	2.667	6.15	7.125	10.25	14.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	75	214.	210.08	300.	120.	2086.615	45.679	149.6	170.	250.	267.6
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-11/19/85	71	110.	107.183	243.	16.	1045.466	32.334	72.2	86.	124.	143.4
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/10/74-12/15/94	45	61.	59.311	86.	35.	130.856	11.439	41.	52.	67.	72.4
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/10/74-12/15/94	45	14.	14.113	24.	7.4	11.743	3.427	9.2	11.5	16.5	18.
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/10/74-12/15/94	39	72.	80.103	190.	28.	1311.831	36.219	44.	55.	98.	140.
00931	SODIUM ADSORPTION RATIO	01/10/74-11/19/85	23	2.4	2.448	4.6	1.1	0.767	0.876	1.4	1.8	2.8	4.04
00932	SODIUM, PERCENT	01/10/74-11/19/85	23	45.	43.826	59.	29.	56.059	7.487	32.4	39.	48.	55.6
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/10/74-12/15/94	39	4.4	4.467	7.2	2.6	1.008	1.004	3.	3.9	5.	5.5
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	1107	110.	127.102	591.	5.	6311.032	79.442	44.	71.	159.	230.
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	95	88.	90.968	195.	32.	752.584	27.433	56.	74.	110.	127.2
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	93	0.3	0.361	3.1	0.1	0.104	0.322	0.2	0.2	0.4	0.6
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/10/74-12/15/94	39	7.6	7.715	15.	5.1	3.203	1.79	5.5	6.6	8.6	9.2
01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/10/74-09/17/91	20	1.	1.175	4.	0.	0.691	0.832	0.5	1.	1.	2.
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/12/77-12/15/94	23	41.	41.609	60.	29.	66.794	8.173	31.	36.	50.	53.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	11/09/82-09/17/91	13 ##	0.25	0.315	0.6	0.25	0.016	0.126	0.25	0.25	0.375	0.56
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/10/74-09/17/91	20 ##	0.5	1.025	9.	0.	3.723	1.93	0.	0.5	1.	1.9
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/10/74-09/17/91	20 ##	1.	2.95	20.	0.5	21.839	4.673	0.5	0.5	3.75	9.5
01035	COBALT, DISSOLVED (UG/L AS CO)	01/10/74-12/15/94	25 ##	1.5	1.1	1.5	0.	0.438	0.661	0.	0.25	1.5	1.5
01040	COPPER, DISSOLVED (UG/L AS CU)	01/10/74-09/17/91	20	7.	8.5	30.	2.	42.053	6.485	4.	5.	9.	20.8
01046	IRON, DISSOLVED (UG/L AS FE)	01/10/74-12/15/94	25	44.	62.68	230.	10.	3026.477	55.013	16.8	24.5	80.	152.
01049	LEAD, DISSOLVED (UG/L AS PB)	01/10/74-09/17/91	20	2.5	2.4	5.	0.	2.384	1.544	0.05	1.	3.	5.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/10/74-12/15/94	25	79.	96.44	200.	40.	2400.007	48.99	48.2	59.	135.	184.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/09/82-12/15/94	18 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/09/80-12/15/94	21	3.	3.548	9.	0.5	5.198	2.28	1.	2.	5.	7.6
01075	SILVER, DISSOLVED (UG/L AS AG)	10/12/77-12/15/94	23 ##	0.5	0.478	2.	0.	0.147	0.384	0.	0.5	0.5	0.5
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/09/82-12/15/94	18	170.	175.	250.	130.	1202.941	34.683	130.	147.5	200.	241.
01085	VANADIUM, DISSOLVED (UG/L AS V)	11/09/82-12/15/94	18 ##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/10/74-09/17/91	20	20.	25.9	90.	9.	422.305	20.55	10.	12.75	29.75	67.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/09/82-12/15/94	18	20.	24.722	120.	5.	854.33	29.229	5.	5.	22.5	75.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	11/09/82-12/15/94	18	7.5	8.222	15.	2.	11.712	3.422	3.8	5.75	11.	12.3
01145	SELENIUM, DISSOLVED (UG/L AS SE)	01/10/74-12/15/94	25 ##	0.5	0.68	6.	0.	1.248	1.117	0.3	0.5	0.5	0.5
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/10/74-09/03/93	7	7000.	7400.	16000.	1200.	32310000.	5684.189	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/10/74-09/03/93	7	3.845	3.727	4.204	3.079	0.171	0.414	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5330.801								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/03/76-12/15/94	38	10000.	17681.737	200000.	240.	1105026127.605	33241.933	1315.	3875.	17000.	40500.

** - Less than 9 observations ## - Computed 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: 11/01 to 3/14 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	11/03/76-12/15/94	38	4.	3.911	5.301	2.38	0.317	0.563	3.117	3.588	4.23	4.607
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			8152.696								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/03/76-12/15/94	38	3150.	5543.368	32000.	65.	54069585.266	7353.202	339.4	1087.5	7225.	12450.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/03/76-12/15/94	38	3.497	3.398	4.505	1.813	0.402	0.634	2.528	3.028	3.859	4.093
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			2499.359								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/10/74-09/14/82	7	1300.	2172.857	4800.	800.	3264823.81	1806.882	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/10/74-09/14/82	7	3.114	3.223	3.681	2.903	0.105	0.324	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1672.667								
60050	ALGAE, TOTAL (CELLS/ML)	04/03/74-08/12/81	9	2500.	2985.556	8700.	650.	6319627.778	2513.887	650.	960.	3950.	8700.
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	84	451.	496.476	994.	230.	32856.06	181.262	287.5	344.	600.	766.5
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/10/74-11/19/85	23	436.	467.174	698.	243.	14124.787	118.848	288.6	406.	545.	659.8
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/03/68-08/17/82	66	1095.	1458.819	14700.	324.	3274462.78	1809.548	532.3	712.	1587.508	2141.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/03/68-02/15/83	68	0.645	0.696	1.35	0.31	0.064	0.253	0.39	0.485	0.865	1.058
70331p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/22/57-09/03/86	26	90.	82.423	100.	0.	588.254	24.254	53.3	82.75	93.	96.3
70332p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	01/22/57-07/02/83	23	94.	92.652	99.	76.	34.51	5.875	82.8	89.	97.	99.
70333p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	01/22/57-07/02/83	23	98.	96.783	100.	84.	17.814	4.221	89.6	96.	100.	100.
70334p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	01/22/57-03/28/83	16	100.	98.688	100.	94.	3.963	1.991	94.7	98.	100.	100.
70337p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	01/22/57-07/02/83	25	33.	34.76	78.	22.	139.857	11.826	23.	26.5	40.	47.
70338p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	01/22/57-07/02/83	25	42.	43.16	62.	29.	67.223	8.199	33.8	36.	50.5	55.2
70339p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	01/22/57-07/02/83	25	54.	57.28	99.	37.	160.043	12.651	44.2	49.	64.	73.4
70340p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	01/22/57-07/02/83	25	67.	68.88	93.	48.	95.11	9.752	58.2	63.5	73.	83.8
70341p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	01/22/57-07/02/83	24	82.	82.083	99.	63.	73.21	8.556	70.	77.	88.5	94.5
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/03/79-11/19/85	13	1.9	2.006	4.3	0.15	1.849	1.36	0.238	0.78	3.1	4.22
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/21/64-07/28/73	46	13.	13.991	31.	4.4	36.613	6.051	7.04	9.425	17.	22.9
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	09/03/70-11/19/85	15	1.4	1.455	3.1	0.21	0.651	0.807	0.486	0.86	1.9	2.92
71887	NITROGEN, TOTAL, AS NO3 - MG/L	01/10/74-08/12/81	23	18.	18.496	33.	8.4	43.413	6.589	9.46	13.	23.	27.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	01/10/74-09/17/91	20	0.2	0.245	1.	0.05	0.048	0.219	0.05	0.1	0.288	0.57
71900	MERCURY, TOTAL (UG/L AS HG)	10/15/70-06/15/82	7 ##	0.25	0.229	0.3	0.1	0.004	0.064	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	67	95.	459.761	2380.	8.	391244.942	625.496	12.6	25.	764.	1488.
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	47	477.	7945.685	78400.	5.6	251498240.313	15858.696	19.6	58.	8500.	31480.

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/68-12/15/94	95	16.	15.965	26.	1.5	38.68	6.219	6.8	11.	21.	24.2
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/15/74-12/15/94	32	19.	17.266	31.8	-4.	98.896	9.945	6.25	10.125	25.	29.65
00025	BAROMETRIC PRESSURE (MM OF HG)	11/09/82-12/15/94	17	746.	743.529	755.	728.	75.89	8.711	728.8	737.5	750.5	754.2
00060p	FLOW, STREAM, MEAN DAILY CFS	12/13/59-12/30/89	63	1100.	1859.079	10000.	212.	3817305.655	1953.793	360.4	780.	2200.	4484.
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/22/57-12/15/94	342	888.5	1734.766	14000.	151.	3865814.532	1966.167	312.7	508.	2062.5	4915.
00064	DEPTH OF STREAM, MEAN (FT)	07/02/81-09/15/92	5	1.5	2.06	4.	1.3	1.243	1.115	**	**	**	**
00065	STAGE, STREAM (FEET)	07/02/81-12/15/94	16	2.945	3.798	9.49	2.51	3.549	1.884	2.552	2.57	4.51	7.04
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/09/78-12/15/94	26	7.65	14.331	80.	1.	351.109	18.738	2.17	3.9	18.5	38.4
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/21/64-12/15/94	85	714.	753.118	1450.	297.	75733.51	275.197	396.6	509.	952.	1160.
00300p	OXYGEN, DISSOLVED MG/L	09/21/64-12/15/94	41	8.5	9.02	14.	5.9	3.293	1.815	7.16	7.9	10.	11.52
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/21/64-09/15/82	20	87.5	85.9	100.	65.	129.253	11.369	67.3	77.25	98.	100.
00400p	PH (STANDARD UNITS)	09/21/64-12/15/94	78	7.7	7.636	8.6	6.7	0.208	0.456	7.	7.275	8.	8.2
00400p	CONVERTED PH (STANDARD UNITS)	09/21/64-12/15/94	78	7.7	7.4	8.6	6.7	0.264	0.514	7.	7.275	8.	8.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/21/64-12/15/94	78	0.02	0.04	0.2	0.003	0.002	0.045	0.006	0.01	0.053	0.1
00403	PH, LAB, STANDARD UNITS SU	10/15/80-12/15/94	21	7.8	7.8	8.4	7.3	0.074	0.272	7.42	7.6	8.	8.18
00403	CONVERTED PH, LAB, STANDARD UNITS	10/15/80-12/15/94	21	7.8	7.722	8.4	7.3	0.08	0.283	7.42	7.6	8.	8.18
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/15/80-12/15/94	21	0.016	0.019	0.05	0.004	0.	0.012	0.007	0.01	0.026	0.038
00405	CARBON DIOXIDE (MG/L AS CO2)	02/08/72-04/05/78	17	6.6	9.147	21.	1.6	46.891	6.848	1.68	2.65	15.5	18.6
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/68-12/15/94	68	107.	107.147	173.	64.	777.112	27.877	69.	85.5	126.5	140.4
00440p	BICARBONATE ION (MG/L AS HCO3)	09/21/64-08/19/87	48	124.	122.292	187.	78.	827.488	28.766	83.9	98.	142.	163.3
00445p	CARBONATE ION (MG/L AS CO3)	09/21/64-12/11/90	49	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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0202

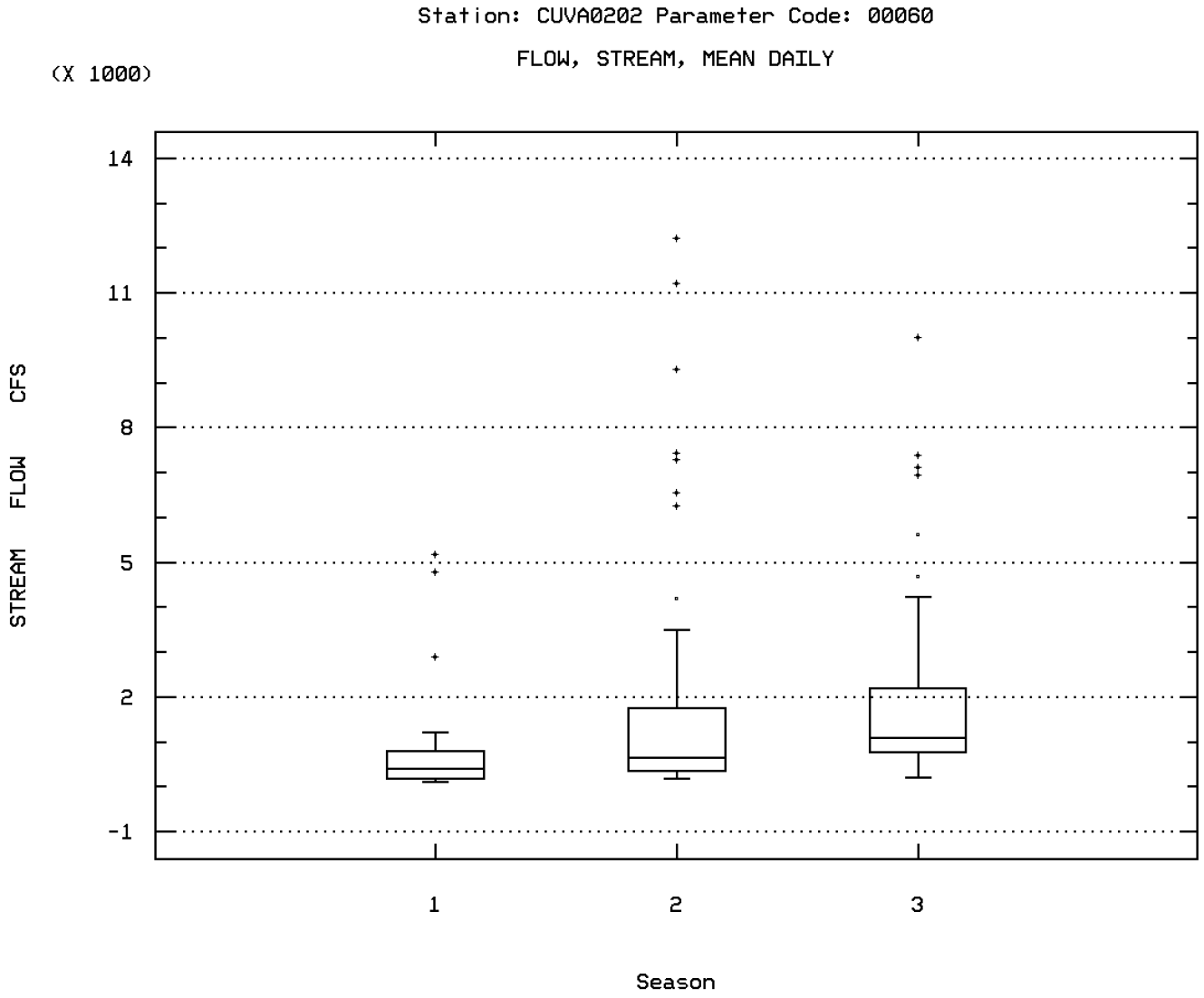
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00600	NITROGEN, TOTAL (MG/L AS N)	01/10/74-08/12/81	17	3.1	3.1	4.5	1.7	0.792	0.89	1.86	2.1	3.85	4.18
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/06/74-11/19/85	9	0.95	0.932	1.4	0.	0.182	0.427	0.	0.72	1.25	1.4
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/03/79-12/15/94	22	0.145	0.291	1.7	0.01	0.174	0.417	0.036	0.068	0.265	1.09
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/06/74-12/08/92	19	0.19	0.419	1.7	0.03	0.236	0.486	0.05	0.12	0.45	1.3
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/19/85-12/15/94	13	0.05	0.059	0.14	0.03	0.001	0.034	0.03	0.035	0.08	0.128
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/15/73-12/08/92	12	0.01	0.016	0.05	0.005	0.	0.017	0.005	0.005	0.033	0.047
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/12/71-11/19/85	14	2.	2.279	4.2	1.	0.81	0.9	1.25	1.6	3.	3.85
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/74-12/15/94	895	0.87	1.065	7.42	0.1	0.564	0.751	0.59	0.7	1.14	1.662
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/15/73-12/08/92	26	1.8	1.991	4.7	0.26	1.173	1.083	0.754	1.1	2.7	3.67
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/03/79-12/15/94	890	1.7	2.099	8.4	0.05	2.205	1.485	0.8	1.1	2.725	3.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/74-12/15/94	897	0.15	0.225	2.095	0.039	0.056	0.237	0.073	0.1	0.255	0.416
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/12/77-12/15/94	27	0.07	0.115	0.26	0.02	0.007	0.081	0.038	0.04	0.2	0.242
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/28/81-12/15/94	18	0.05	0.076	0.2	0.005	0.004	0.063	0.005	0.028	0.138	0.173
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/15/70-08/12/81	11	9.2	16.527	79.	2.	465.336	21.572	2.96	7.5	14.	68.4
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/21/64-11/19/85	57	202.	196.579	290.	110.	2156.891	46.442	130.	154.	230.	259.6
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/21/64-11/19/85	55	92.	93.709	161.	16.	857.395	29.281	59.8	74.	117.	137.6
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/10/74-12/15/94	36	61.5	57.861	84.	28.	202.923	14.245	38.4	48.5	67.	77.3
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/10/74-12/15/94	36	13.5	13.267	19.	8.4	10.466	3.235	8.77	10.25	15.	18.
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/10/74-12/15/94	30	62.5	66.367	180.	25.	966.102	31.082	29.4	40.	82.5	97.5
00931	SODIUM ADSORPTION RATIO	01/10/74-11/19/85	13	1.8	1.815	2.6	0.9	0.283	0.532	0.94	1.45	2.3	2.52
00932	SODIUM, PERCENT	01/10/74-11/19/85	13	40.	39.	46.	28.	31.	5.568	28.4	36.5	42.5	46.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/10/74-12/15/94	30	3.9	4.047	6.5	2.5	1.131	1.063	2.64	3.075	4.825	5.73
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/21/64-12/15/94	946	100.	97.688	636.	5.	2280.321	47.753	41.	69.	117.	142.3
00945p	SULFATE, TOTAL (MG/L AS SO4)	09/21/64-12/15/94	74	82.	84.878	145.	49.	621.04	24.921	52.5	62.75	100.	119.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	09/21/64-12/15/94	74	0.3	0.391	1.2	0.1	0.04	0.2	0.2	0.3	0.5	0.6
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/10/74-12/15/94	30	5.5	5.51	8.3	3.	2.141	1.463	3.62	4.275	6.525	7.58
01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/10/74-09/17/91	20	1.	1.35	3.	0.	0.529	0.727	0.5	1.	2.	2.
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/12/77-12/15/94	22	45.	44.182	59.	30.	70.442	8.393	33.	36.5	50.5	56.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	11/09/82-09/17/91	13 ##	0.25	0.288	0.5	0.25	0.009	0.094	0.25	0.25	0.25	0.5
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/10/74-09/17/91	20 ##	0.5	0.575	2.	0.	0.191	0.438	0.	0.5	0.5	1.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/10/74-09/17/91	20 ##	1.25	4.4	20.	0.	38.332	6.191	0.5	0.5	6.5	19.
01035	COBALT, DISSOLVED (UG/L AS CO)	01/10/74-12/15/94	24 ##	1.5	1.208	3.	0.	0.542	0.736	0.	0.75	1.5	1.5
01040	COPPER, DISSOLVED (UG/L AS CU)	01/10/74-09/17/91	20	5.5	7.35	26.	1.	28.766	5.363	3.1	4.	9.	13.7
01046	IRON, DISSOLVED (UG/L AS FE)	01/10/74-12/15/94	24	63.5	73.5	220.	5.	3572.783	59.773	8.5	27.25	110.	175.
01049	LEAD, DISSOLVED (UG/L AS PB)	01/10/74-09/17/91	20	2.5	3.65	10.	0.	12.371	3.517	0.05	0.625	5.75	10.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/10/74-12/15/94	24	57.5	67.5	120.	13.	1125.739	33.552	25.	44.	104.75	120.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/09/82-12/15/94	17 ##	5.	5.294	10.	5.	1.471	1.213	5.	5.	5.	6.
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/09/80-12/15/94	21	3.	3.048	10.	0.5	4.923	2.219	0.6	1.	4.5	5.
01075	SILVER, DISSOLVED (UG/L AS AG)	10/12/77-12/15/94	22 ##	0.5	0.591	2.	0.	0.253	0.503	0.	0.5	0.5	1.7
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/09/82-12/15/94	17	180.	182.353	240.	120.	1419.118	37.671	128.	155.	225.	232.
01085	VANADIUM, DISSOLVED (UG/L AS V)	11/09/82-12/15/94	17 ##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/10/74-09/17/91	20	14.	18.05	57.	4.	225.839	15.028	4.3	9.	23.	54.1
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/09/82-12/15/94	17	30.	28.529	60.	5.	246.14	15.689	5.	20.	35.	52.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	11/09/82-12/15/94	17	11.	11.118	23.	2.	23.735	4.872	5.2	7.	14.	17.4
01145	SELENIUM, DISSOLVED (UG/L AS SE)	01/10/74-12/15/94	24 ##	0.5	0.479	1.	0.	0.032	0.179	0.25	0.5	0.5	0.5
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/10/74-09/03/93	6	5750.	8433.333	18000.	1000.	47522666.667	6893.669	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/10/74-09/03/93	6	3.758	3.765	4.255	3.	0.209	0.457	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5818.45								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/03/76-12/15/94	29	2000.	7721.724	80000.	210.	233521900.493	15281.423	250.	795.	9600.	23000.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	11/03/76-12/15/94	29	3.301	3.405	4.903	2.322	0.455	0.675	2.398	2.89	3.982	4.362
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			2543.127								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/03/76-12/15/94	30	315.	1833.867	10400.	40.	8244083.637	2871.251	85.6	107.5	2750.	6590.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	11/03/76-12/15/94	30	2.498	2.696	4.017	1.602	0.563	0.751	1.932	2.031	3.438	3.818
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			496.04								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/10/74-09/14/82	6	1510.	10998.333	56000.	90.	492160576.667	22184.692	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/10/74-09/14/82	6	3.019	3.168	4.748	1.954	1.054	1.027	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1471.948								
60050	ALGAE, TOTAL (CELLS/ML)	04/03/74-08/12/81	11	7100.	10317.273	40000.	240.	152292281.818	12340.676	382.	1300.	11000.	37400.
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/21/64-12/15/94	68	427.	449.824	872.	206.	26418.058	162.536	241.6	304.5	562.5	691.

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

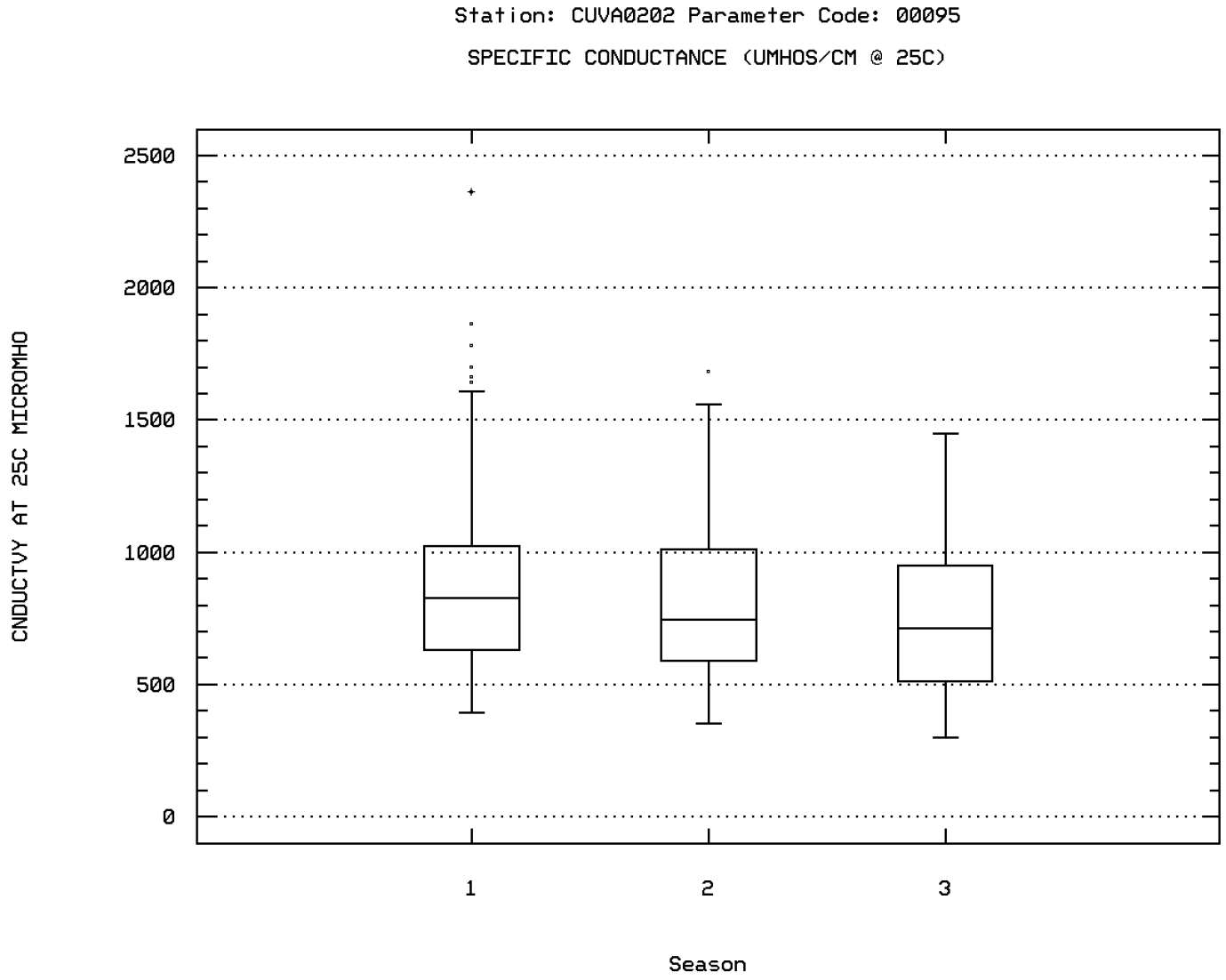
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	01/10/74-11/19/85	13	387.	360.615	506.	218.	11981.09	109.458	219.2	249.	467.5	505.2
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/03/68-08/17/82	51	1060.	1523.138	4690.	481.	1251380.54	1118.651	518.6	702.	2310.	3288.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/03/68-02/15/83	51	0.57	0.601	1.19	0.28	0.057	0.238	0.32	0.4	0.73	1.02
70331p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	01/22/57-09/03/86	36	91.	88.778	100.	2.	248.406	15.761	83.7	88.	96.	99.
70332p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	01/22/57-07/02/83	33	95.	95.152	100.	86.	14.133	3.759	91.	92.	98.	100.
70333p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	01/22/57-07/02/83	28	98.5	94.107	100.	0.	346.025	18.602	92.9	95.	99.75	100.
70334p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	01/22/57-03/28/83	20	100.	99.15	100.	97.	1.187	1.089	97.1	98.	100.	100.
70337p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	01/22/57-07/02/83	34	35.5	38.147	94.	22.	225.766	15.025	26.5	28.	40.25	58.
70338p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	01/22/57-07/02/83	34	47.	46.882	86.	19.	173.38	13.167	34.	38.75	50.25	59.5
70339p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	01/22/57-07/02/83	34	59.5	58.294	96.	17.	172.153	13.121	46.	52.75	63.	74.
70340p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	01/22/57-07/02/83	34	72.5	72.647	99.	7.	241.69	15.546	60.5	69.	80.25	91.
70341p	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	01/22/57-07/02/83	34	84.5	83.294	99.	0.	270.275	16.44	74.5	82.	90.25	97.5
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/03/79-11/19/85	6	0.275	0.548	1.7	0.12	0.374	0.611	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/21/64-07/28/73	38	10.5	12.763	34.	4.3	47.786	6.913	6.45	7.85	15.25	26.
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	09/03/70-11/19/85	10	0.92	0.899	1.1	0.61	0.034	0.184	0.613	0.738	1.1	1.1
71887	NITROGEN, TOTAL, AS NO3 - MG/L	01/10/74-08/12/81	17	14.	13.665	20.	7.6	15.852	3.982	8.16	9.2	17.	18.4
71890	MERCURY, DISSOLVED (UG/L AS HG)	01/10/74-09/17/91	20 ##	0.075	0.123	0.3	0.05	0.008	0.09	0.05	0.05	0.2	0.25
71900	MERCURY, TOTAL (UG/L AS HG)	10/15/70-06/15/82	10 ##	0.25	0.575	2.2	0.1	0.653	0.808	0.1	0.1	0.688	2.18
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	01/22/57-12/15/94	66	712.	854.424	4560.	6.	945641.479	972.441	14.7	49.	1275.	2000.
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	01/22/57-08/17/82	51	3790.	10690.165	85200.	5.4	278441570.816	16686.569	16.4	475.	15300.	31140.

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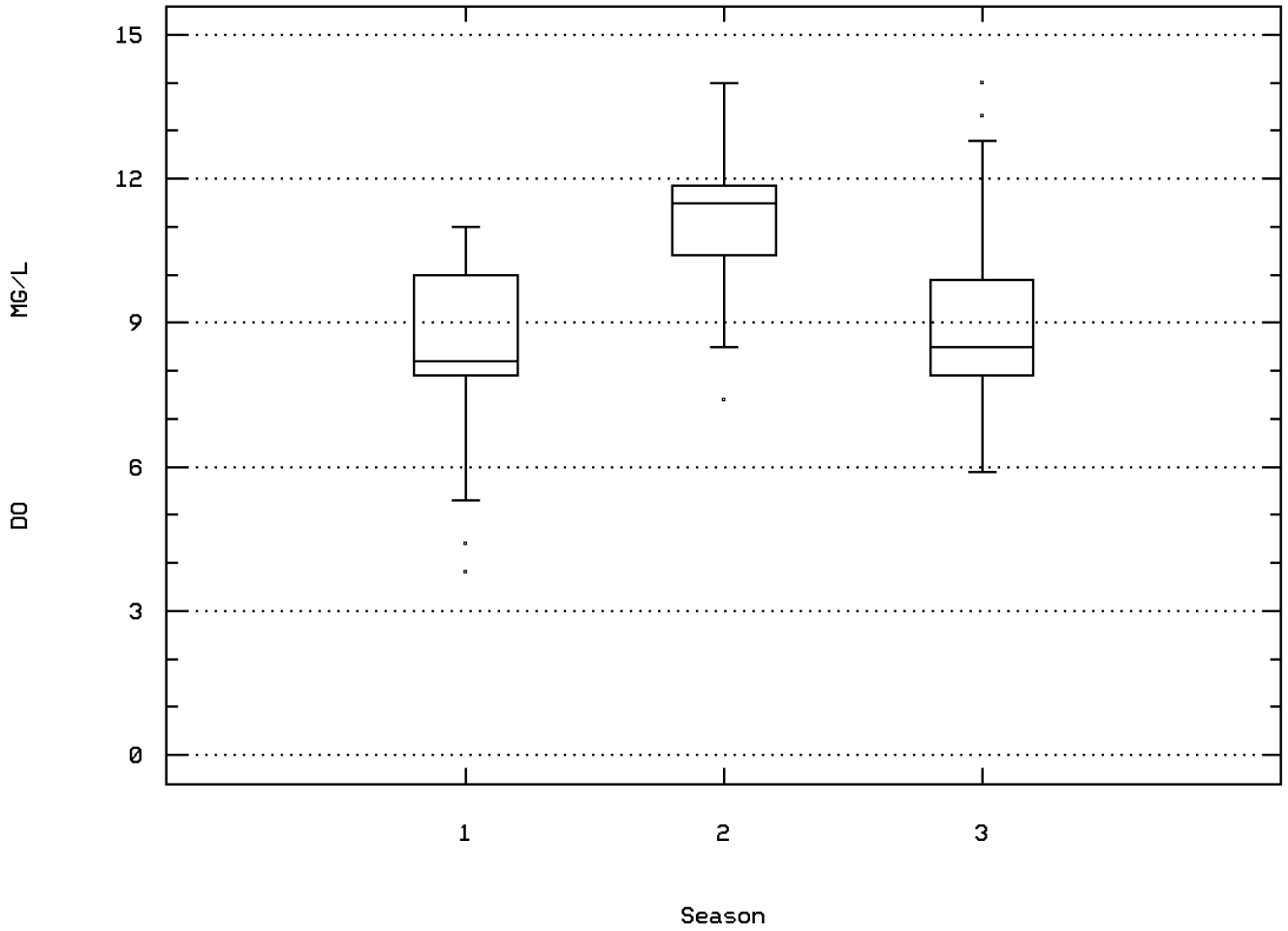
CUYAHOGA R AT INDEPENDENCE OH



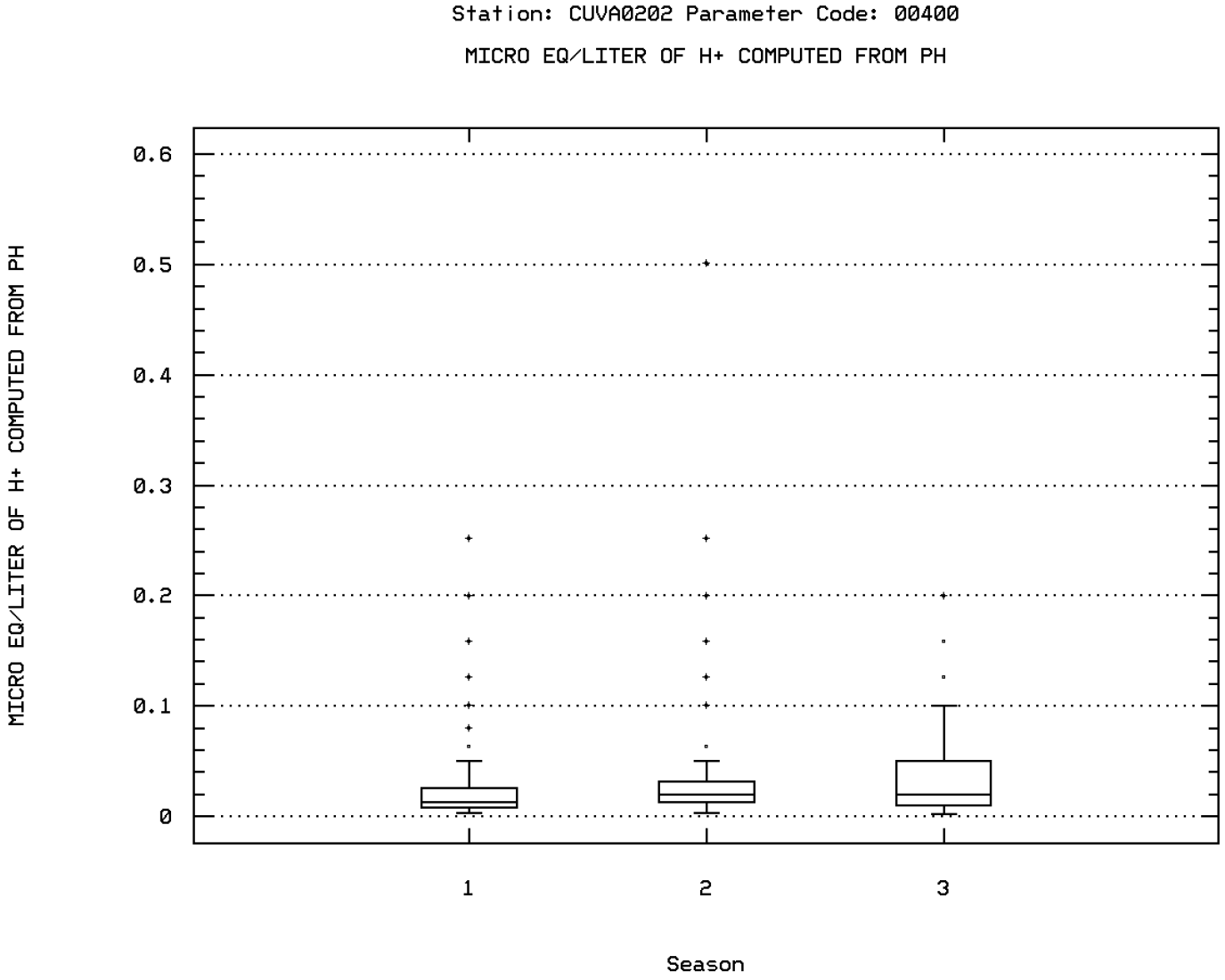
CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 00300

OXYGEN, DISSOLVED



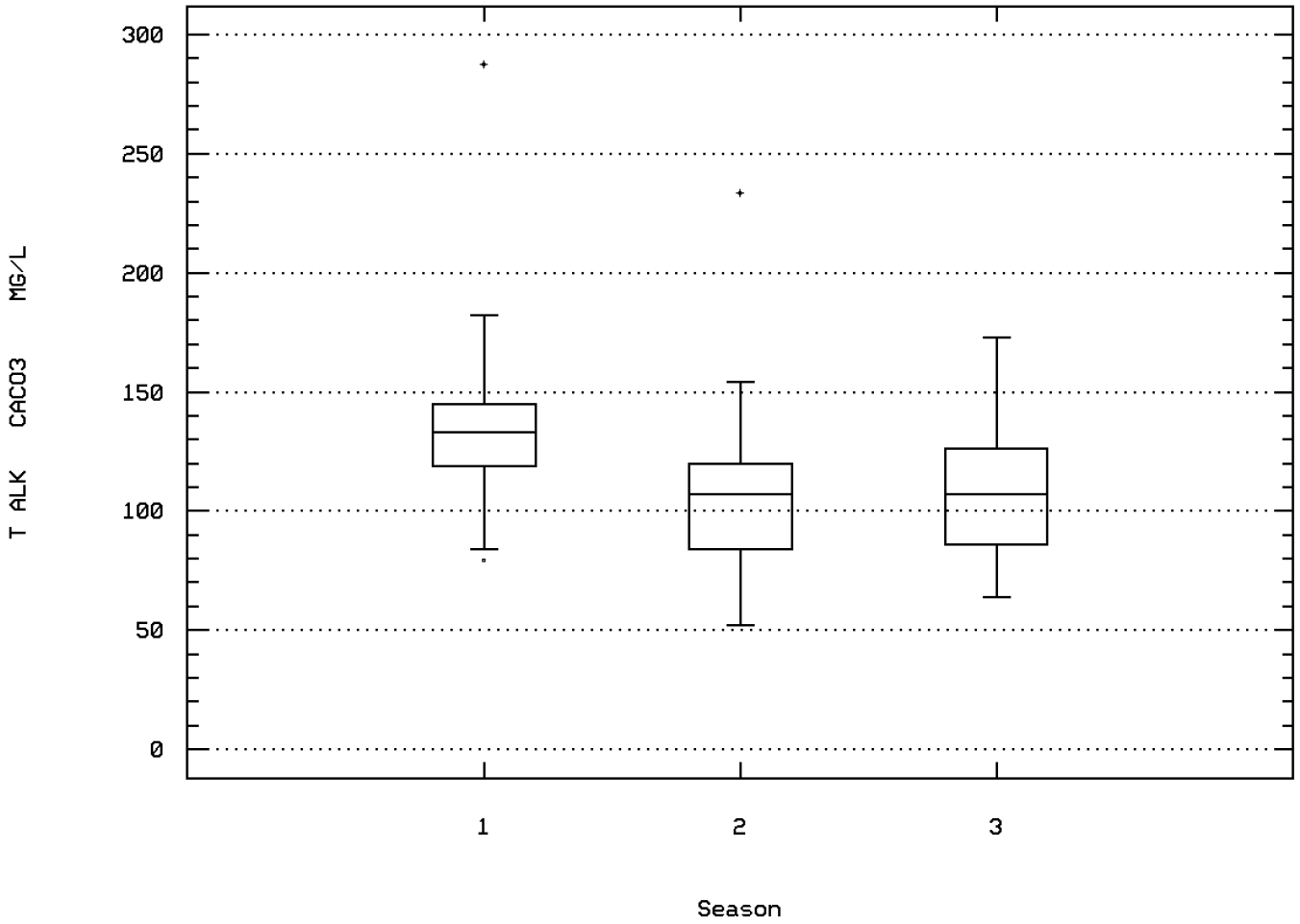
CUYAHOGA R AT INDEPENDENCE OH



CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 00410

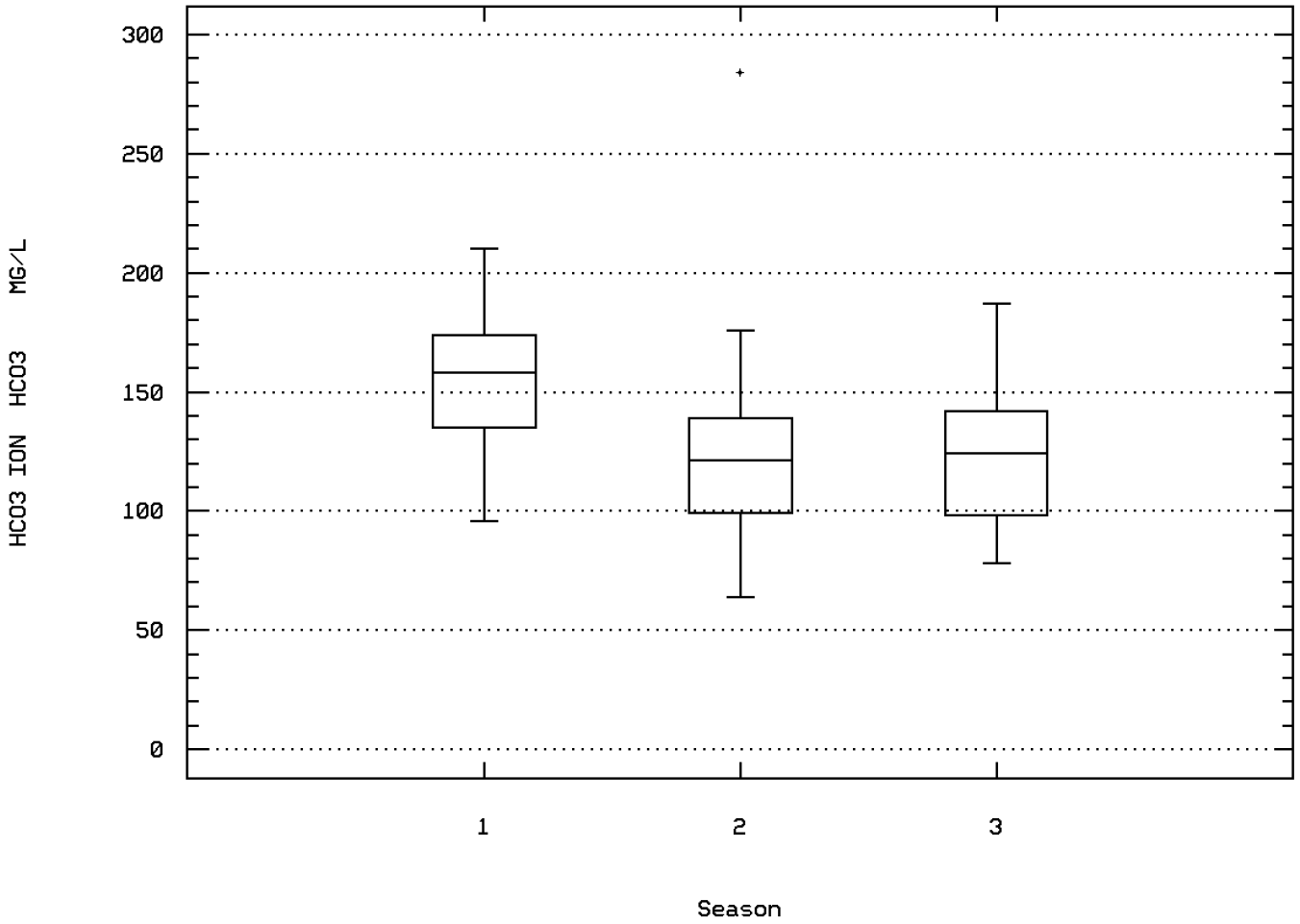
ALKALINITY, TOTAL (MG/L AS CACO3)



CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 00440

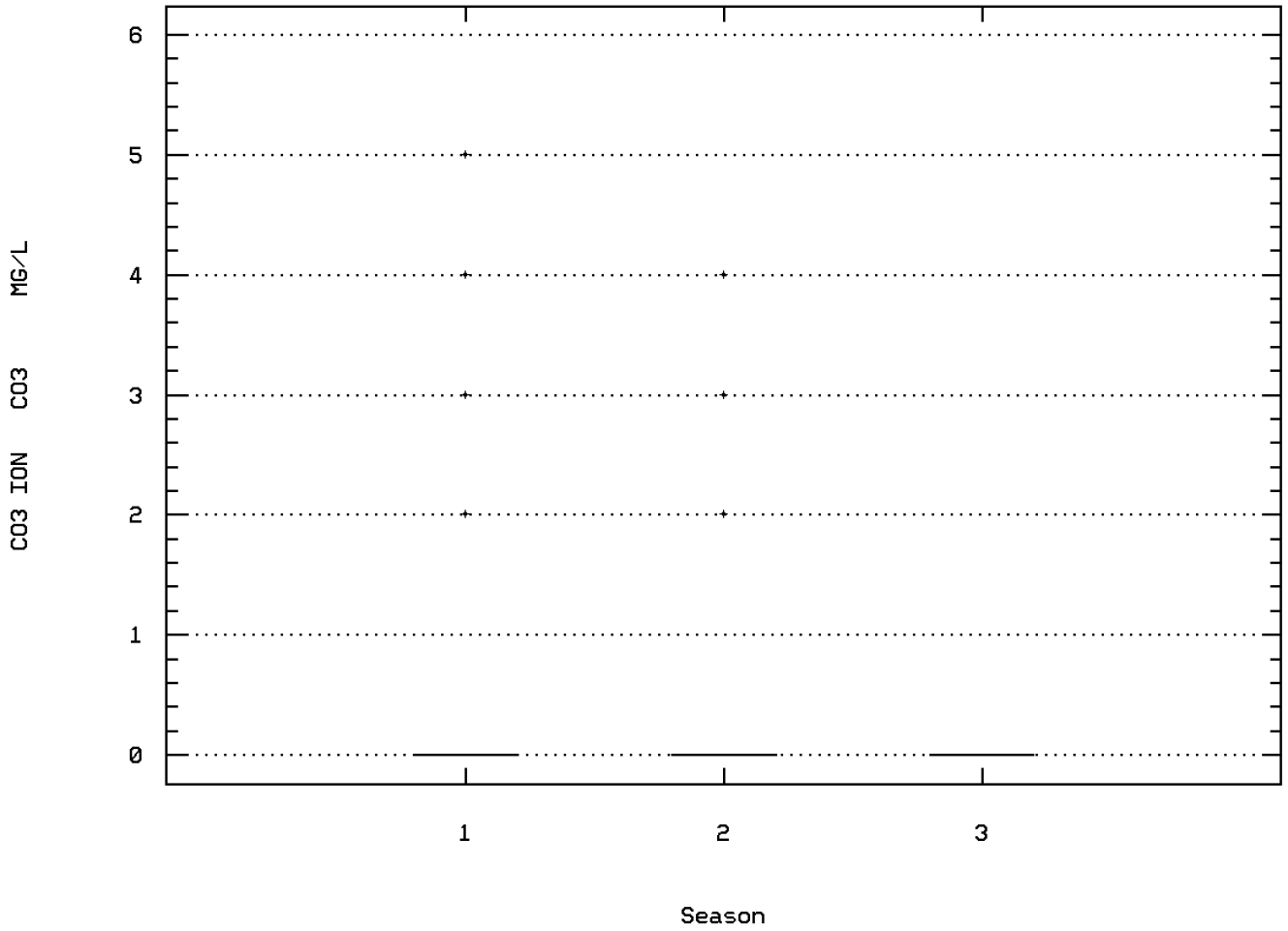
BICARBONATE ION (MG/L AS HCO3)



CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 00445

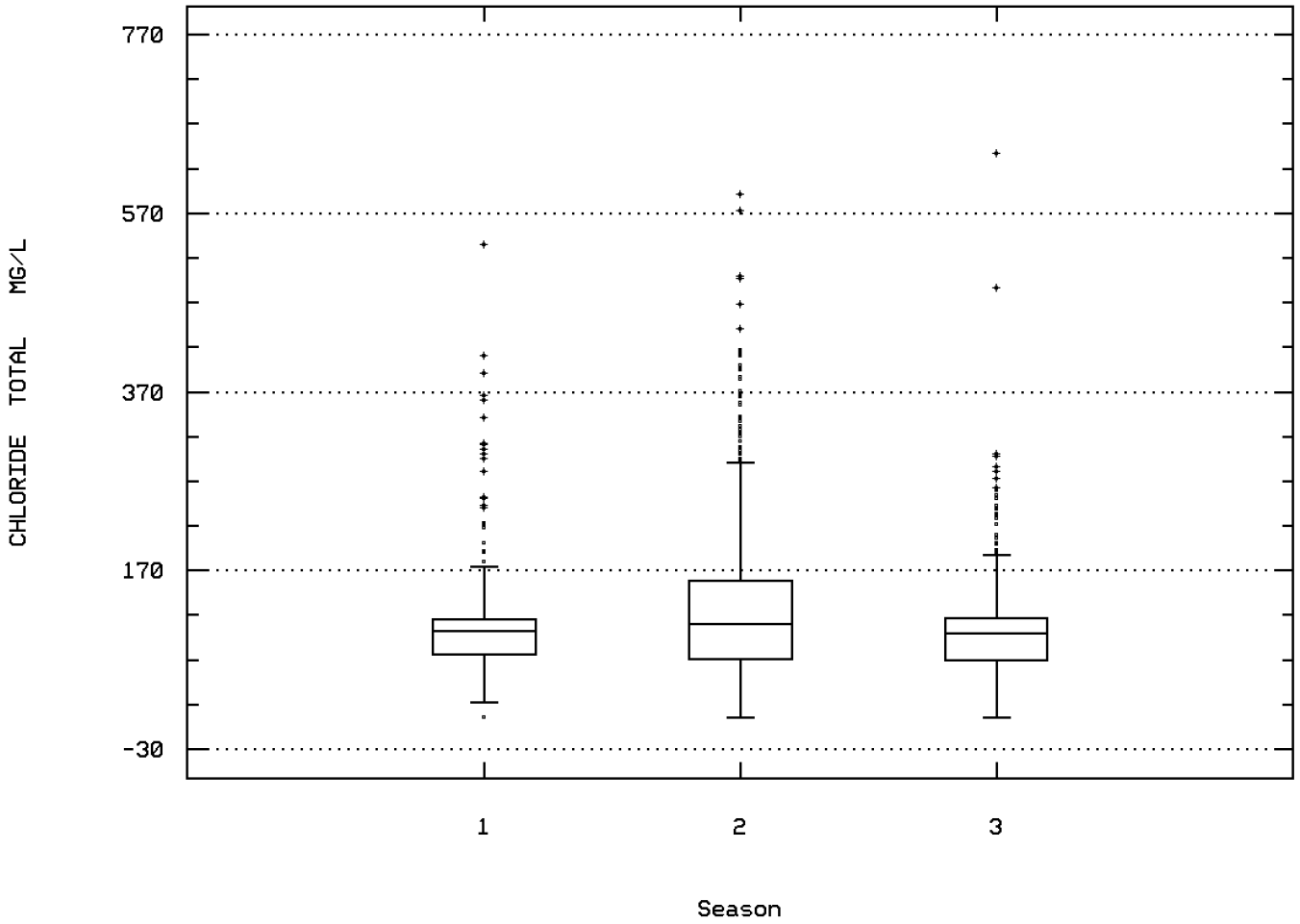
CARBONATE ION (MG/L AS CO3)



CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 00940

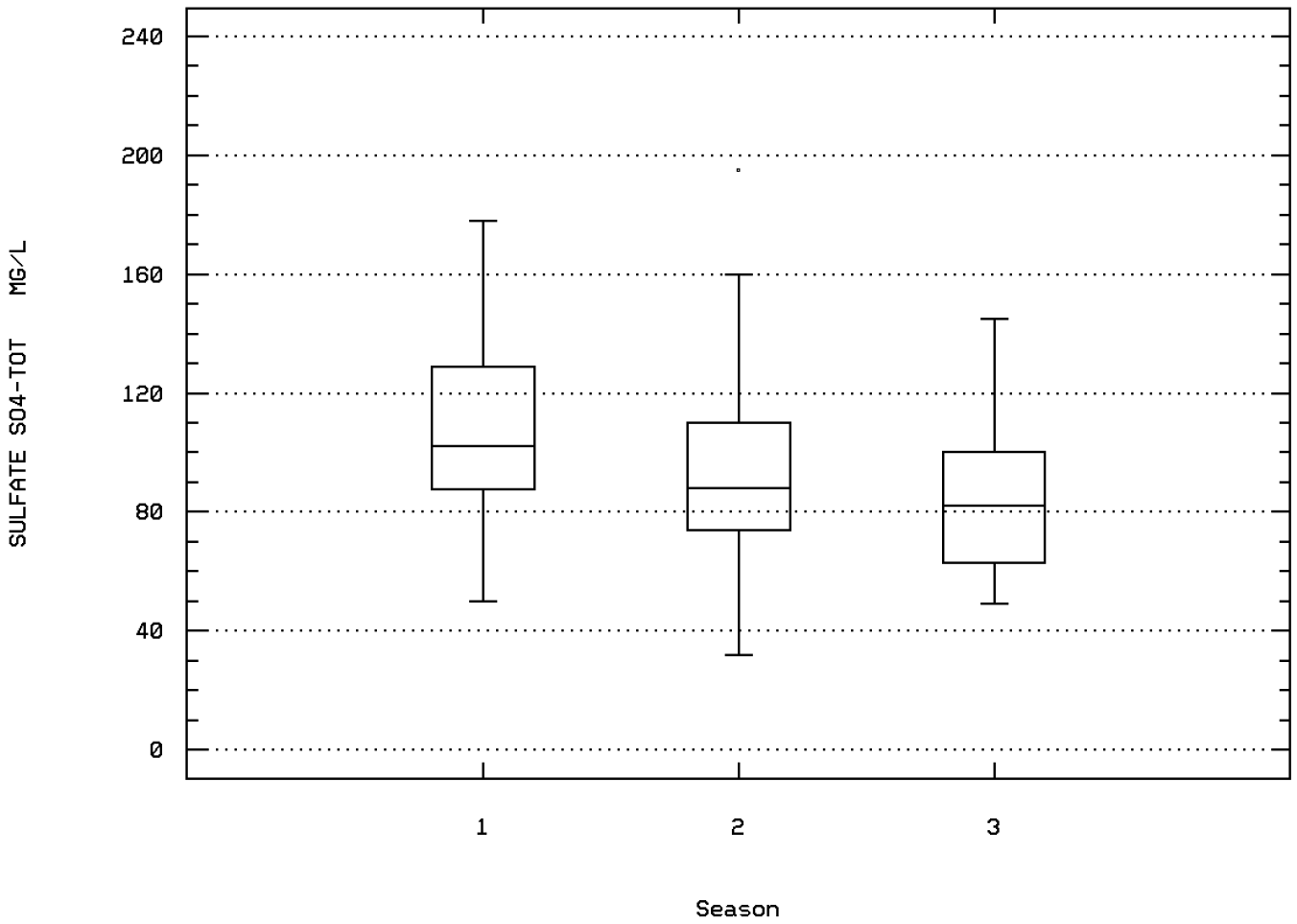
CHLORIDE,TOTAL IN WATER



CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 00945

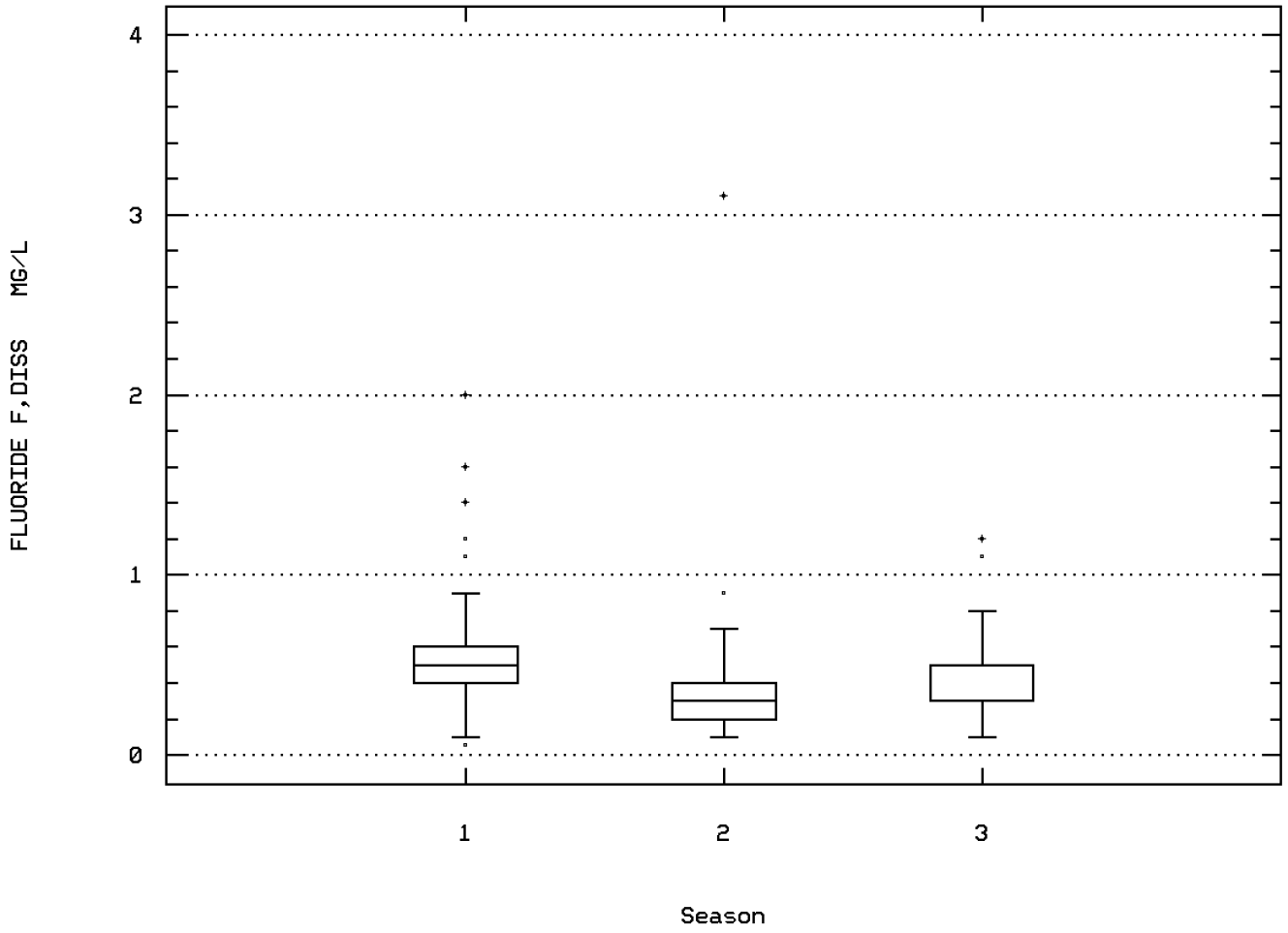
SULFATE, TOTAL (MG/L AS SO4)



CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 00950

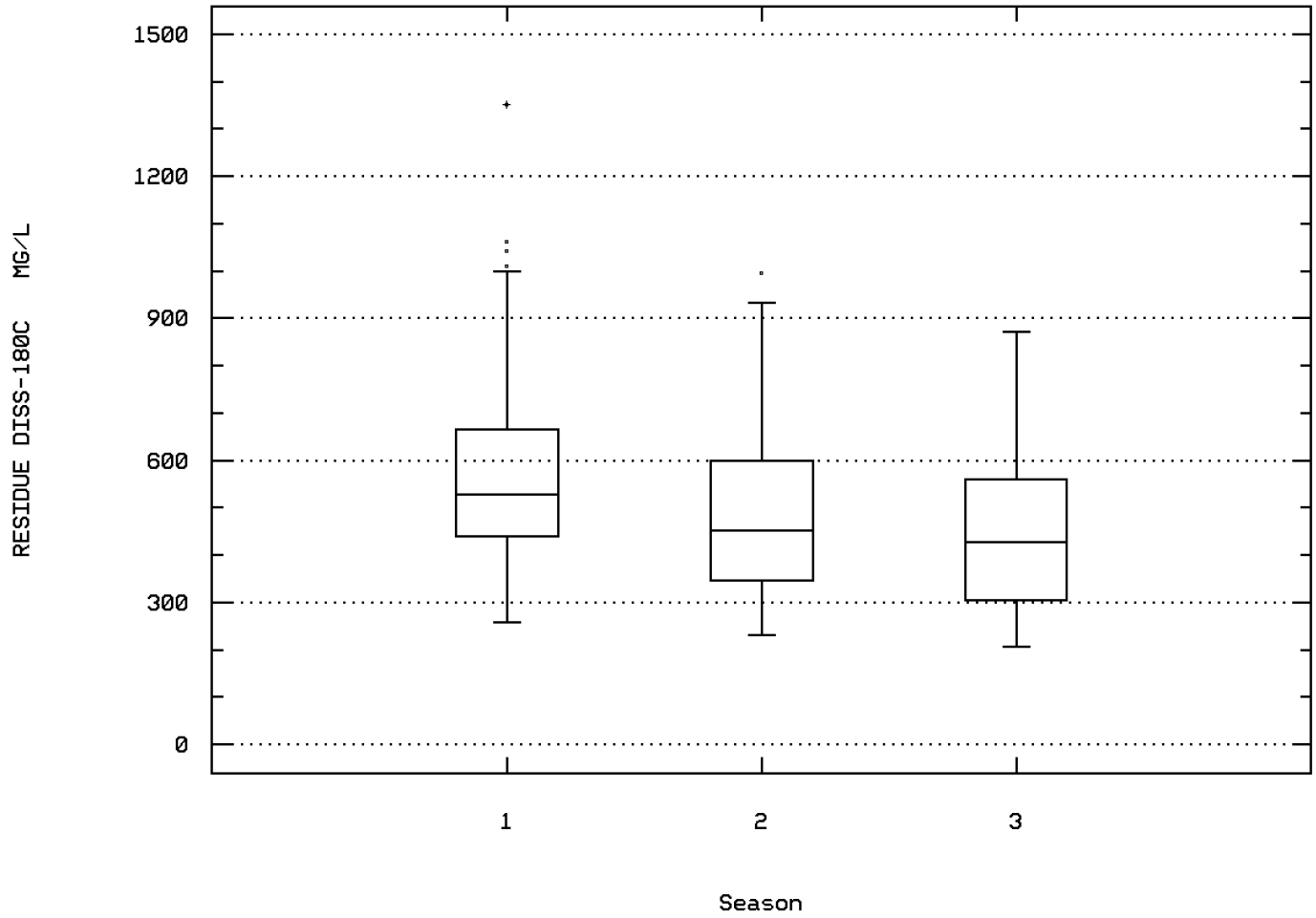
FLUORIDE, DISSOLVED (MG/L AS F)



CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 70300

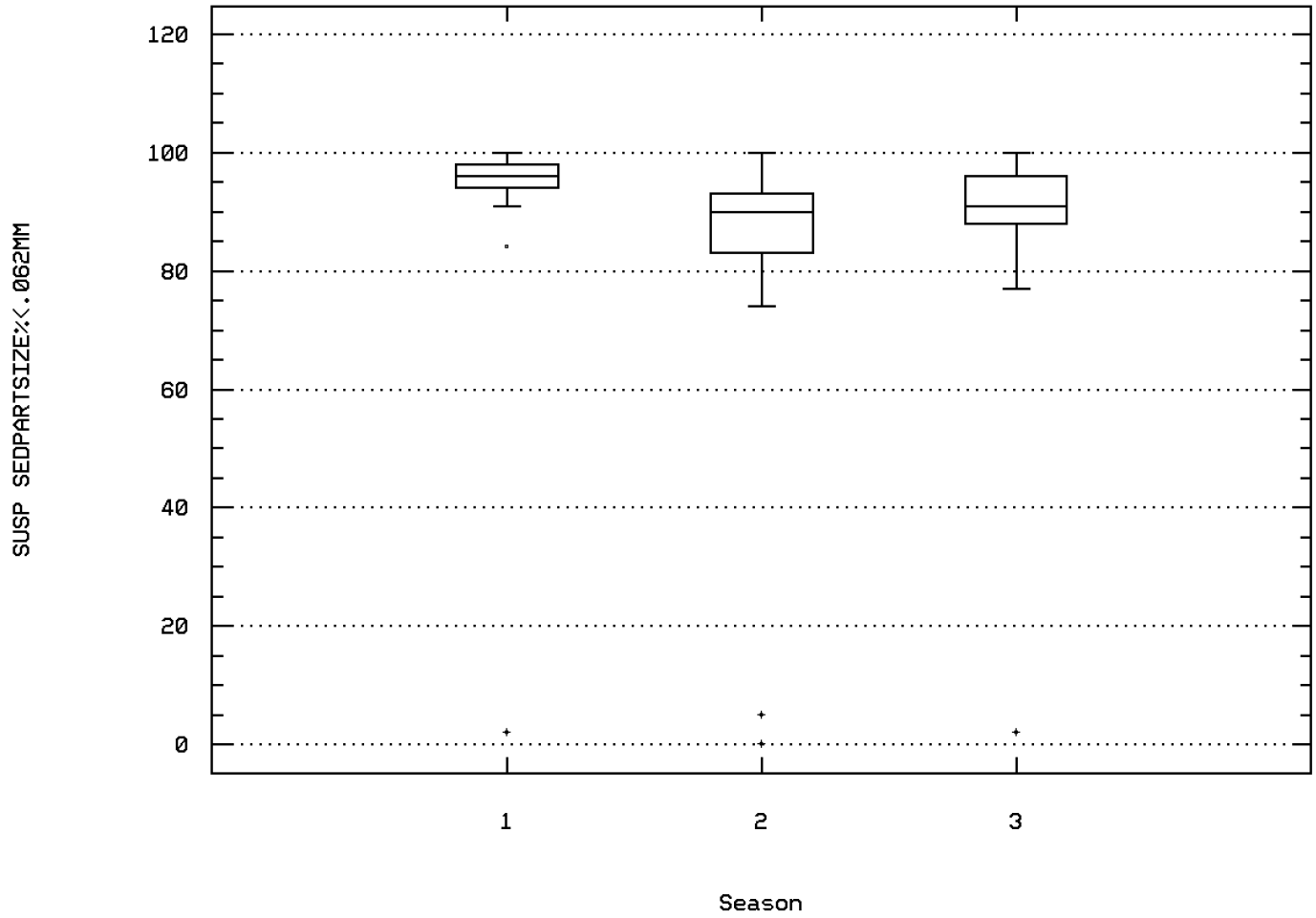
RESIDUE,TOTAL FILTRABLE (DRIED AT 180C)



CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 70331

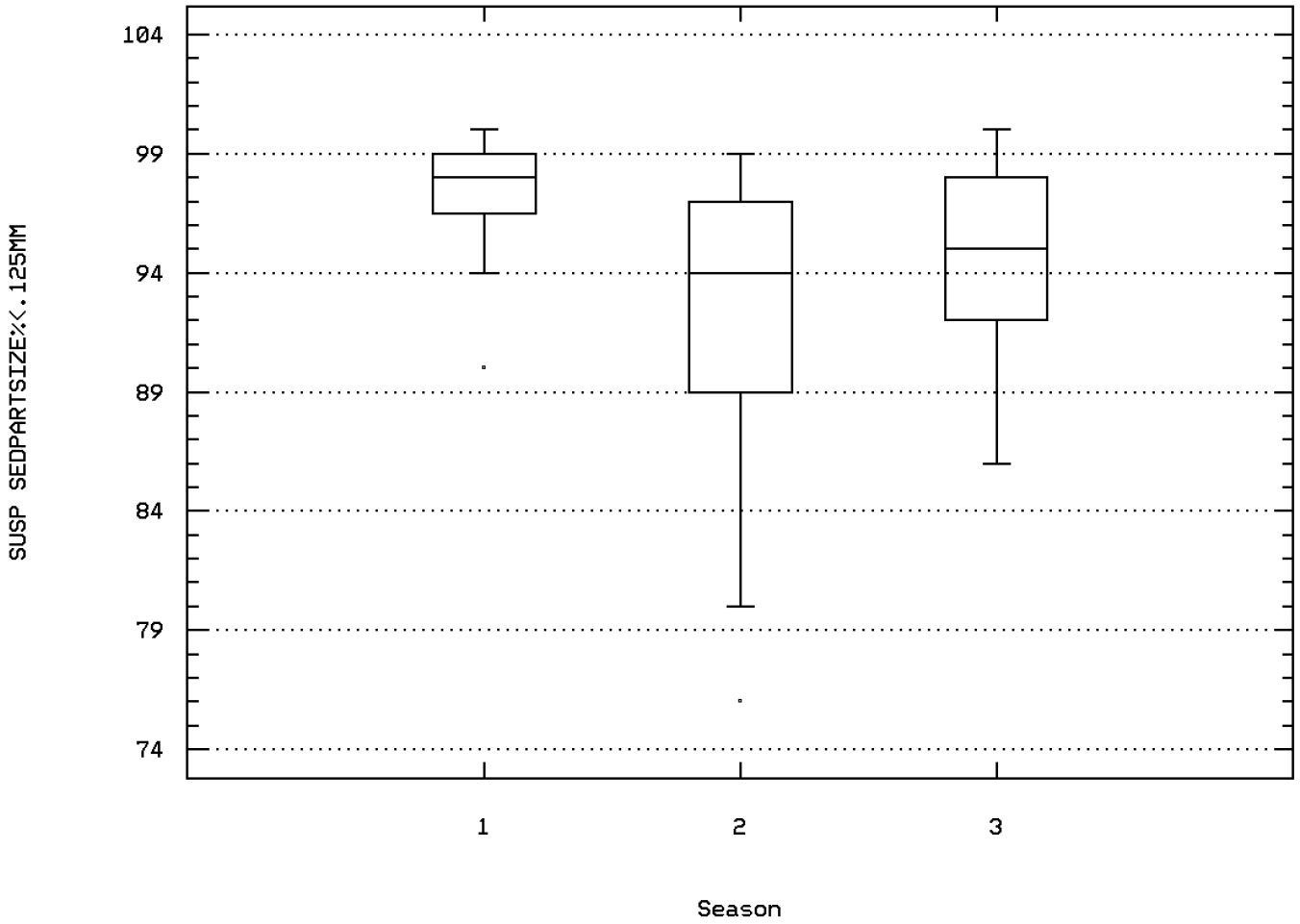
SUSPENDED SED SIEVE DIAMETER,% FINER TH



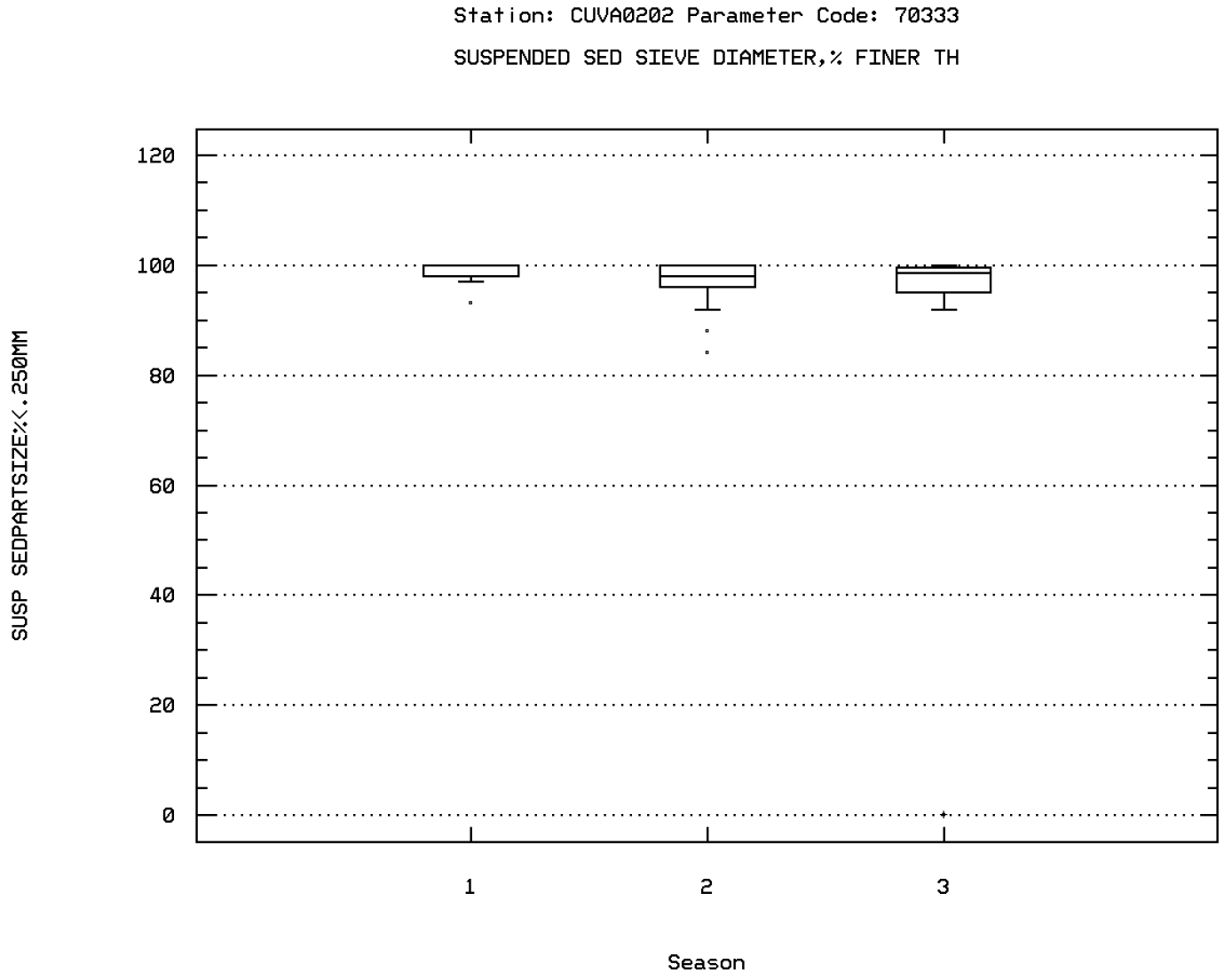
CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 70332

SUSPENDED SED SIEVE DIAMETER,% FINER TH



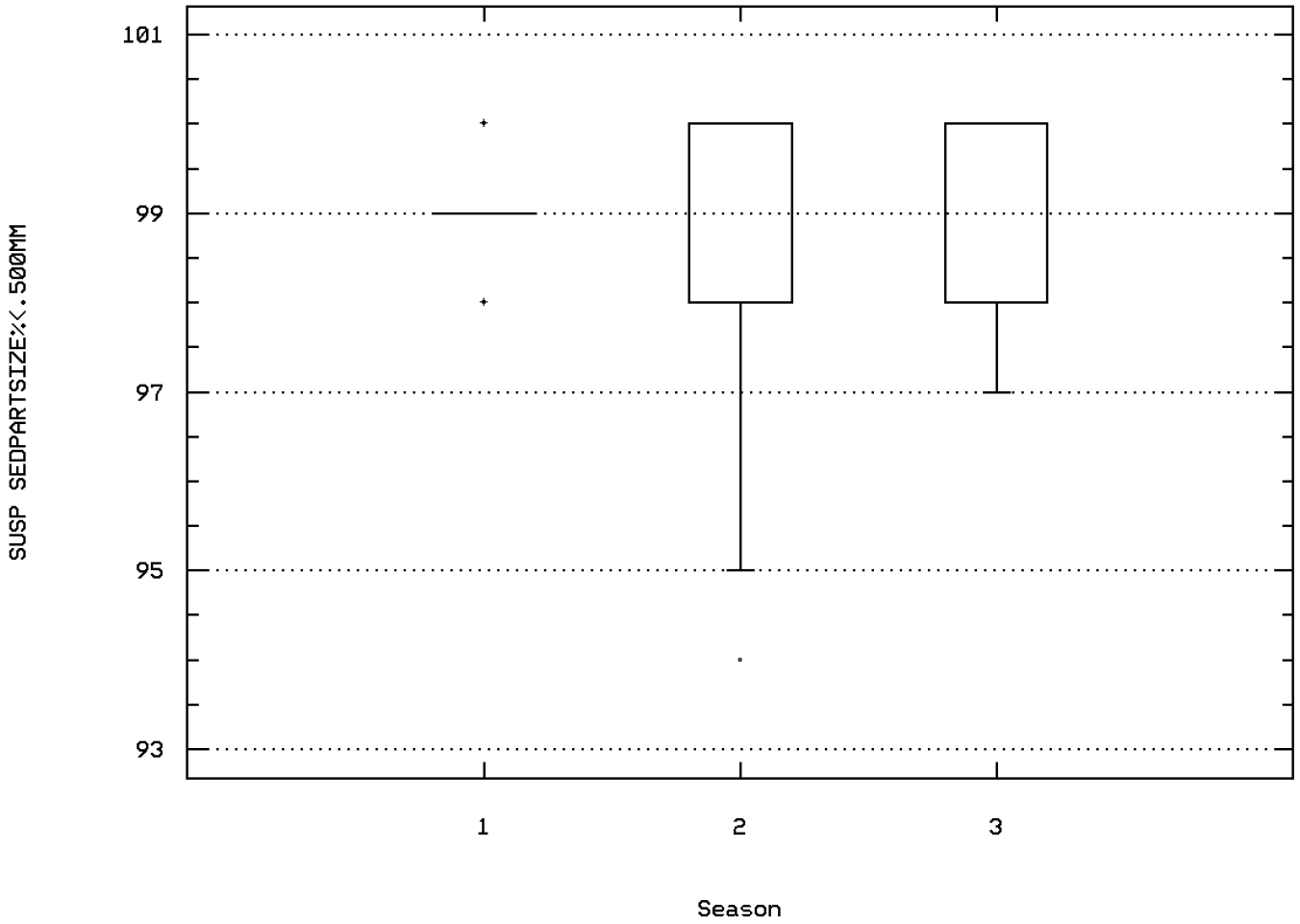
CUYAHOGA R AT INDEPENDENCE OH



CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 70334

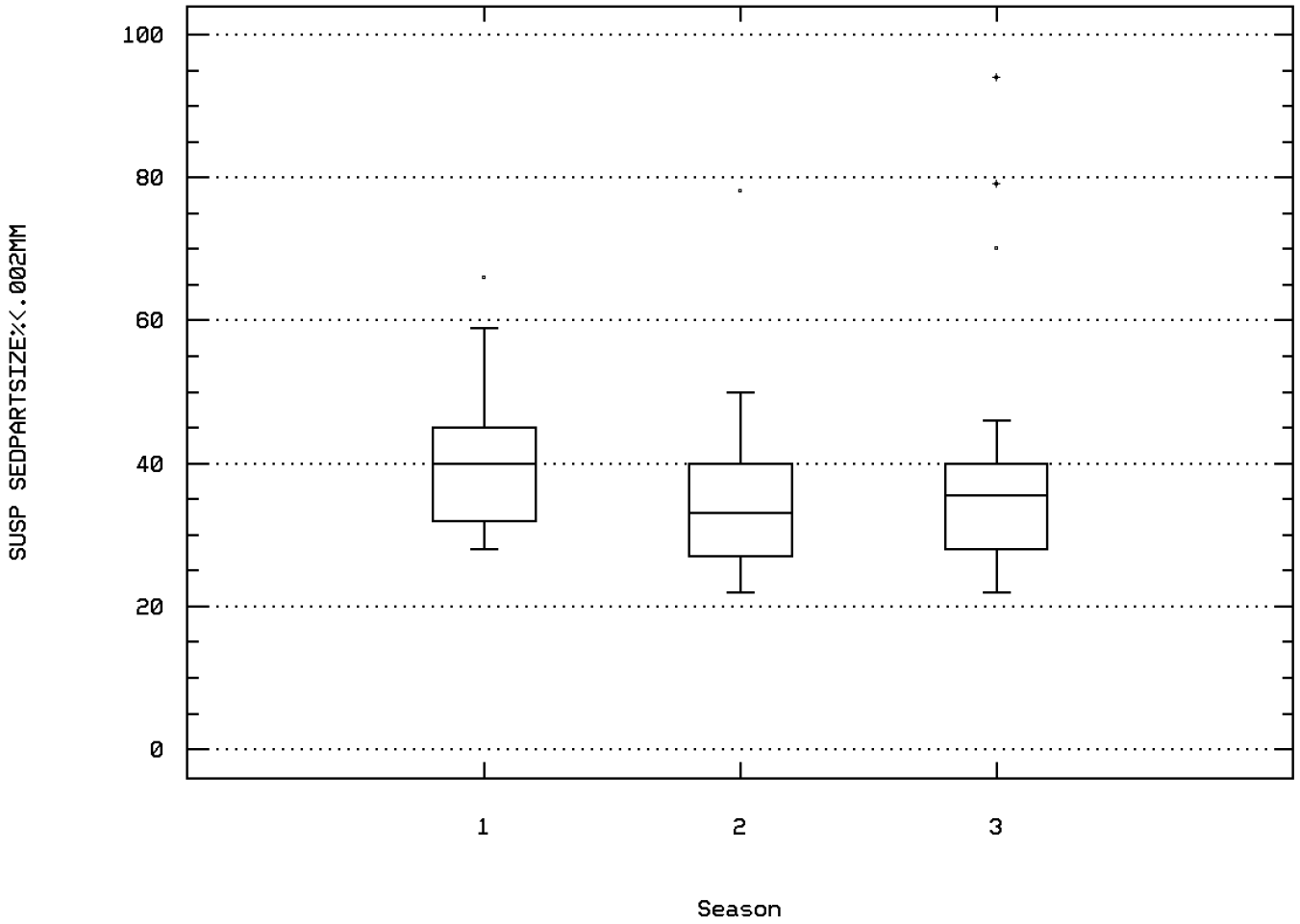
SUSPENDED SED SIEVE DIAMETER,% FINER TH



CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 70337

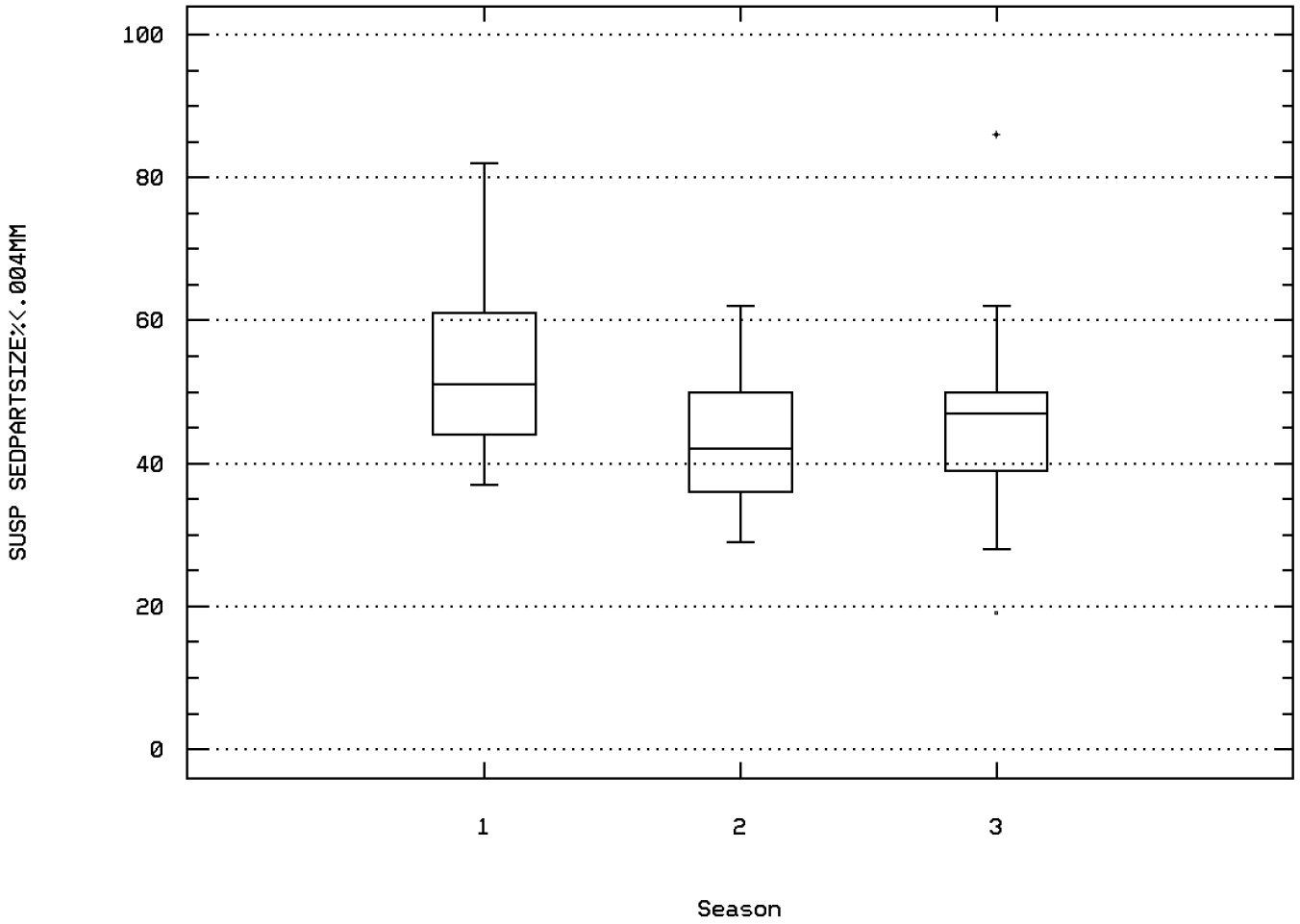
SUS SED FALL DIA(DISTLD WATER)%FINER TH



CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 70338

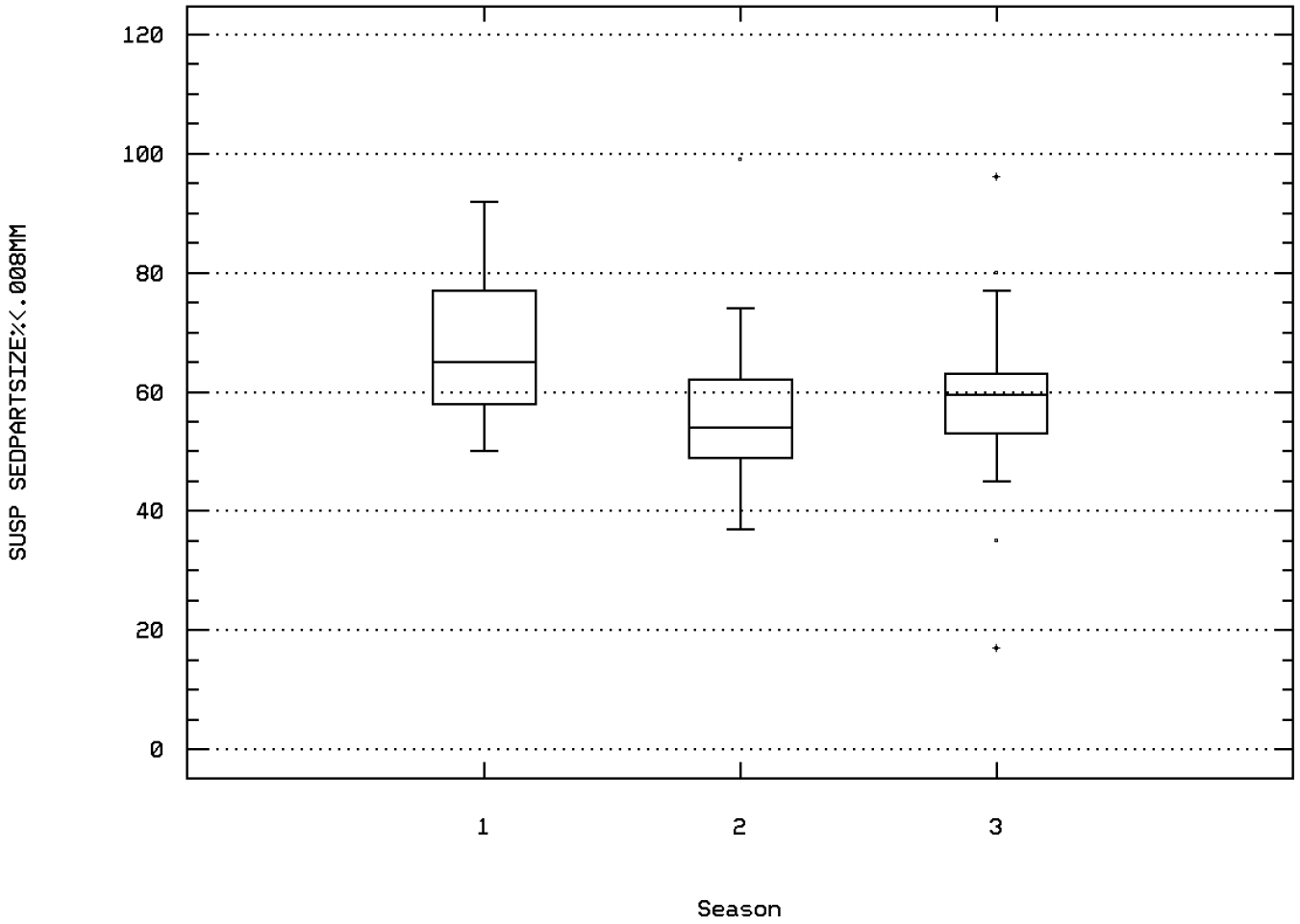
SUS SED FALL DIA(DISTLD WATER)%FINER TH



CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 70339

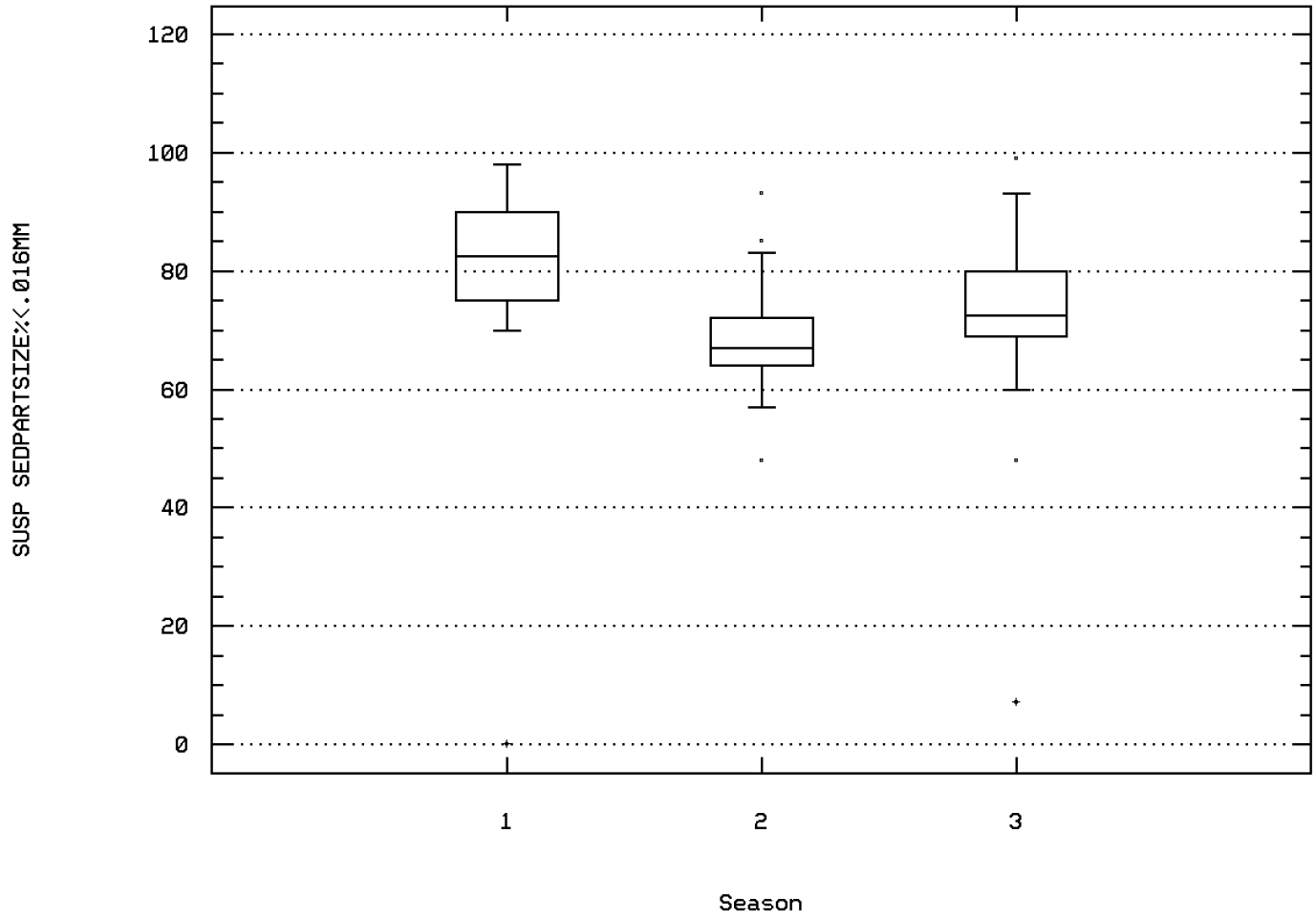
SUS SED FALL DIA(DISTLD WATER)%FINER TH



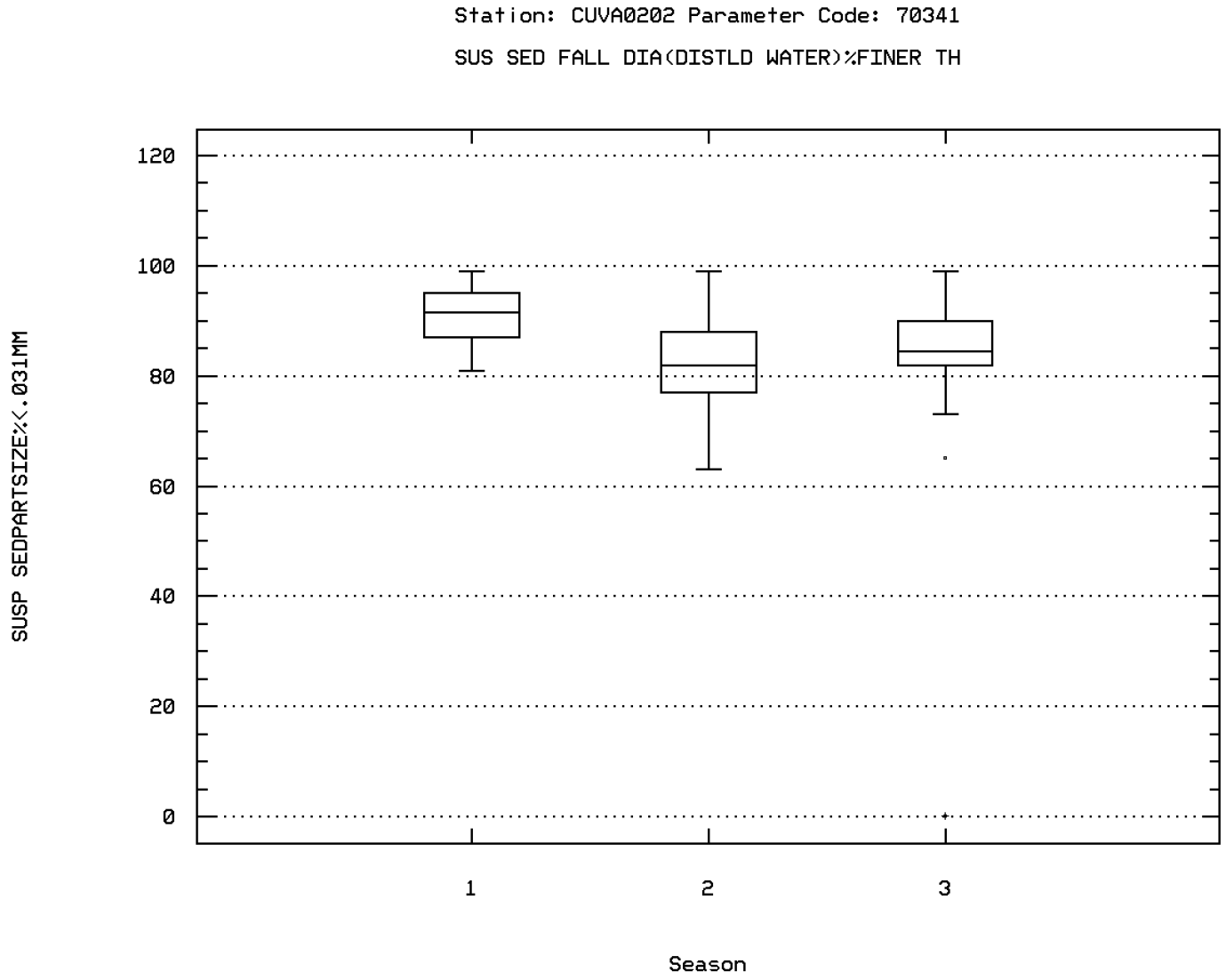
CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 70340

SUS SED FALL DIA(DISTLD WATER)%FINER TH



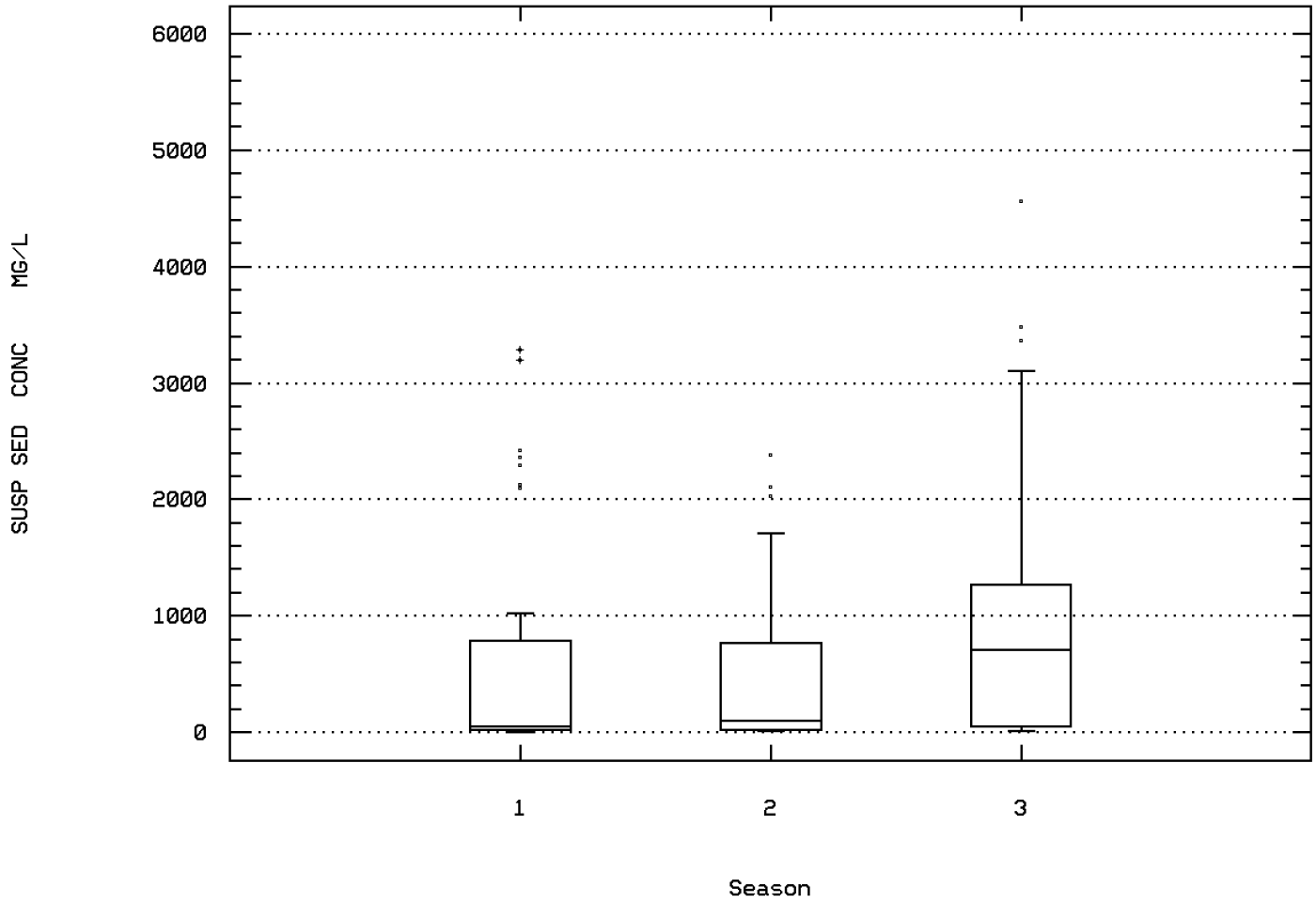
CUYAHOGA R AT INDEPENDENCE OH



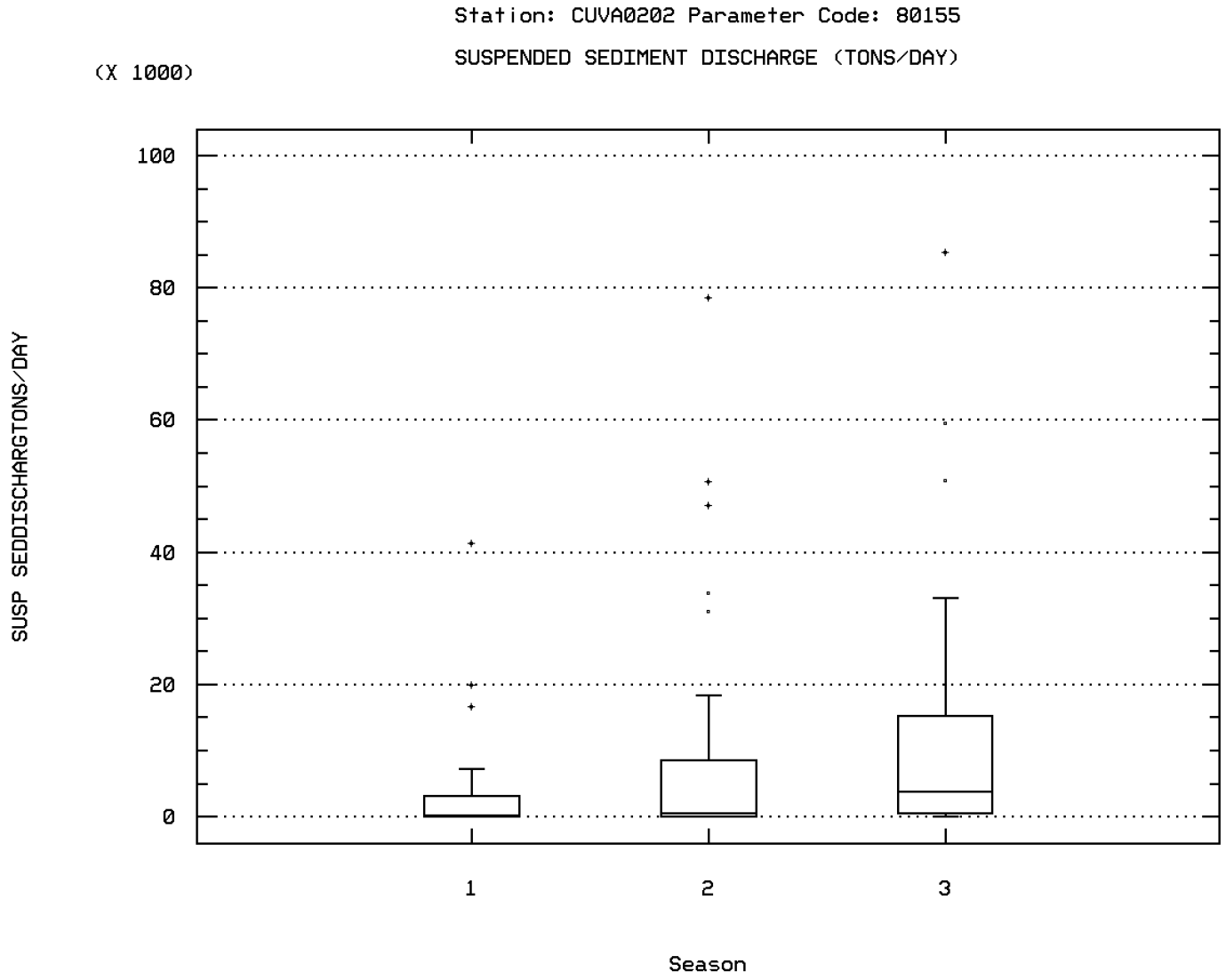
CUYAHOGA R AT INDEPENDENCE OH

Station: CUVA0202 Parameter Code: 80154

SUSP. SEDIMENT CONCENTRATION-EVAP. AT 1



CUYAHOGA R AT INDEPENDENCE OH



CUYAHOGA R AT INDEPENDENCE OH

Station Inventory for Station: CUVA0203

NPS Station ID: CUVA0203 LAT/LON: 41.395281/ -81.630003 Agency: 21OHIO Date Created: / /
Location: CUYAHOGA R. AT INDEPENDENCE - OLD ROCKSIDE RD. FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 502020 /P0801
RMI-Indexes: 0603002 Within Park Boundary: No
RMI-Miles: 0013.18
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 10.880 Distance from RF1: 16.80 On/Off RF1: ON
RF3 Index: 04110002001400.00 RF3 Mile Point: 1.74 Distance from RF3: 0.05 On/Off RF3:
Description:
PURPOSE - PWQMN STATION AND IJC LAKE ERIE TRIB. STATION. TO MONITOR DOWNSTREAM OF MAJOR TRIB. CONFLUENCE. (TINKERS CRK.)
LOCATION - CUYAHOGA CO.; BRIDGE ON OLD ROCKSIDE RD.; 0.8 MI. NORTHEAST OF INDEPENDENCE AND 3 MI. DOWNSTREAM FROM TINKERS CRK.
COLLECTION - OHIO EPA-NORTHEAST DISTRICT - 216-425-9171

Parameter Inventory for Station: CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	252	12.75	12.31	27.	-1.	63.962	7.998	2.	5.	20.15	22.28
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	246	757.5	1008.598	6330.	87.	675711.188	822.017	284.6	446.25	1346.25	1978.3
00065	STAGE, STREAM (FEET)	03/27/75-12/07/93	153	3.66	3.941	10.95	2.32	2.105	1.451	2.514	2.82	4.74	5.734
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/08/75-02/28/80	24	9.55	25.779	240.	3.2	2717.089	52.126	3.35	4.175	17.75	87.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/20/80-10/21/81	16	7.7	42.05	405.	1.6	10111.761	100.557	3.7	5.275	13.75	188.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	181	600.	622.707	1320.	250.	58913.93	242.722	340.	424.	800.	940.8
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/73-12/07/93	126	666.5	685.937	1500.	220.	52215.388	228.507	383.5	519.75	850.	950.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	242	8.8	9.15	14.8	3.5	5.715	2.391	6.	7.2	11.325	12.4
00310	BOD, 5 DAY, 20 DEG C MG/L	04/09/73-07/18/88	65	8.	11.174	80.	1.3	169.957	13.037	3.64	5.3	10.	21.6
00335	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	235	22.	25.029	120.	4.	312.865	17.688	10.	16.	28.	37.8
00400p	PH (STANDARD UNITS)	04/09/73-12/07/93	201	7.8	7.766	8.8	6.	0.151	0.388	7.32	7.6	8.	8.2
00400p	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	201	7.8	7.5	8.8	6.	0.222	0.471	7.32	7.6	8.	8.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	201	0.016	0.032	1.	0.002	0.006	0.081	0.006	0.01	0.025	0.048
00403	PH, LAB, STANDARD UNITS SU	04/09/73-06/25/90	50	7.6	7.57	8.1	6.8	0.068	0.26	7.3	7.4	7.725	7.9
00403	CONVERTED PH, LAB, STANDARD UNITS	04/09/73-06/25/90	50	7.6	7.488	8.1	6.8	0.075	0.273	7.3	7.4	7.725	7.9
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-06/25/90	50	0.025	0.033	0.158	0.008	0.001	0.025	0.013	0.019	0.04	0.05
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	05/07/73-12/07/93	139	121.	124.885	216.	73.	660.929	25.709	92.	106.	144.	159.
00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/24/75-09/30/76	4	2.	2.25	5.	0.	4.25	2.062	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	12/19/73-09/25/90	62	514.	533.29	972.	268.	20210.996	142.165	376.2	429.5	626.25	704.6
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/21/73-02/28/80	72	490.	490.014	945.	224.	21928.408	148.082	315.2	388.75	586.75	686.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	212	26.5	59.205	790.	2.5	11582.433	107.622	7.	11.	53.	156.5
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	08/21/73-06/01/77	33	0.4	0.961	5.	0.	2.491	1.578	0.04	0.1	0.75	5.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	258	0.29	0.531	4.04	0.	0.42	0.648	0.025	0.08	0.732	1.31
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	184	0.07	0.123	0.85	0.01	0.019	0.137	0.02	0.04	0.168	0.32
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/18/88-07/18/88	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	250	1.	1.259	5.91	0.	0.789	0.888	0.6	0.7	1.4	2.5
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	259	1.73	2.122	6.09	0.	1.306	1.143	0.98	1.28	2.84	3.89
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/21/73-12/24/75	3	1.1	1.133	1.2	1.1	0.003	0.058	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	05/08/75-03/25/76	4	0.34	0.408	0.8	0.15	0.078	0.28	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	255	0.24	0.325	2.98	0.	0.109	0.33	0.08	0.13	0.4	0.656
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/30/77-03/25/82	37	0.187	0.225	0.55	0.05	0.022	0.15	0.067	0.113	0.309	0.486

** - Less than 9 observations ## - 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: CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/07/73-09/25/90	89	10.5	11.149	41.	0.1	54.956	7.413	2.5	5.3	15.	21.
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	03/20/80-08/05/81	5	16.	13.8	18.	8.	20.2	4.494	**	**	**	**
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	158 ##	0.005	0.033	3.8	0.	0.091	0.302	0.003	0.003	0.01	0.01
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	224	215.	217.75	692.	81.	2778.511	52.712	164.	180.25	252.	270.5
00916	CALCIUM, TOTAL (MG/L AS CA)	03/27/74-12/07/93	173	62.	62.233	103.	0.05	205.211	14.325	46.8	51.6	73.	77.86
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/27/74-12/07/93	168	14.5	14.924	21.	9.	9.068	3.011	11.	12.425	17.425	19.11
00929	SODIUM, TOTAL (MG/L AS NA)	03/27/74-12/26/91	59	72.	84.185	475.	34.	3410.383	58.398	45.	61.	93.	112.
00937	POTASSIUM, TOTAL MG/L AS K)	03/27/74-09/26/91	17	6.04	6.244	12.	3.2	4.351	2.086	3.6	5.025	6.685	10.08
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	221	104.	111.353	310.	1.	2811.111	53.02	57.	72.	137.5	184.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/19/73-12/07/93	140	84.5	82.921	131.	43.	359.627	18.964	55.1	69.25	96.75	107.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/06/73-02/28/80	54	0.33	0.341	0.68	0.13	0.012	0.108	0.215	0.26	0.415	0.49
00951	FLUORIDE, TOTAL (MG/L AS F)	03/20/80-10/21/81	17	0.4	0.351	0.54	0.005	0.017	0.13	0.169	0.27	0.445	0.492
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/21/77-11/09/81	30	7.3	7.42	11.9	3.7	4.669	2.161	4.21	6.475	9.	10.47
00956	SILICA, TOTAL (MG/L AS SI02)	05/12/77-06/30/77	3	8.2	7.567	8.3	6.2	1.403	1.185	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	04/09/73-12/07/93	75	2.	3.547	10.	0.	12.278	3.504	1.	1.	5.	10.
01007	BARIUM, TOTAL (UG/L AS BA)	04/09/73-09/26/91	35	200.	164.4	800.	0.	22200.482	148.998	24.	46.	200.	240.
01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/11/91-09/26/91	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	218 ##	0.2	1.548	20.	0.	9.075	3.012	0.1	0.1	1.5	5.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/16/74-01/13/81	28	10.	11.786	30.	0.	128.101	11.318	0.	0.	20.75	30.
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	203 ##	15.	17.249	50.	0.	50.986	7.14	15.	15.	15.	30.
01037	COBALT, TOTAL (UG/L AS CO)	09/11/91-09/26/91	6 ##	3.	3.	5.	1.	2.4	1.549	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	257 ##	5.	15.597	210.	0.	563.08	23.729	5.	5.	20.	30.
01045p	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	212	1230.	2606.811	33500.	0.	19638643.765	4431.551	493.	692.	2537.5	4649.
01046	IRON, DISSOLVED (UG/L AS FE)	08/21/73-09/27/73	3	0.	0.	0.	0.	0.	0.	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	236	4.	8.93	225.	0.	448.668	21.182	1.	2.	8.	16.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/09/73-09/26/91	67	130.	149.812	645.	9.5	11665.942	108.009	63.08	90.	170.	230.
01059	THALLIUM, TOTAL (UG/L AS TL)	09/11/91-09/26/91	6 ##	2.5	2.333	2.5	1.5	0.167	0.408	**	**	**	**
01067p	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	176 ##	20.	33.227	240.	0.	1270.425	35.643	20.	20.	20.	100.
01077	SILVER, TOTAL (UG/L AS AG)	12/24/75-09/26/91	10 ##	2.	13.1	30.	1.	211.656	14.548	1.1	2.	30.	30.
01082	STRONTIUM, TOTAL (UG/L AS SR)	04/09/73-05/29/75	14	200.	170.	300.	0.	4830.769	69.504	50.	130.	200.	250.
01087	VANADIUM, TOTAL (UG/L AS V)	03/28/79-09/26/91	13 ##	6.	6.115	10.	1.5	15.84	3.98	1.5	1.5	10.	10.
01092p	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	251	28.	48.076	2070.	0.	19939.902	141.209	5.	16.	40.	80.
01097	ANTIMONY, TOTAL (UG/L AS SB)	09/11/91-09/26/91	6 ##	8.5	13.	23.5	5.5	67.5	8.216	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/09/73-09/26/91	44	500.	975.727	8900.	100.	2078760.715	1441.791	200.	299.25	1200.	2600.
01147	SELENIUM, TOTAL (UG/L AS SE)	04/09/73-09/26/91	33	2.5	4.03	10.	0.	12.702	3.564	0.	1.	5.	10.
01501	ALPHA, TOTAL	03/25/70-09/29/77	88	0.	0.273	7.	0.	1.373	1.172	0.	0.	0.	0.
01503	ALPHA, DISSOLVED	06/02/71-07/22/76	61	0.	0.131	3.	0.	0.349	0.591	0.	0.	0.	0.
01505	ALPHA, SUSPENDED	06/02/71-07/22/76	61	0.	0.082	3.	0.	0.21	0.458	0.	0.	0.	0.
03501	BETA, TOTAL	03/25/70-09/29/77	88	4.	8.114	33.	0.	96.608	9.829	0.	0.	13.5	25.1
03503	BETA, DISSOLVED	06/02/71-07/22/76	61	0.	4.098	19.	0.	38.423	6.199	0.	0.	9.	15.
03505	BETA, SUSPENDED	06/02/71-07/22/76	61	0.	1.951	19.	0.	18.214	4.268	0.	0.	0.	9.8
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	04/09/73-05/08/74	1	230000.	230000.	230000.	230000.	0.	0.	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	04/09/73-05/08/74	1	5.362	5.362	5.362	5.362	0.	0.	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			230000.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	150	4200.	10395.553	97000.	1.	234026505.631	15297.925	441.	1200.	12250.	30800.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	150	3.623	3.558	4.987	0.	0.559	0.748	2.644	3.079	4.088	4.488
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3612.415								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/09/73-03/15/90	130	1900.	4487.192	29000.	18.	44747797.211	6689.379	223.	700.	3902.5	14000.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	04/09/73-03/15/90	130	3.279	3.233	4.462	1.255	0.419	0.647	2.348	2.845	3.591	4.146
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1710.308								
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	207	9.	9.164	81.	0.	52.769	7.264	4.	5.	10.	16.
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34101	NITROGLYCERIN,WATER SAMPLE BY GAS CHROMATOGRAPHY M	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34200	ACENAPHTHYLENE TOTWUG/L	07/13/88-07/13/88	1 ##	0.95	0.95	0.95	0.95	0.	0.	**	**	**	**
34205	ACENAPHTHENE TOTWUG/L	07/13/88-07/13/88	1 ##	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
34220	ANTHRACENE TOTWUG/L	07/13/88-07/13/88	1 ##	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	1.45	1.45	1.45	1.45	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	07/13/88-07/13/88	1 ##	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
34247	BENZO-A-PYRENE TOTWUG/L	07/13/88-07/13/88	1 ##	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	07/13/88-07/13/88	1 ##	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	07/13/88-07/13/88	1 ##	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	07/13/88-07/13/88	1 ##	1.35	1.35	1.35	1.35	0.	0.	**	**	**	**
34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.95	0.95	0.95	0.95	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34320	CHRYSENE TOTWUG/L	07/13/88-07/13/88	1 ##	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
34336	DIETHYL PHTHALATE TOTWUG/L	11/16/78-07/13/88	19 ##	50.	47.474	50.	2.	121.263	11.012	50.	50.	50.	50.
34341	DIMETHYL PHTHALATE TOTWUG/L	11/16/78-07/13/88	19 ##	50.	47.489	50.	2.3	119.752	10.943	50.	50.	50.	50.
34371	ETHYLBENZENE TOTWUG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34376	FLUORANTHENE TOTWUG/L	07/13/88-07/13/88	1 ##	1.15	1.15	1.15	1.15	0.	0.	**	**	**	**
34381	FLUORENE TOTWUG/L	07/13/88-07/13/88	1 ##	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	07/13/88-07/13/88	1 ##	1.05	1.05	1.05	1.05	0.	0.	**	**	**	**
34396	HEXACHLOROETHANE TOTWUG/L	07/13/88-07/13/88	1 ##	1.05	1.05	1.05	1.05	0.	0.	**	**	**	**
34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	07/13/88-07/13/88	1 ##	1.35	1.35	1.35	1.35	0.	0.	**	**	**	**
34408	ISOPHORONE TOTWUG/L	07/13/88-07/13/88	1 ##	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	07/13/88-07/13/88	1 ##	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	07/13/88-07/13/88	1 ##	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
34433	N-NITROSODIPHENYLAMINE TOTWUG/L	07/13/88-07/13/88	1 ##	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
34447	NITROBENZENE TOTWUG/L	07/13/88-07/13/88	1 ##	1.45	1.45	1.45	1.45	0.	0.	**	**	**	**
34452	PARACHLOROMETA CRESOL TOTWUG/L	07/13/88-07/13/88	1 ##	6.55	6.55	6.55	6.55	0.	0.	**	**	**	**
34461	PHENANTHRENE TOTWUG/L	07/13/88-07/13/88	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34469	PYRENE TOTWUG/L	07/13/88-07/13/88	1 ##	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	07/13/88-07/13/88	1 ##	1.45	1.45	1.45	1.45	0.	0.	**	**	**	**
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	07/13/88-07/13/88	1 ##	1.15	1.15	1.15	1.15	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	07/13/88-07/13/88	1 ##	1.15	1.15	1.15	1.15	0.	0.	**	**	**	**
34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	07/13/88-07/13/88	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE TOTWUG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34581	2-CHLORONAPHTHALENE TOTWUG/L	07/13/88-07/13/88	1 ##	1.15	1.15	1.15	1.15	0.	0.	**	**	**	**
34586	2-CHLOROPHENOL TOTWUG/L	07/13/88-07/13/88	1 ##	1.35	1.35	1.35	1.35	0.	0.	**	**	**	**
34591	2-NITROPHENOL TOTWUG/L	07/13/88-07/13/88	1 ##	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
34596	DI-N-OCTYL PHTHALATE TOTWUG/L	07/13/88-07/13/88	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34601	2,4-DICHLOROPHENOL TOTWUG/L	07/13/88-07/13/88	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
34606	2,4-DIMETHYLPHENOL TOTWUG/L	07/13/88-07/13/88	1 ##	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
34611	2,4-DINITROTOLUENE TOTWUG/L	07/13/88-07/13/88	1 ##	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
34616	2,4-DINITROPHENOL TOTWUG/L	07/13/88-07/13/88	1 ##	3.15	3.15	3.15	3.15	0.	0.	**	**	**	**
34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	07/13/88-07/13/88	1 ##	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
34626	2,6-DINITROTOLUENE TOTWUG/L	07/13/88-07/13/88	1 ##	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	07/13/88-07/13/88	1 ##	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	07/13/88-07/13/88	1 ##	1.05	1.05	1.05	1.05	0.	0.	**	**	**	**
34646	4-NITROPHENOL TOTWUG/L	07/13/88-07/13/88	1 ##	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	07/13/88-07/13/88	1 ##	5.85	5.85	5.85	5.85	0.	0.	**	**	**	**
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	07/13/88-07/13/88	1 ##	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
34696	NAPHTHALENE TOTWUG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	04/09/73-11/09/81	94	0.18	0.212	0.81	0.06	0.014	0.118	0.11	0.14	0.263	0.35
38760	DBCP WATER, TOTUG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	07/13/88-07/13/88	1	15.8	15.8	15.8	15.8	0.	0.	**	**	**	**
39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.95	0.95	0.95	0.95	0.	0.	**	**	**	**
39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	55	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	05/07/73-06/18/80	49	0.	0.021	0.85	0.	0.015	0.122	0.	0.	0.	0.008

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

Parameter Inventory for Station: CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	04/09/73-06/18/80	55	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	55	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	55	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	55	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	55	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	55	0.	0.	0.01	0.	0.	0.001	0.	0.	0.	0.
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/18/80-06/18/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	56	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	55	0.	0.	0.004	0.	0.	0.001	0.	0.	0.	0.
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	55	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	05/08/75-08/05/81	23 ##	0.25	0.317	1.75	0.	0.109	0.33	0.1	0.25	0.25	0.5
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	54	0.	0.021	1.15	0.	0.024	0.156	0.	0.	0.	0.
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	54	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	06/18/80-06/18/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	55	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	07/13/88-07/13/88	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39755	MIREX, TOTAL (UG/L)	06/18/80-06/18/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	55	0.	0.003	0.09	0.	0.	0.014	0.	0.	0.	0.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/21/80-12/07/93	162	448.	455.259	804.	250.	13974.38	118.213	310.6	354.	550.5	604.7
70311	PH, CACO3 STABILITY (STANDARD UNITS)	06/18/80-06/18/80	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
70311	CONVERTED PH, CACO3 STABILITY (STANDARD UNITS)	06/18/80-06/18/80	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
70311	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/80-06/18/80	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/09/73-09/26/91	57	0.5	0.436	4.	0.	0.295	0.543	0.	0.25	0.5	0.6
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77128	STYRENE WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77133	1,4-DIMETHYLBENZENE(P-XYLENE) WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77134	1,3-DIMETHYLBENZENE(M-XYLENE) WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77135	O-XYLENE WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77168	1,1-DICHLOROPROPENE WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77170	2,2-DICHLOROPROPANE WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77173	1,3-DICHLOROPROPANE WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77223	ISOPROPYLBENZENE WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77224	N-PROPYLBENZENE WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77275	1-METHYL-2-CHLOROBENZENE (O-CHLOR*WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77277	1-METHYL-4-CHLOROBENZENE (P-CHLOR*WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77297	CHLOROBROMOMETHANE WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77342	N-BUTYLBENZENE WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77350	SEC-BUTYLBENZENE WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77353	TERT-BUTYLBENZENE WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77356	1-METHYL-4-ISOPROPYLBENZENE WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77443	1,2,3-TRICHLOROPROPANE WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77562	1,1,1,2-TETRACHLOROETHANE WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77596	METHYLENE BROMIDE WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77613	1,2,3-TRICHLOROBENZENE WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	05/31/90-05/20/93	19	1.2	1.179	2.3	0.5	0.293	0.541	0.5	0.5	1.4	2.2
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	05/31/90-09/25/90	12	4.55	4.65	7.1	1.	2.539	1.593	1.78	3.9	6.	6.83
81343	TRICHLOROPENTENE WHOLE WATER SAMPLE UG/L	01/10/79-01/10/79	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
81346	DIETHYLHEXYLPHTHALATE ISOMRWHOLE WATER SAMPLE UG/L	11/16/78-02/17/81	6 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
81523	DIBUTYL NONANEDIOATE WHL WATER SMPL UG/L	11/16/78-02/17/81	14 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
81555	BROMOBENZENE WHL WATER SMPL UG/L	07/13/88-07/13/88	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0203

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	24	3	0.13	9	3	0.33	7	0	0.00	8	0	0.00			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	16	3	0.19	7	1	0.14	4	1	0.25	5	1	0.20			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	242	1	0.00	85	0	0.00	83	0	0.00	74	1	0.01			
00400	PH	Other-Hi Lim.	9.	201	0	0.00	72	0	0.00	73	0	0.00	56	0	0.00			
		Other-Lo Lim.	6.5	201	3	0.01	72	0	0.00	73	3	0.04	56	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	50	0	0.00	9	0	0.00	17	0	0.00	24	0	0.00			
		Other-Lo Lim.	6.5	50	0	0.00	9	0	0.00	17	0	0.00	24	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	184	0	0.00	79	0	0.00	56	0	0.00	49	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	259	0	0.00	101	0	0.00	87	0	0.00	71	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	158	8	0.05	63	2	0.03	51	1	0.02	44	5	0.11			
		Drinking Water	0.2	158	1	0.01	63	0	0.00	51	0	0.00	44	1	0.02			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	221	0	0.00	80	0	0.00	76	0	0.00	65	0	0.00			
		Drinking Water	250.	221	5	0.02	80	1	0.01	76	3	0.04	65	1	0.02			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	140	0	0.00	47	0	0.00	53	0	0.00	40	0	0.00			
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	54	0	0.00	14	0	0.00	21	0	0.00	19	0	0.00			
00951	FLOURIDE, TOTAL AS F	Drinking Water	4.	17	0	0.00	7	0	0.00	4	0	0.00	6	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	75	0	0.00	36	0	0.00	19	0	0.00	20	0	0.00			
		Drinking Water	50.	75	0	0.00	36	0	0.00	19	0	0.00	20	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	35	0	0.00	13	0	0.00	6	0	0.00	16	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	6	0	0.00	6	0	0.00									
		Drinking Water	4.	6	0	0.00	6	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	218	34	0.16	91	12	0.13	61	9	0.15	66	13	0.20			
		Drinking Water	5.	218	34	0.16	91	12	0.13	61	9	0.15	66	13	0.20			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	28	8	0.29	8	1	0.13	11	4	0.36	9	3	0.33			
		Drinking Water	100.	28	0	0.00	8	0	0.00	11	0	0.00	9	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	203	0	0.00	87	0	0.00	58	0	0.00	58	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	257	71	0.28	101	21	0.21	82	25	0.30	74	25	0.34			
		Drinking Water	1300.	257	0	0.00	101	0	0.00	82	0	0.00	74	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	236	4	0.02	96	3	0.03	71	0	0.00	69	1	0.01			
		Drinking Water	15.	236	26	0.11	96	11	0.11	71	7	0.10	69	8	0.12			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	6	0	0.00	6	0	0.00									
		Drinking Water	2.	1 &	0	0.00	1	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	176	0	0.00	74	0	0.00	52	0	0.00	50	0	0.00			
		Drinking Water	100.	175 &	19	0.11	74	7	0.09	51	7	0.14	50	5	0.10			
01077	SILVER, TOTAL	Fresh Acute	4.1	10	4	0.40	7	1	0.14	1	1	1.00	2	2	1.00			
		Drinking Water	100.	10	0	0.00	7	0	0.00	1	0	0.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	251	15	0.06	101	8	0.08	77	4	0.05	73	3	0.04			
		Drinking Water	5000.	251	0	0.00	101	0	0.00	77	0	0.00	73	0	0.00			
01097	ANTIMONY, TOTAL	Fresh Acute	88.	6	0	0.00	6	0	0.00									
		Drinking Water	6.	1 &	0	0.00	1	0	0.00									
01147	SELENIUM, TOTAL	Fresh Acute	20.	33	0	0.00	15	0	0.00	6	0	0.00	12	0	0.00			
		Drinking Water	50.	33	0	0.00	15	0	0.00	6	0	0.00	12	0	0.00			
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.	150	145	0.97	51	48	0.94	49	49	1.00	50	48	0.96			
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									
32105	DIBROMOCHLOROMETHANE, 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									
34205	ACENAPHTHENE, TOTAL	Fresh Acute	1700.	1	0	0.00	1	0	0.00									
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00	1	0	0.00									
		Drinking Water	700.	1	0	0.00	1	0	0.00									

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EPA Water Quality Criteria Analysis for Station: CUVA0203

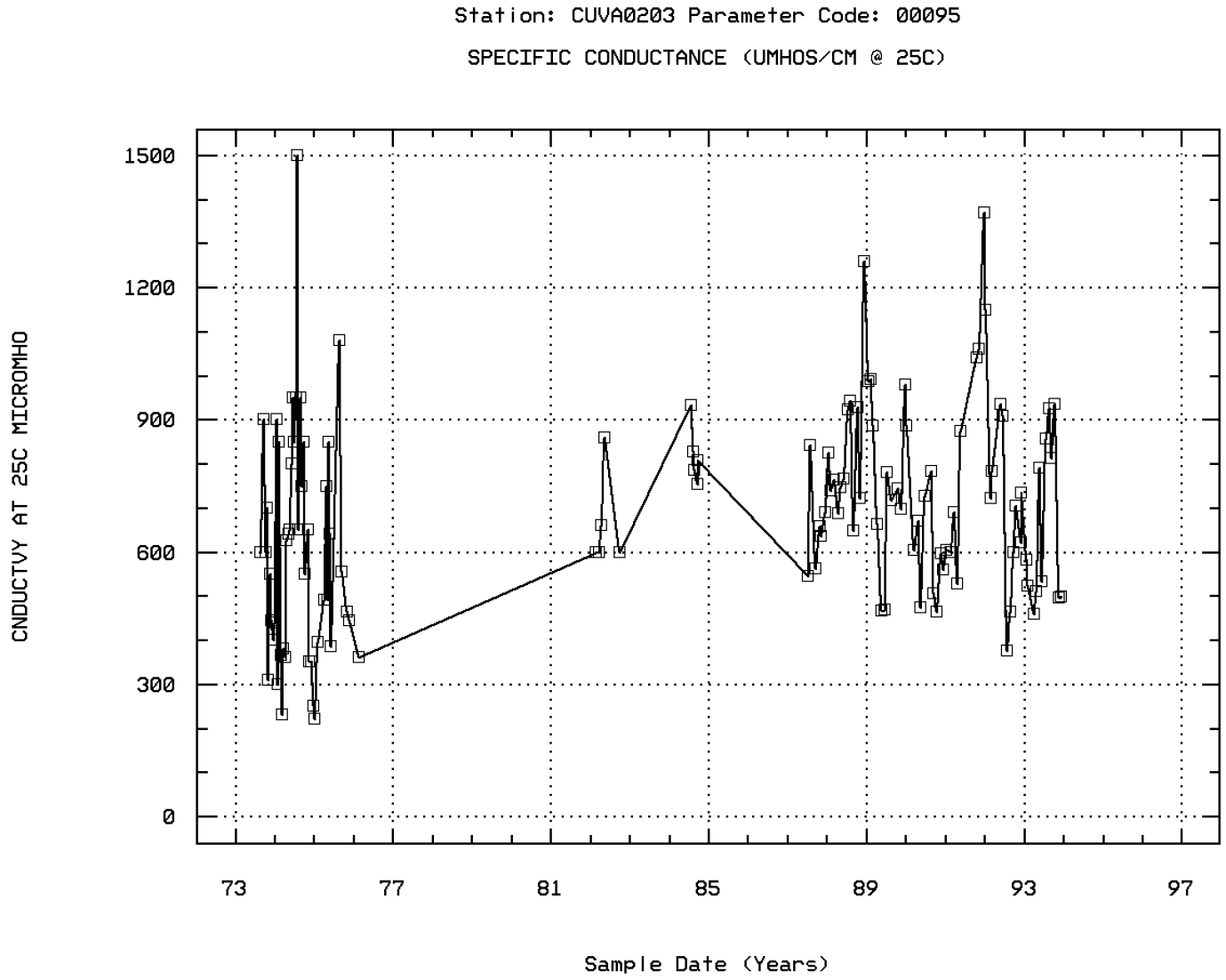
Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34376	FLUORANTHENE, TOTAL	Fresh Acute	3980.	1	0	0.00	1	0	0.00									
34386	HEXACHLOROCYCLOPENTADIENE	Fresh Acute	7.	1	0	0.00	1	0	0.00									
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL	Drinking Water	50.	1	0	0.00	1	0	0.00									
34396	HEXACHLOROETHANE, TOTAL	Fresh Acute	980.	1	0	0.00	1	0	0.00									
34403	IDENO (1,2,3-CD) PYRENE	Drinking Water	0.4	0 &	0	0.00												
34408	ISOPHORONE, TOTAL	Fresh Acute	117000.	1	0	0.00	1	0	0.00									
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34447	NITROBENZENE, TOTAL	Fresh Acute	27000.	1	0	0.00	1	0	0.00									
34452	PARACHLOROMETA CRESOL, TOTAL	Fresh Acute	30.	1	0	0.00	1	0	0.00									
34461	PHENANTHRENE, TOTAL	Fresh Acute	30.	1	0	0.00	1	0	0.00									
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00	1	0	0.00									
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00	1	0	0.00									
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00	1	0	0.00									
34551	1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	70.	1	0	0.00	1	0	0.00									
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00	1	0	0.00									
34586	2-CHLOROPHENOL, TOTAL	Fresh Acute	4380.	1	0	0.00	1	0	0.00									
34601	2,4-DICHLOROPHENOL, TOTAL	Fresh Acute	2020.	1	0	0.00	1	0	0.00									
34606	2,4-DIMETHYLPHENOL, TOTAL	Fresh Acute	2120.	1	0	0.00	1	0	0.00									
34611	2,4-DINITROTOLUENE, TOTAL	Fresh Acute	330.	1	0	0.00	1	0	0.00									
34694	PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	Fresh Acute	10200.	1	0	0.00	1	0	0.00									
34696	NAPHTHALENE, TOTAL	Fresh Acute	2300.	1	0	0.00	1	0	0.00									
38760	DBCP, WATER, TOTAL	Drinking Water	0.2	0 &	0	0.00												
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	1.	1	1	1.00	1	1	1.00									
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	Fresh Acute	2000.	1	0	0.00	1	0	0.00									
		Drinking Water	6.	1	0	0.00	1	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	55	0	0.00	23	0	0.00	12	0	0.00	20	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	49	0	0.00	20	0	0.00	11	0	0.00	18	0	0.00			
		Drinking Water	0.2	49	1	0.02	20	0	0.00	11	0	0.00	18	1	0.06			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	55	0	0.00	23	0	0.00	12	0	0.00	20	0	0.00			
		Drinking Water	2.	55	0	0.00	23	0	0.00	12	0	0.00	20	0	0.00			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	55	0	0.00	23	0	0.00	12	0	0.00	20	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	55	0	0.00	23	0	0.00	12	0	0.00	20	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	55	0	0.00	23	0	0.00	12	0	0.00	20	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	55	0	0.00	23	0	0.00	12	0	0.00	20	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	55	0	0.00	23	0	0.00	12	0	0.00	20	0	0.00			
		Drinking Water	2.	55	0	0.00	23	0	0.00	12	0	0.00	20	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00							1	0	0.00			
		Drinking Water	3.	1	0	0.00							1	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	56	0	0.00	23	0	0.00	12	0	0.00	21	0	0.00			
		Drinking Water	0.4	56	0	0.00	23	0	0.00	12	0	0.00	21	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	55	0	0.00	23	0	0.00	12	0	0.00	20	0	0.00			
		Drinking Water	0.2	55	0	0.00	23	0	0.00	12	0	0.00	20	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	55	0	0.00	23	0	0.00	12	0	0.00	20	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	54	0	0.00	22	0	0.00	12	0	0.00	20	0	0.00			
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Drinking Water	1.	0 &	0	0.00												
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	1	0	0.00	1	0	0.00									
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPL	Fresh Acute	90.	1	0	0.00	1	0	0.00									
39782	LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	55	0	0.00	23	0	0.00	12	0	0.00	20	0	0.00			
		Drinking Water	0.2	55	0	0.00	23	0	0.00	12	0	0.00	20	0	0.00			

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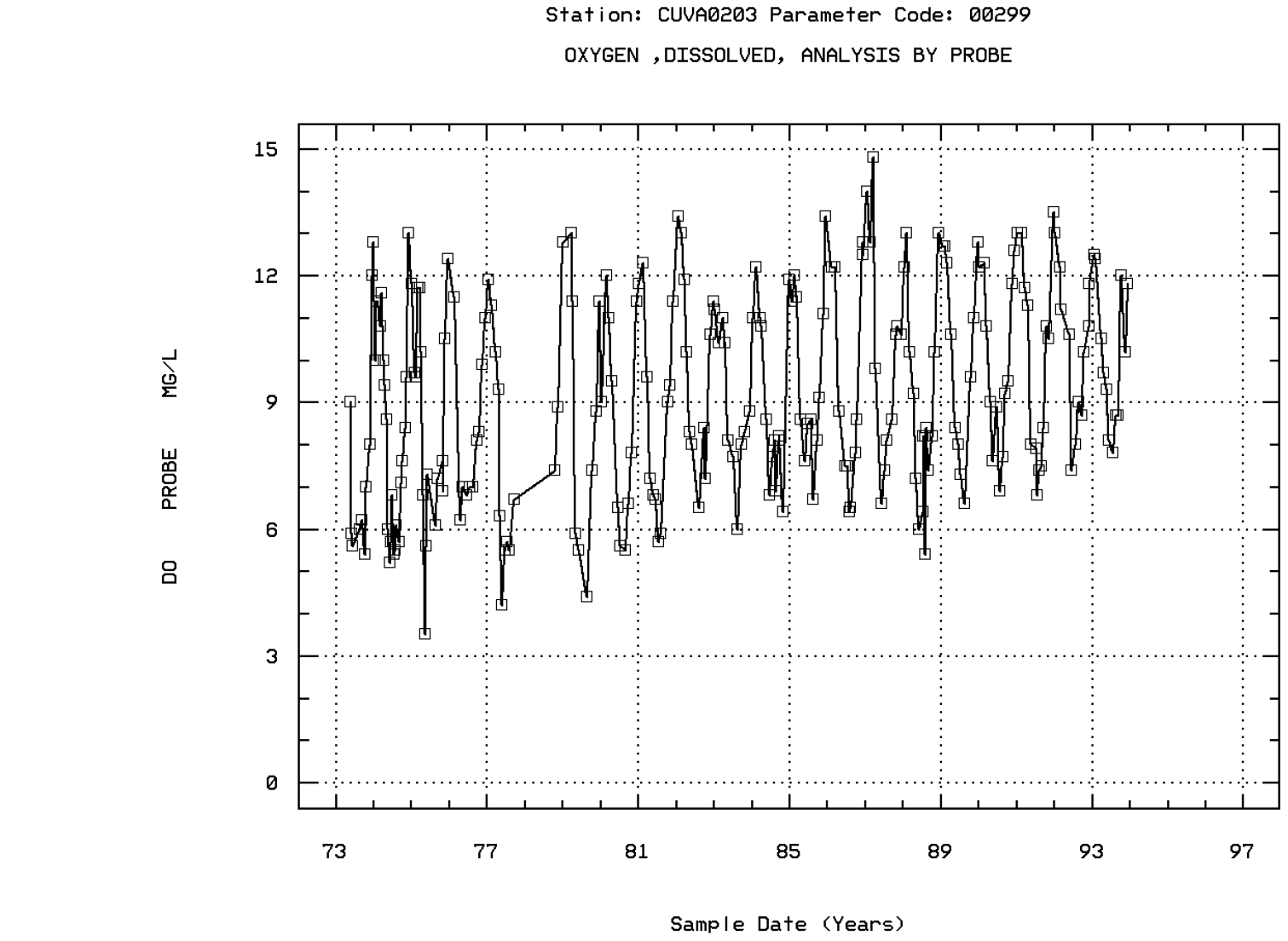
EPA Water Quality Criteria Analysis for Station: CUVA0203

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71900	MERCURY, TOTAL	Fresh Acute	2.4	57	1	0.02	20	0	0.00	13	0	0.00	24	1	0.04			
		Drinking Water	2.	57	1	0.02	20	0	0.00	13	0	0.00	24	1	0.04			
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	1	0	0.00	1	0	0.00									
77128	STYRENE, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00									
77651	1,2-DIBROMOETHANE, WHOLE WATER	Drinking Water	0.05	0 &	0	0.00												

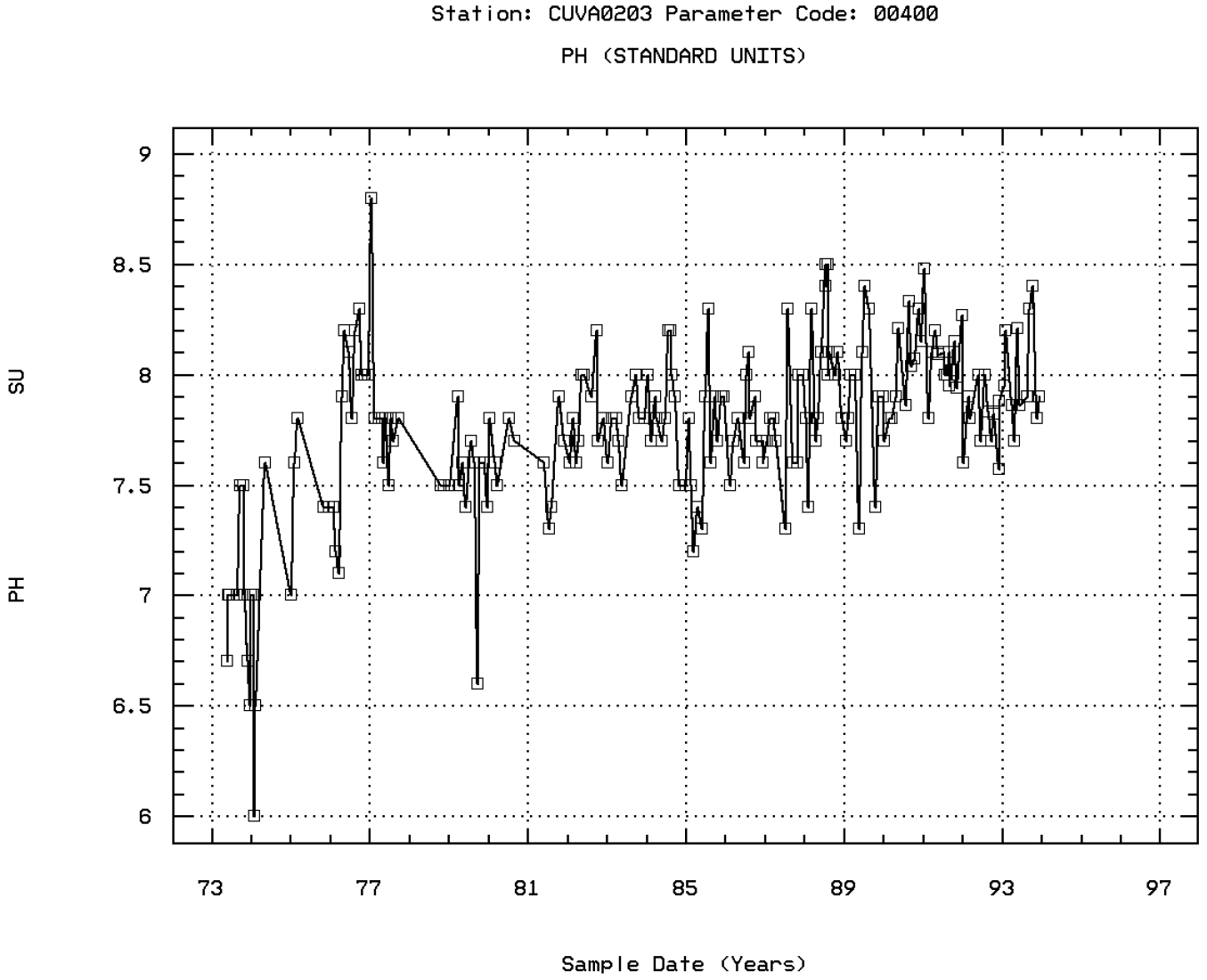
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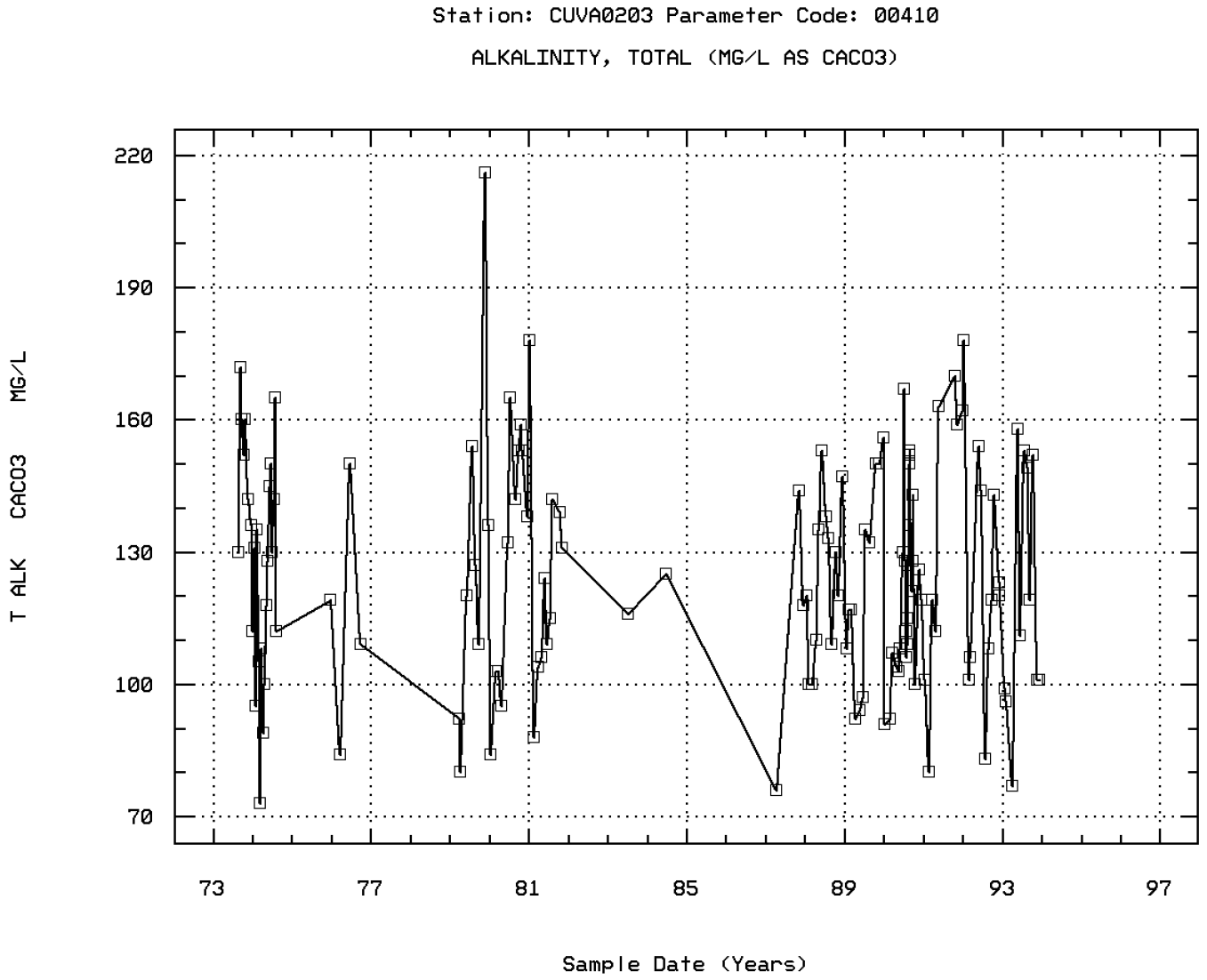
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



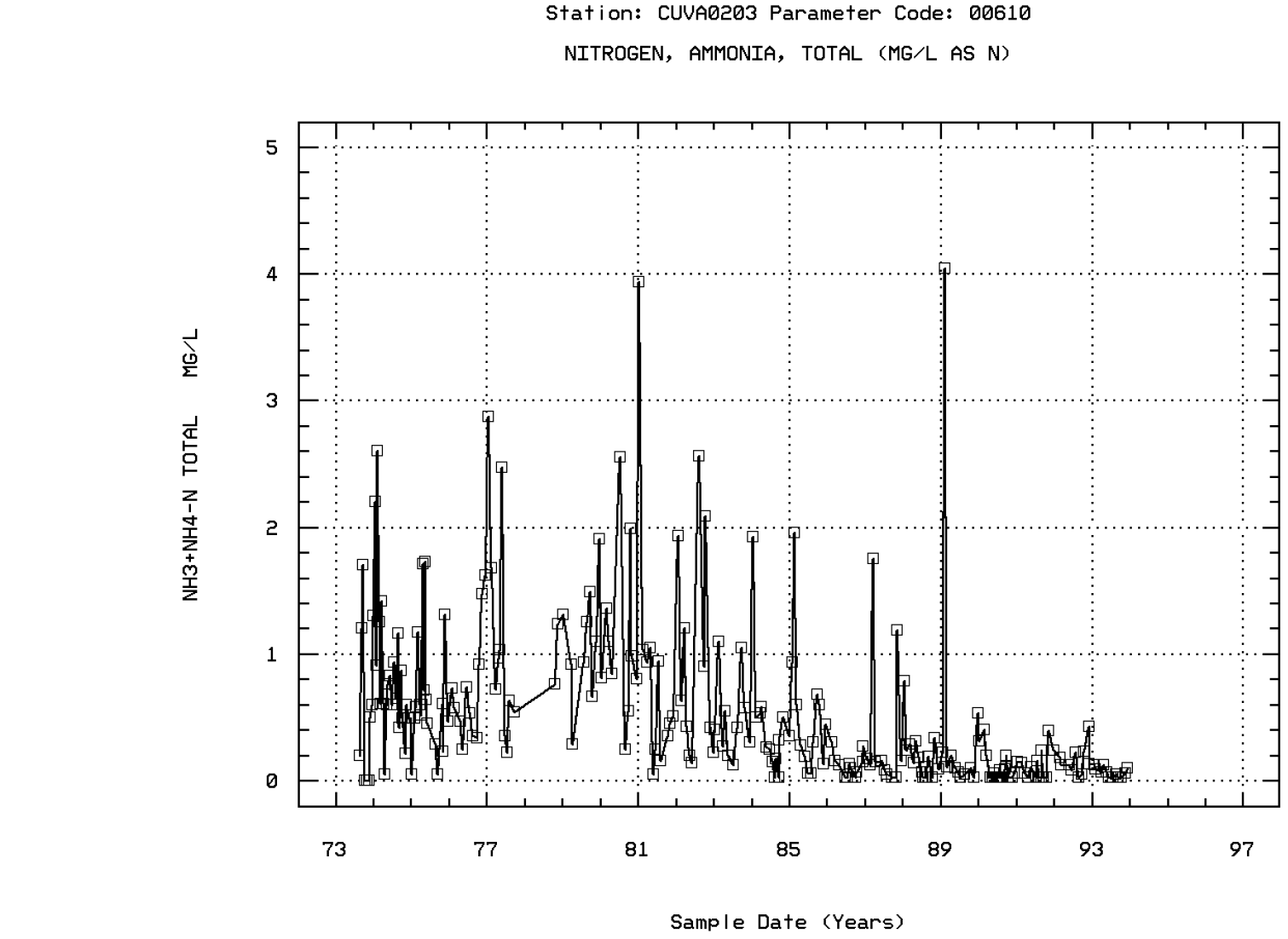
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



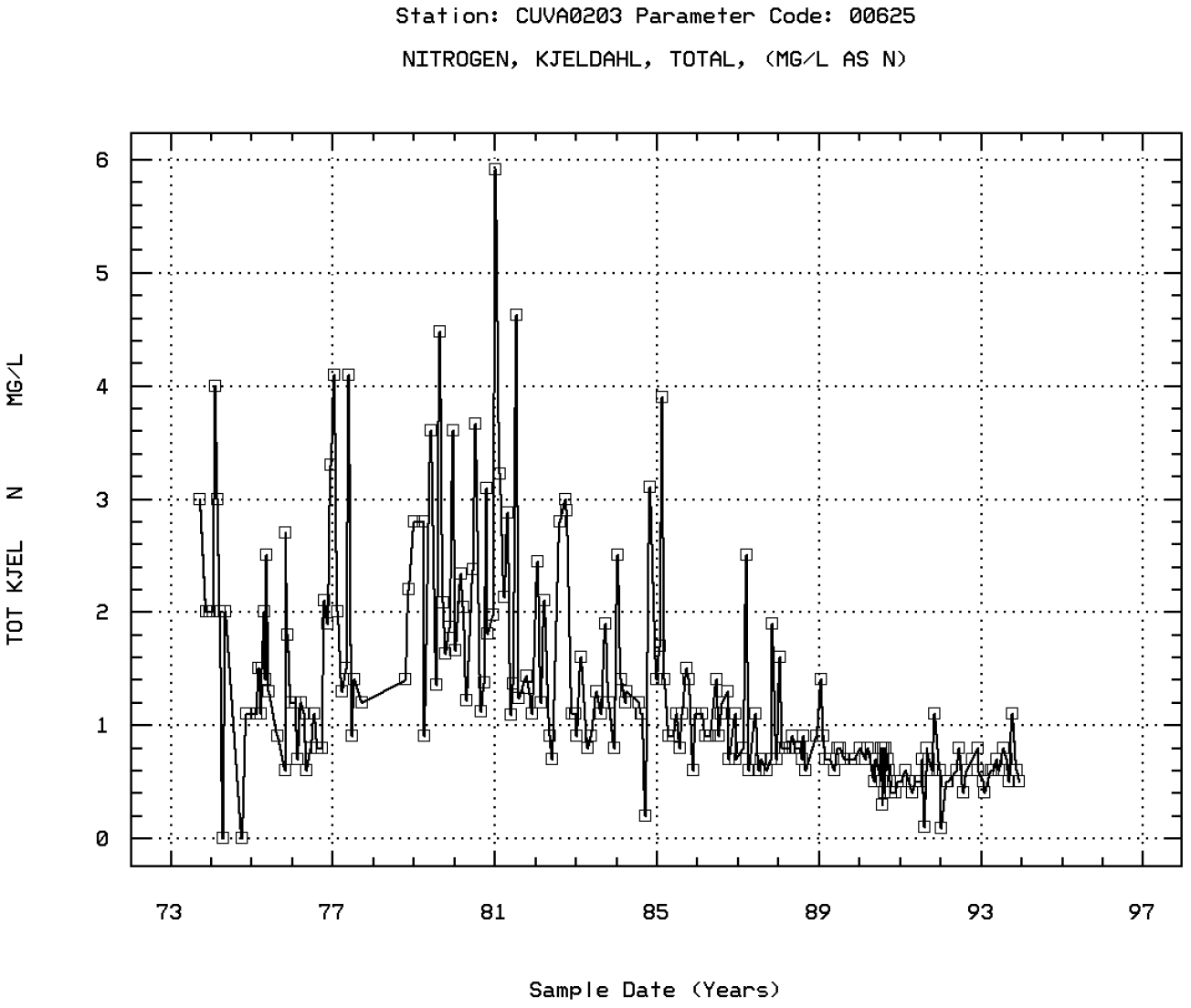
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



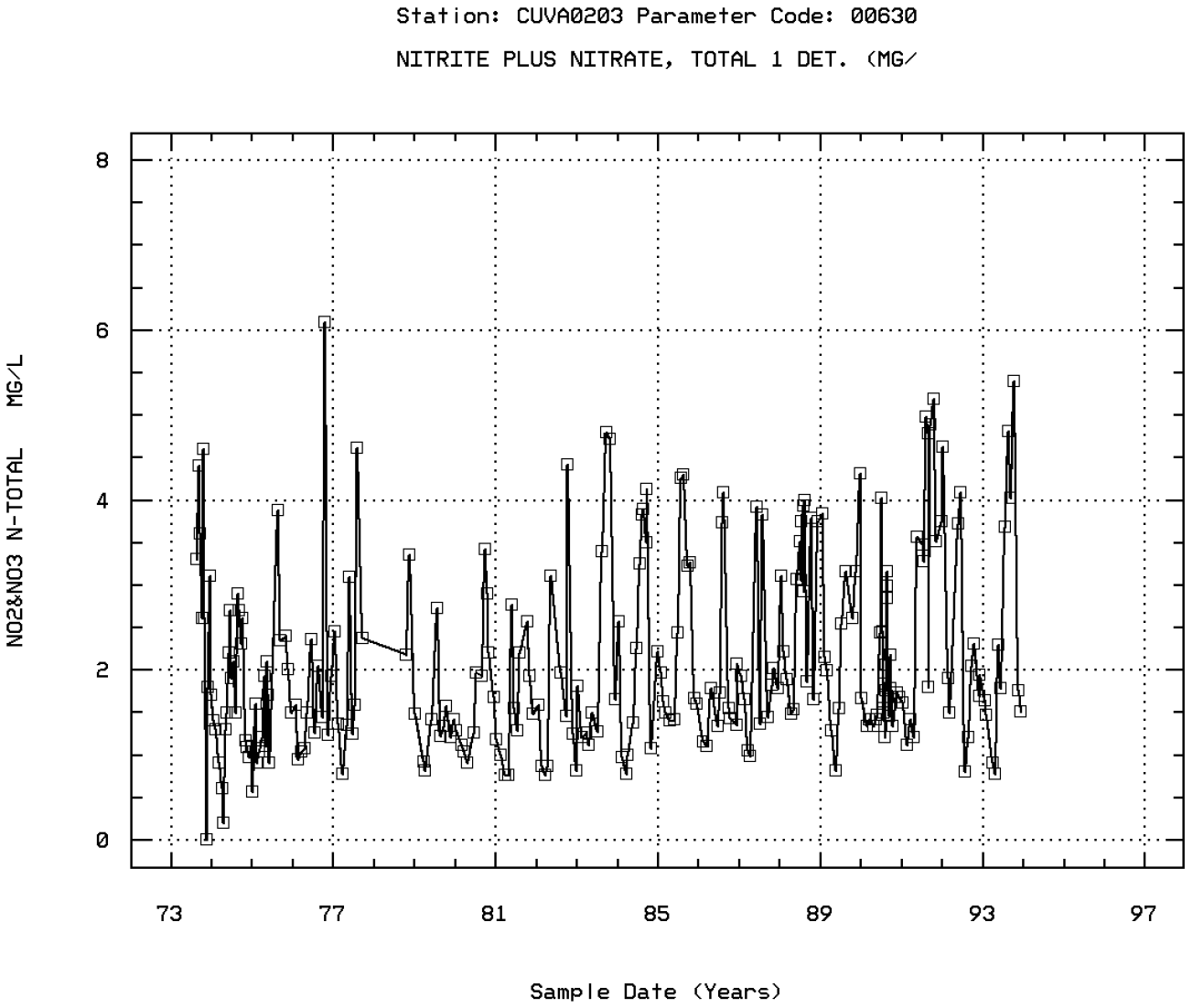
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



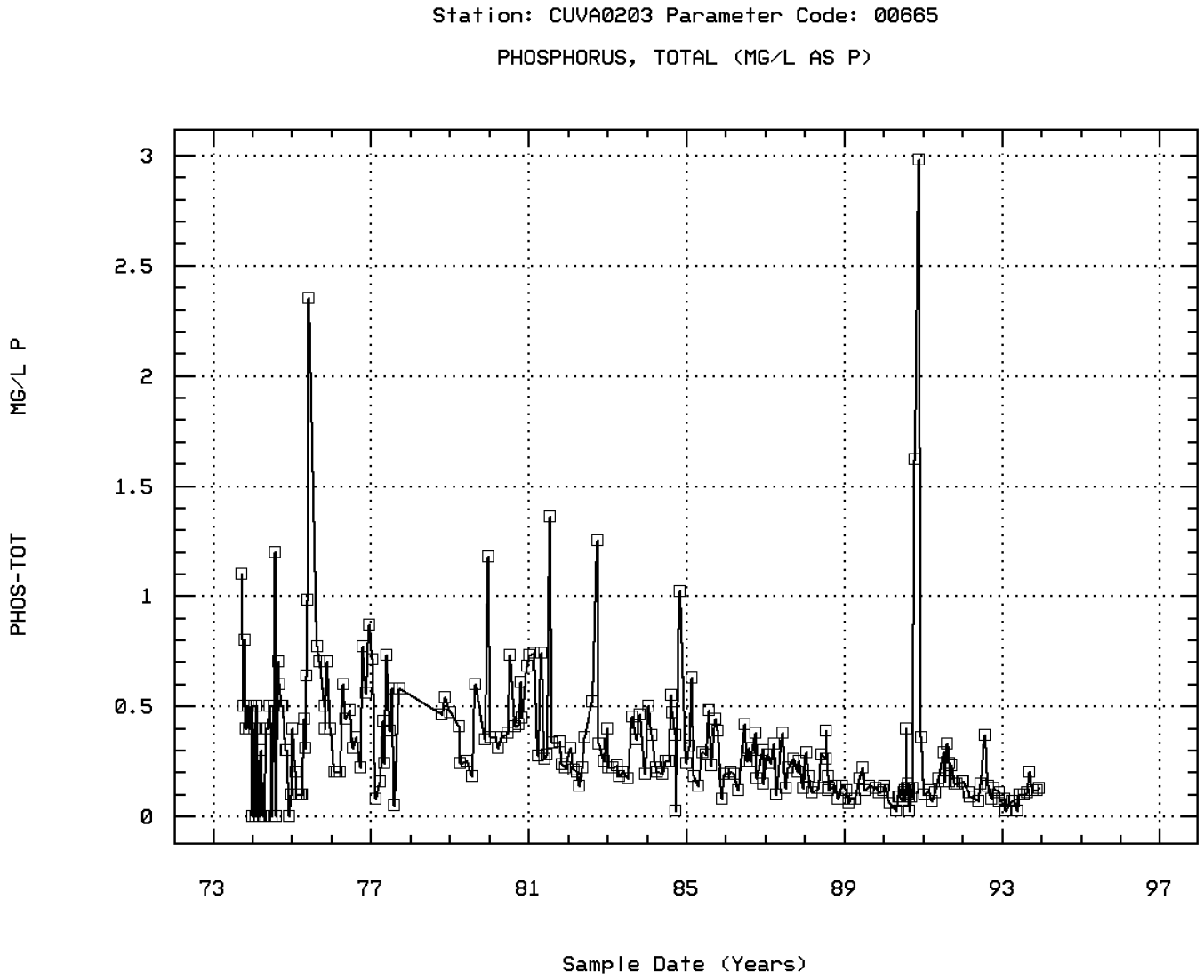
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



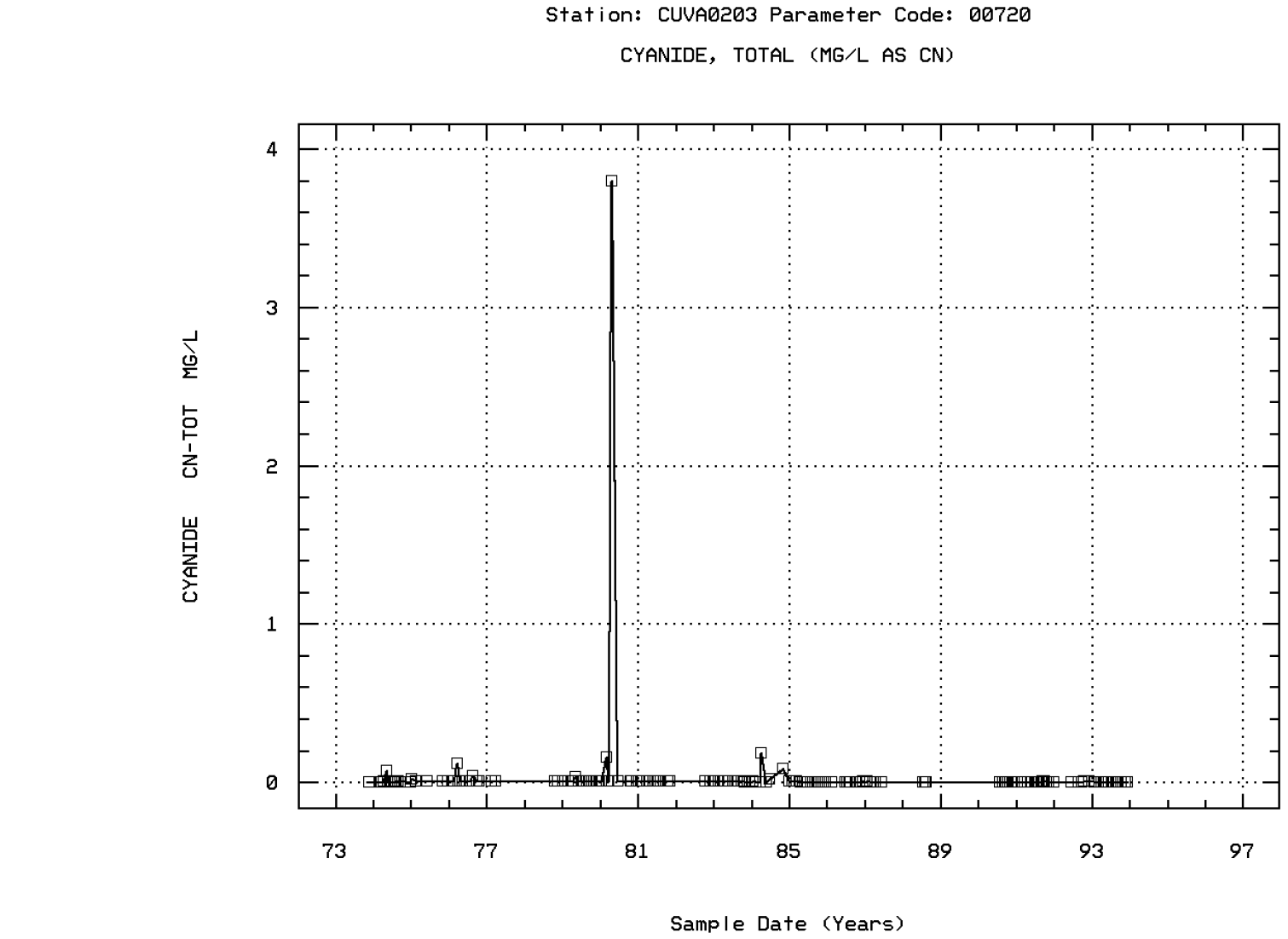
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



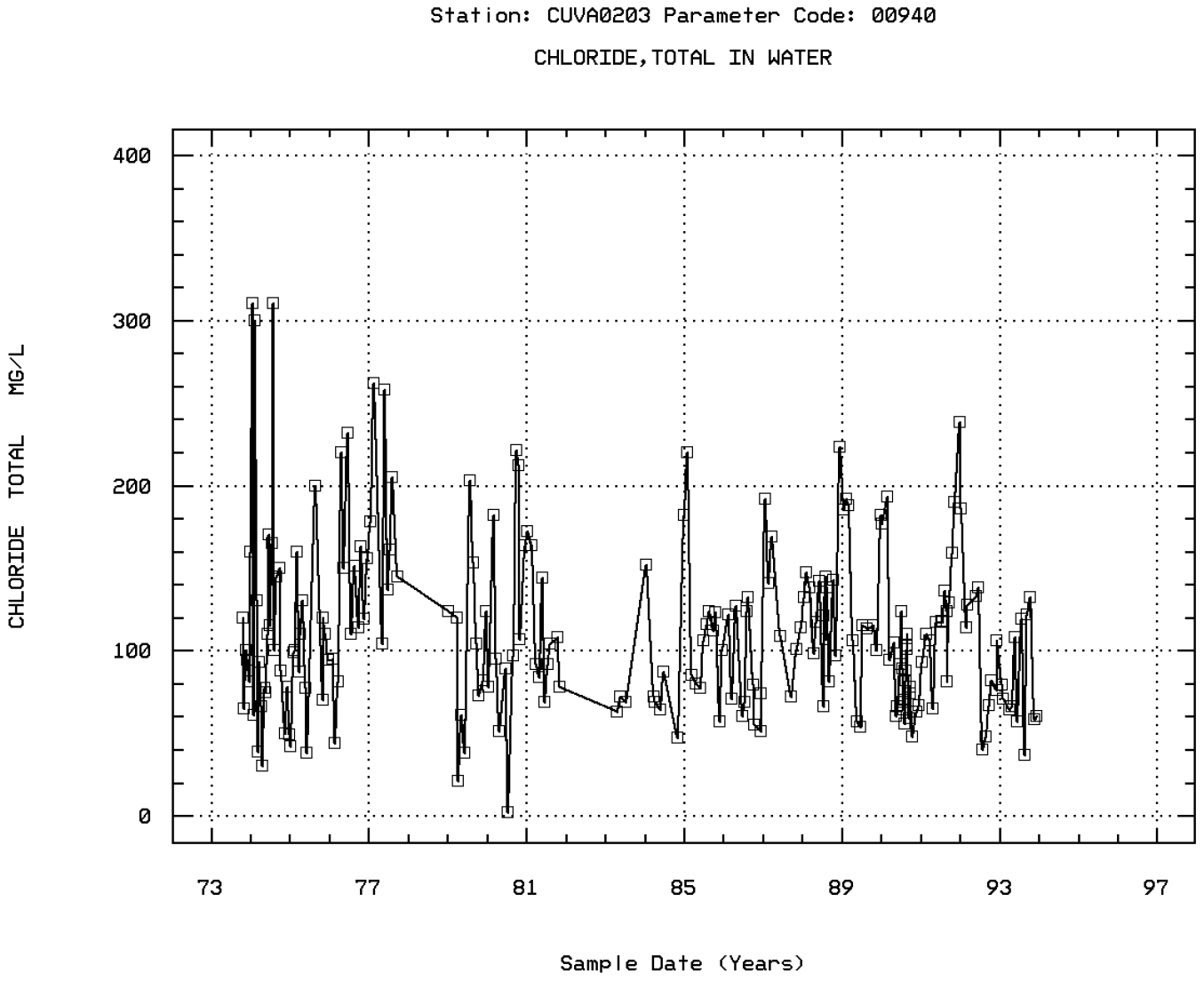
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



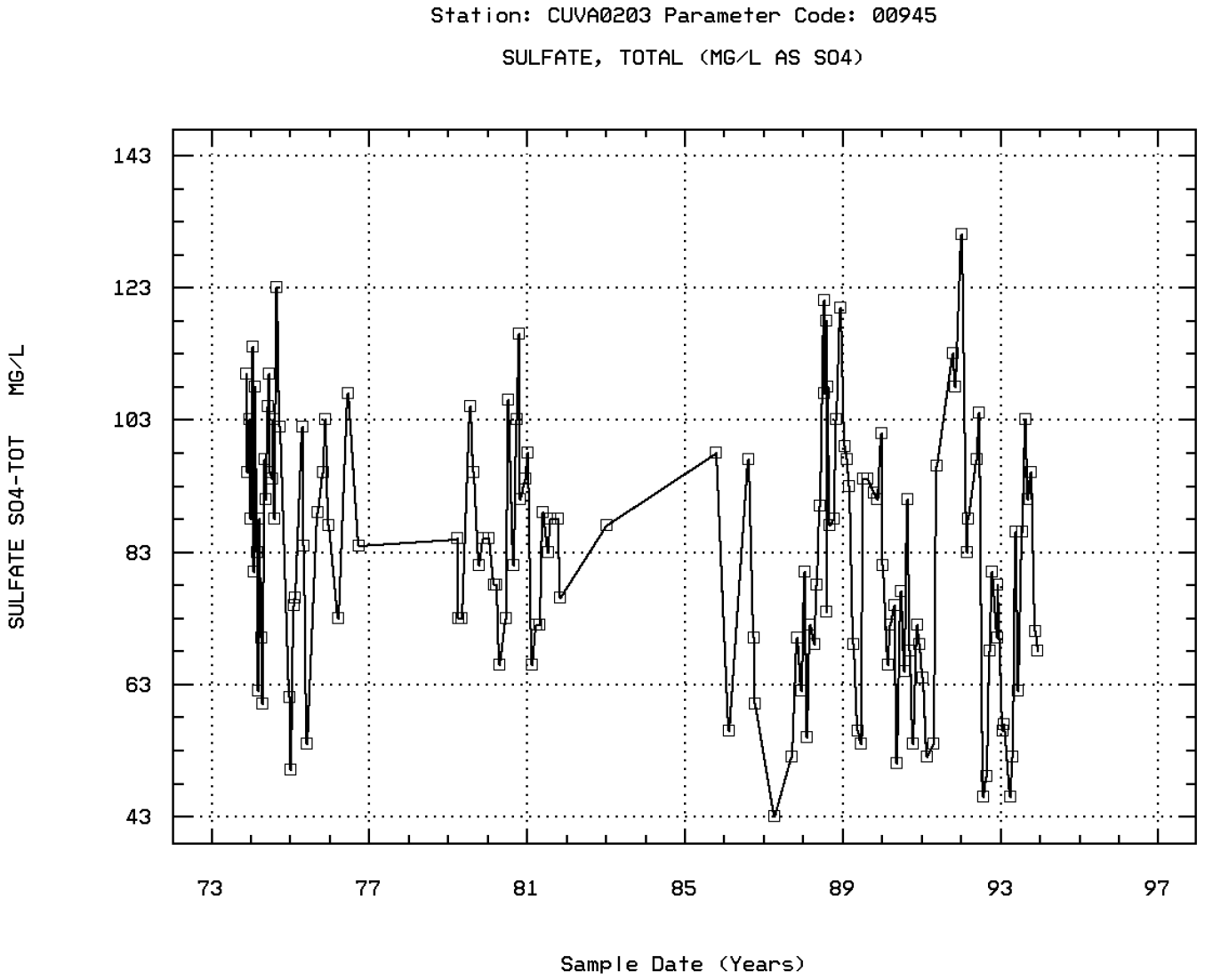
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



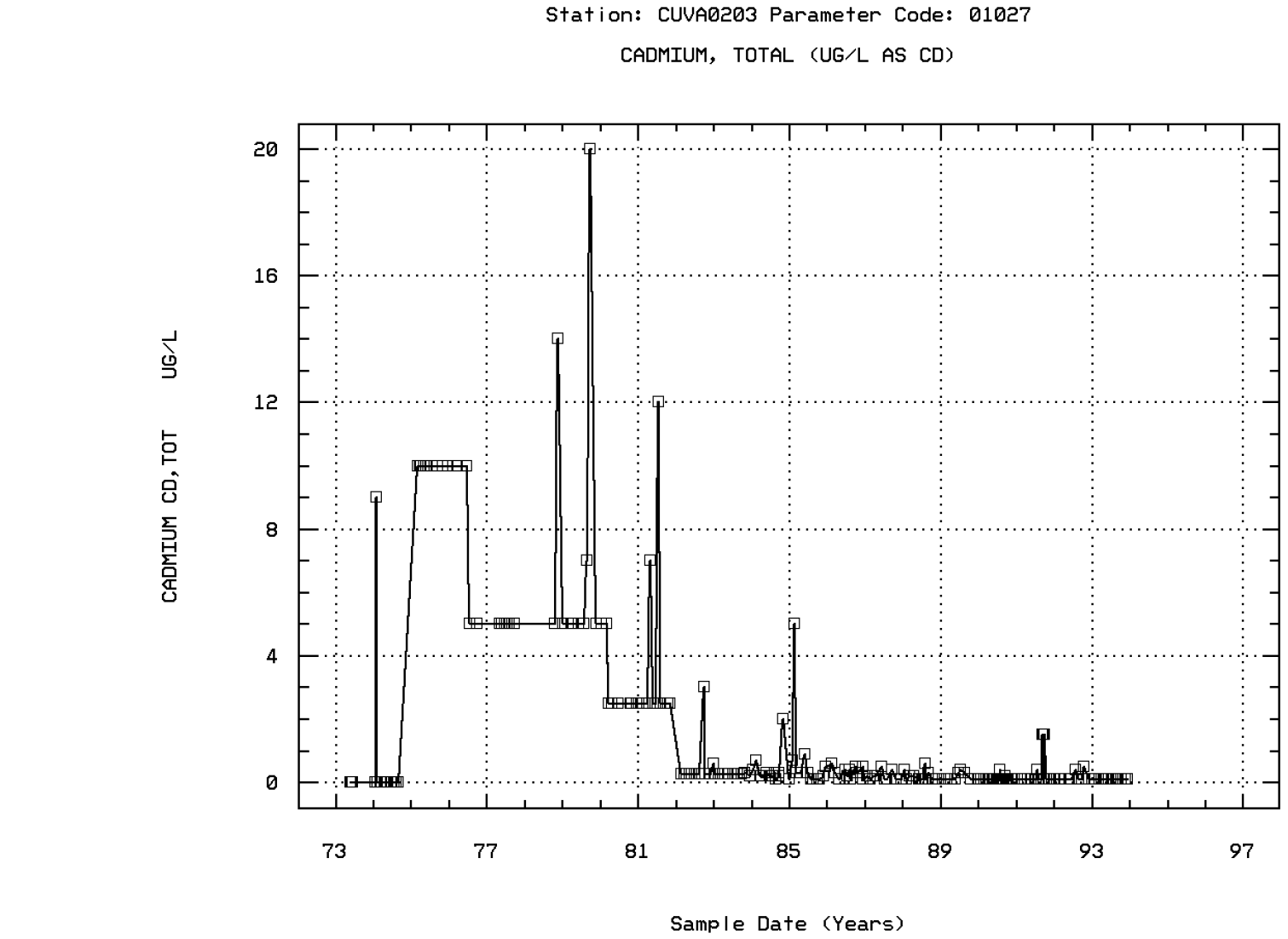
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



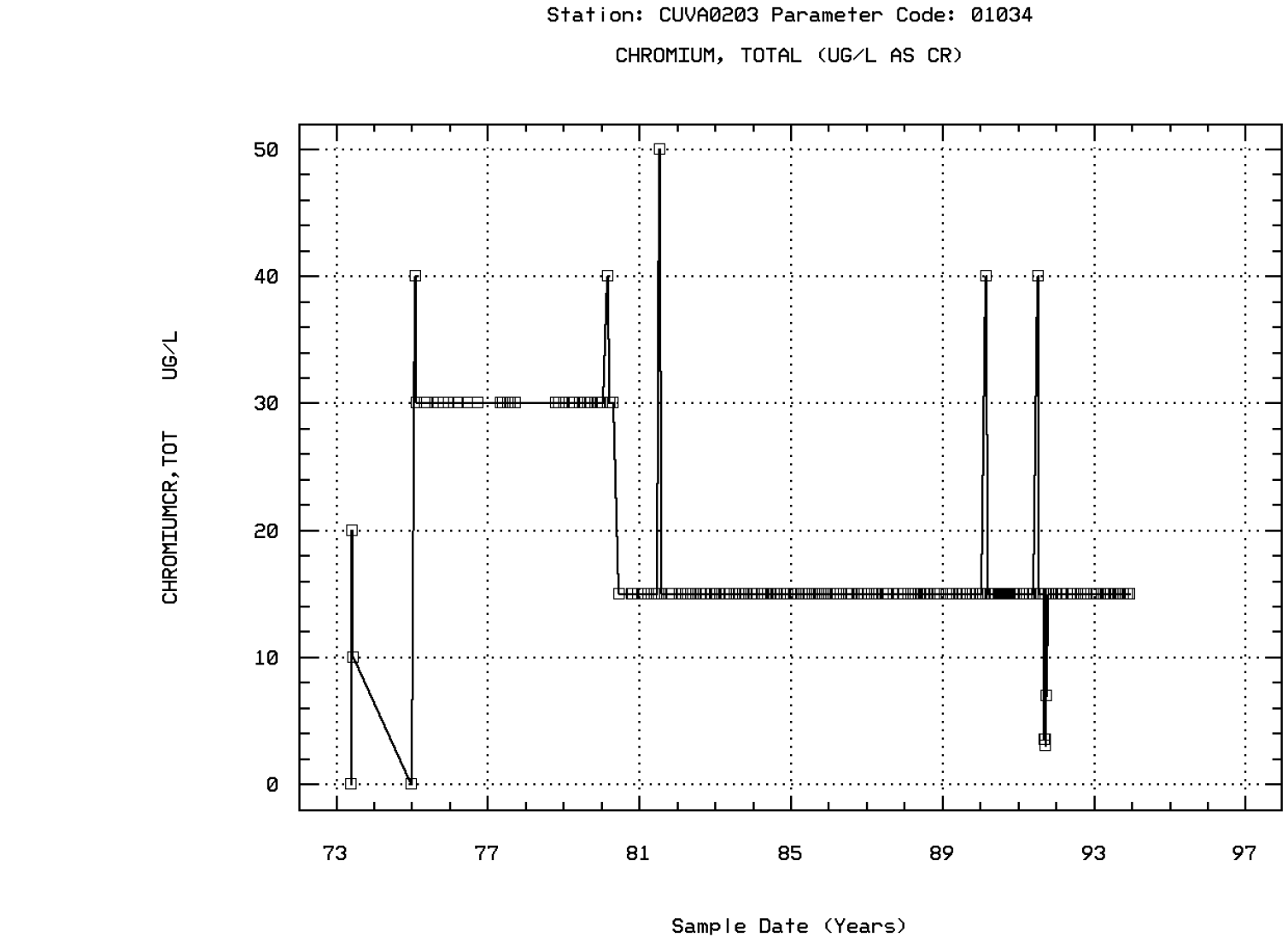
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



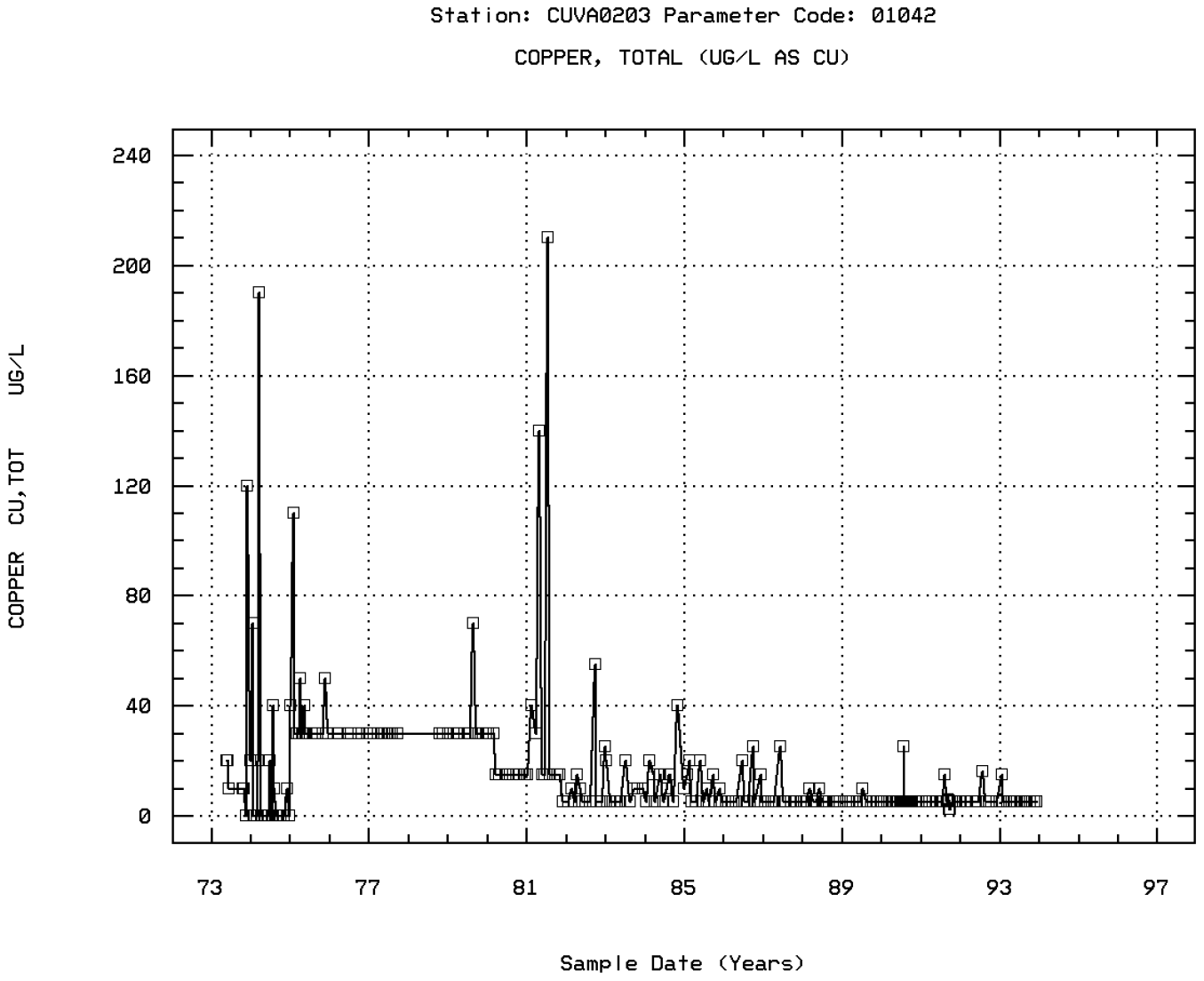
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



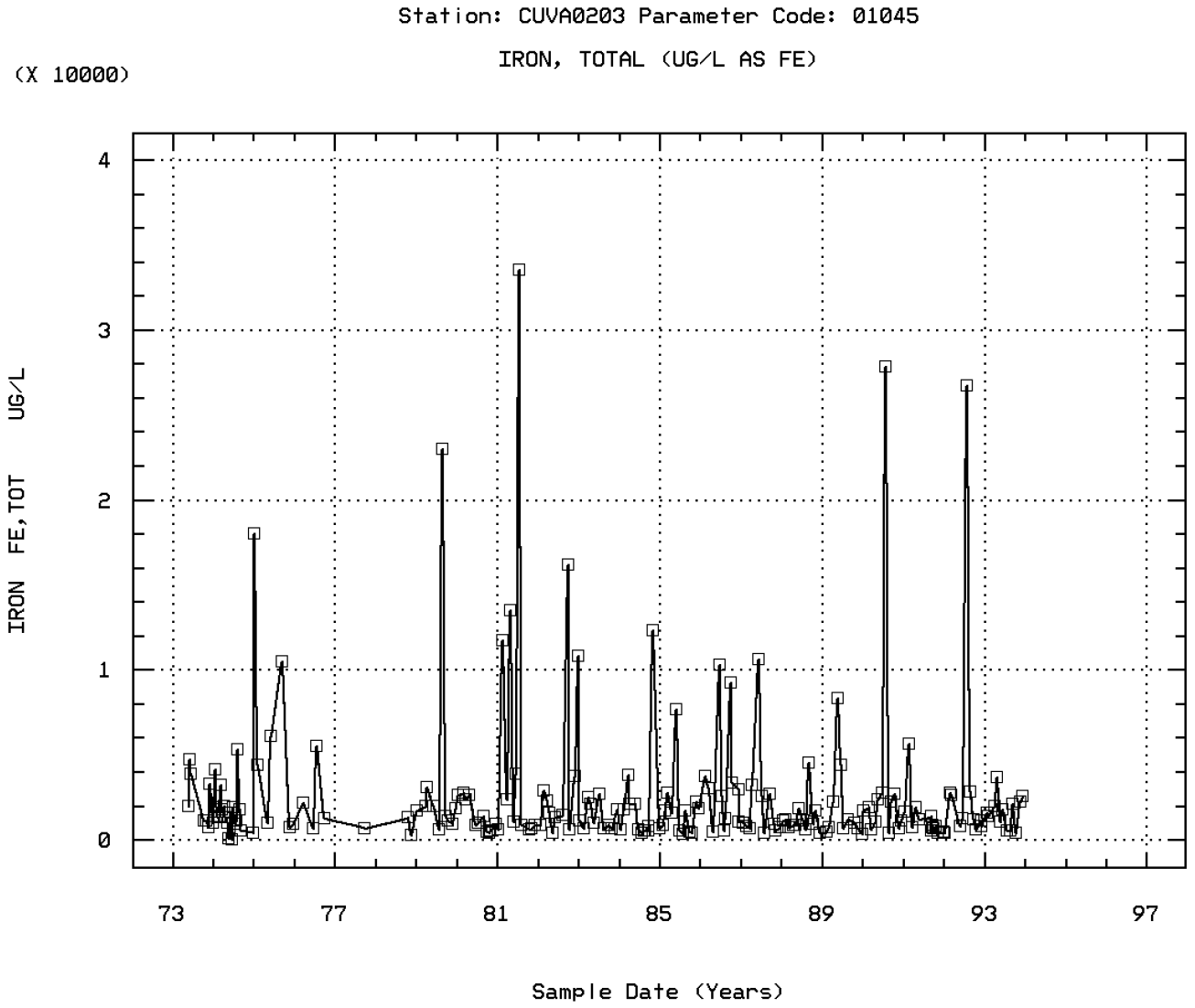
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



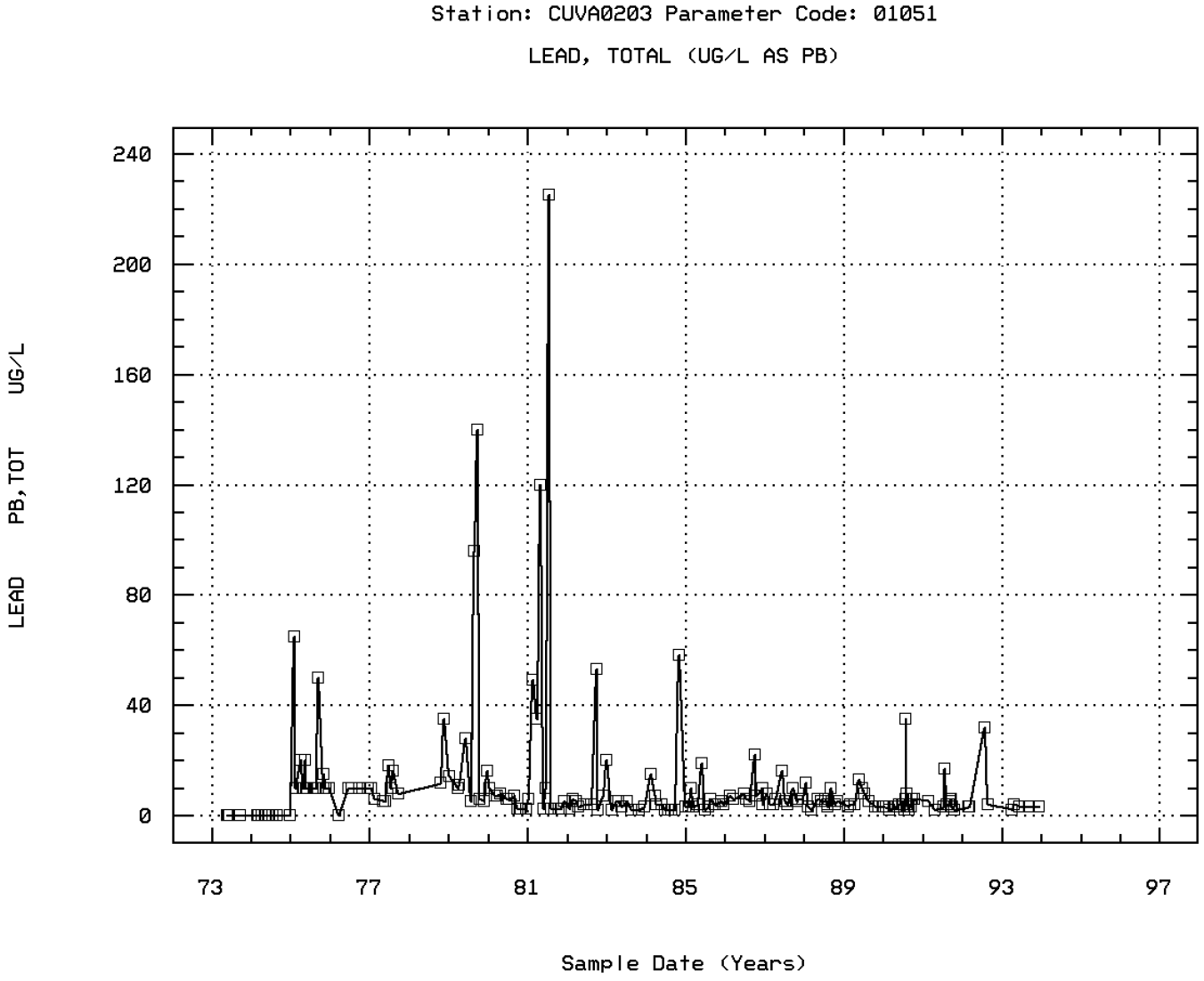
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



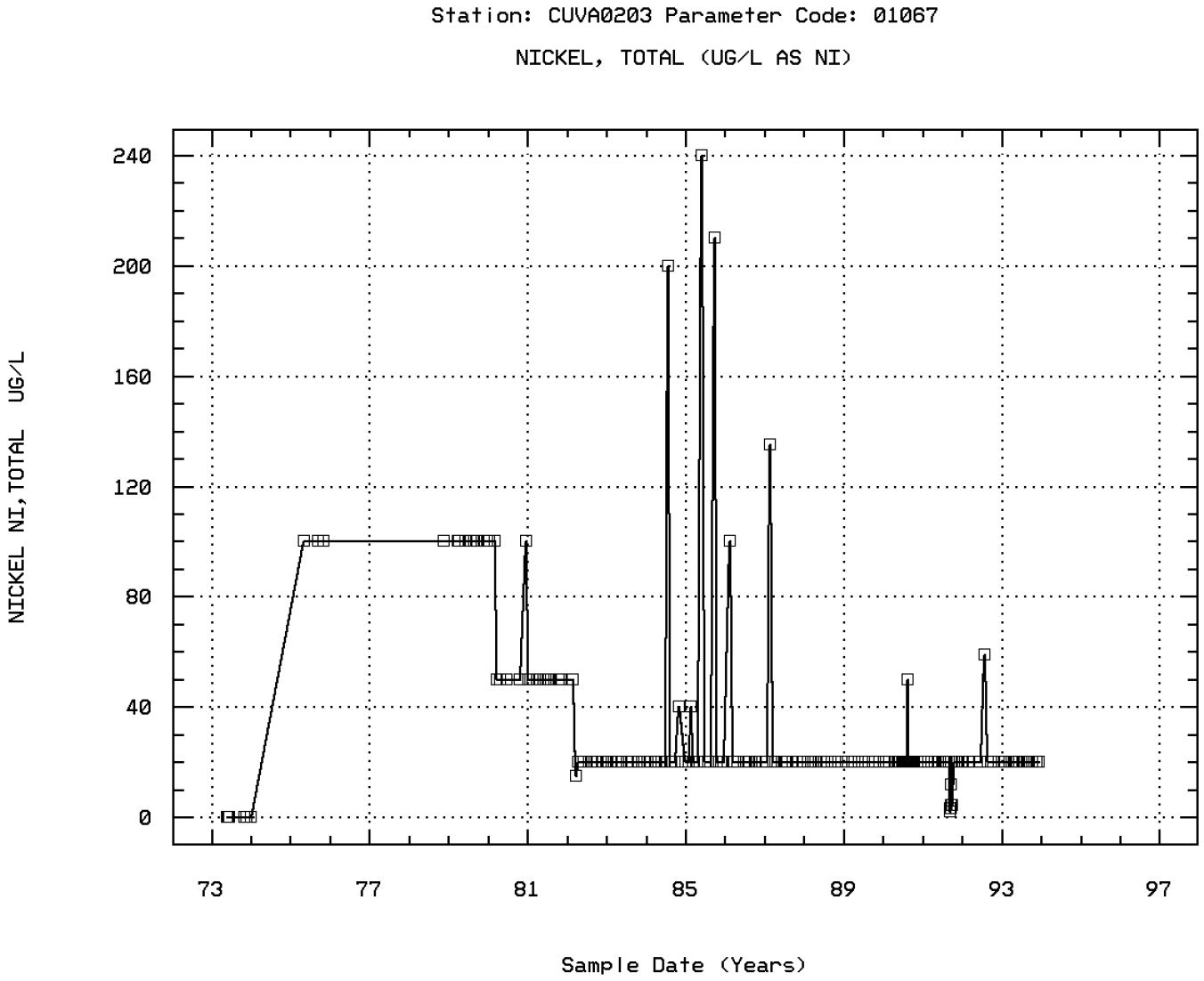
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



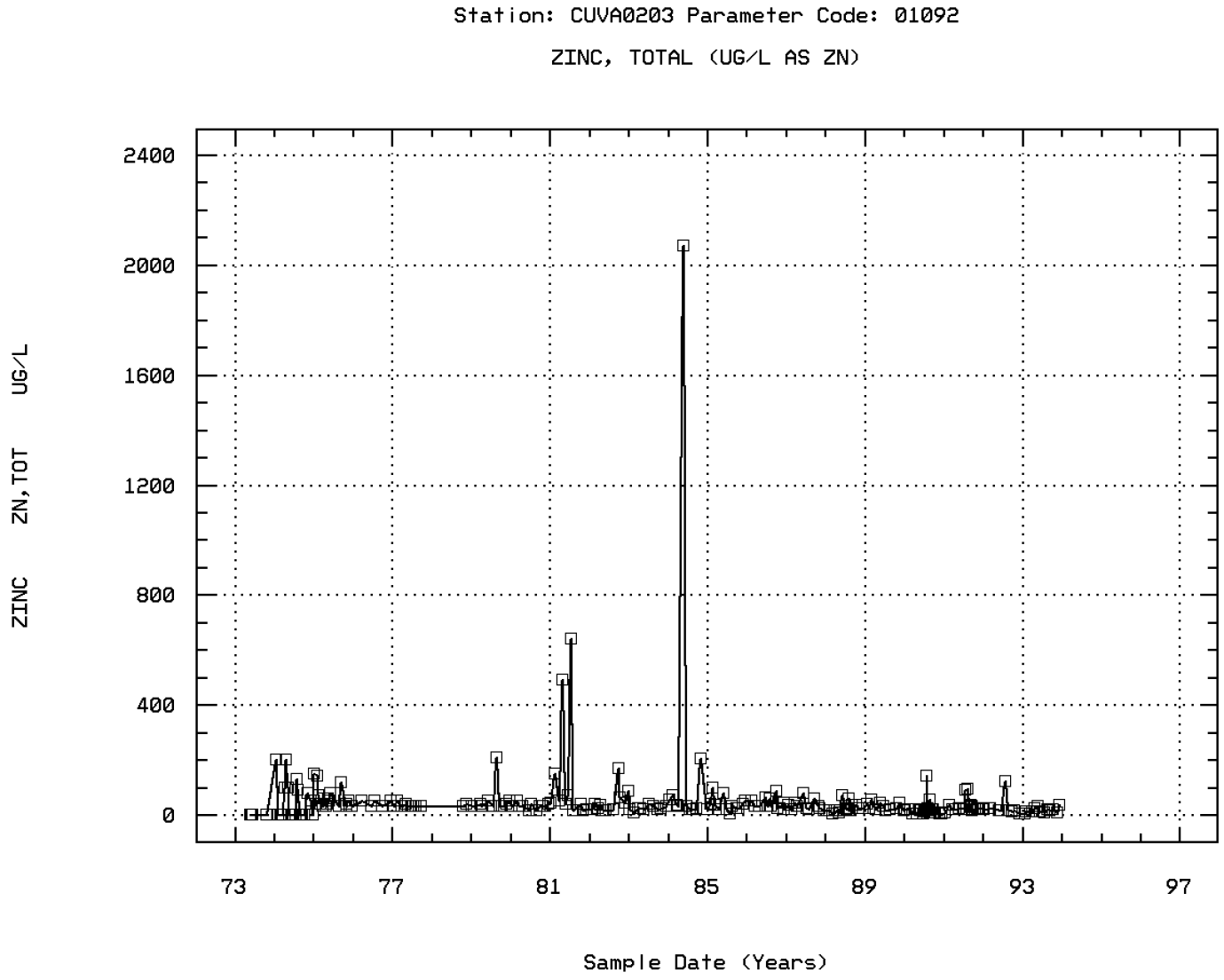
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



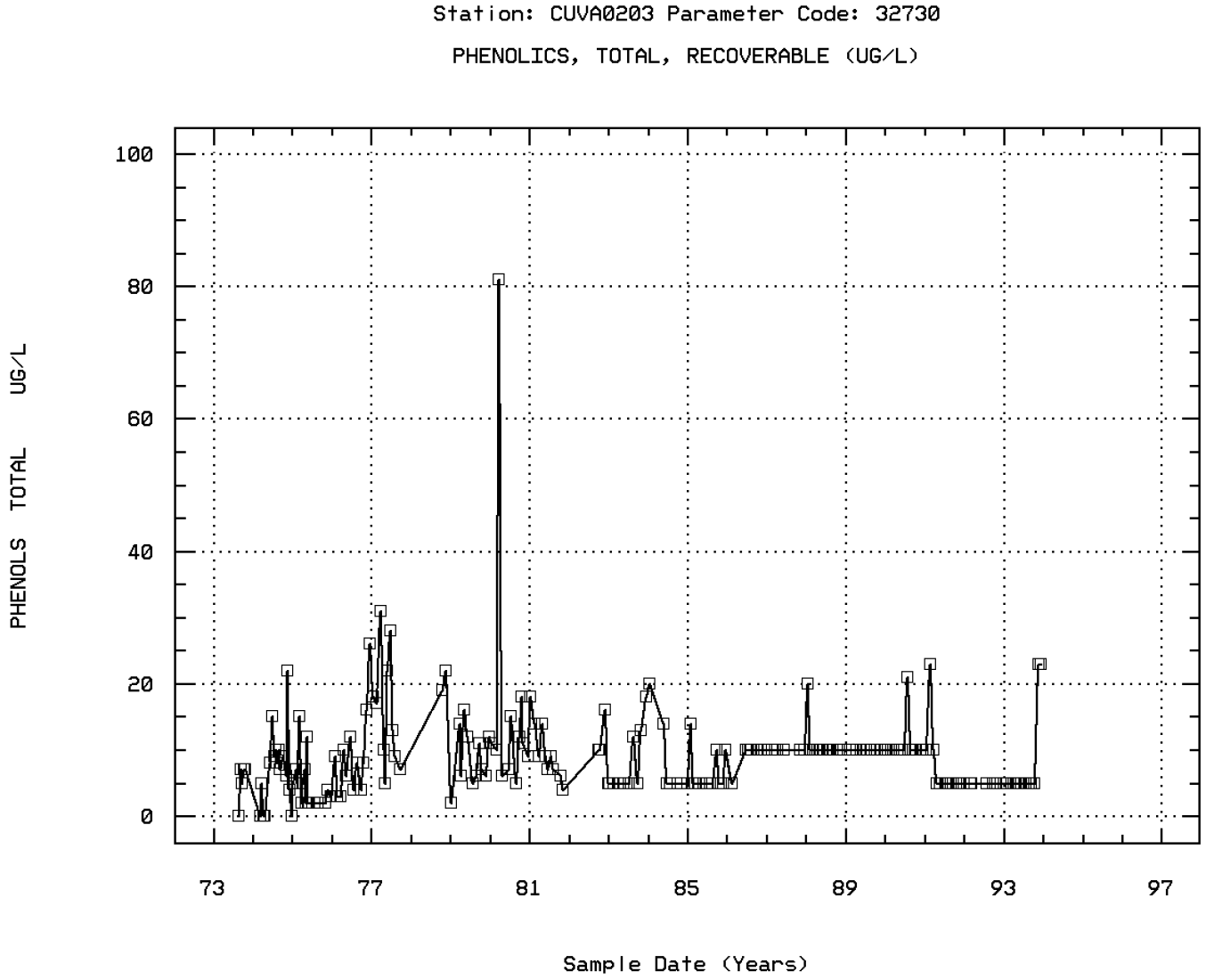
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS

Annual Analysis for 1970 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01501	ALPHA, TOTAL	03/25/70-09/29/77	7	0.	1.	7.	0.	7.	2.646	**	**	**	**
03501	BETA, TOTAL	03/25/70-09/29/77	7	17.	20.571	33.	8.	111.286	10.549	**	**	**	**

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

Annual Analysis for 1971 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01501	ALPHA, TOTAL	03/25/70-09/29/77	8	0.	1.	4.	0.	3.429	1.852	**	**	**	**
03501	BETA, TOTAL	03/25/70-09/29/77	8	22.5	23.625	32.	16.	24.554	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 1972 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01501	ALPHA, TOTAL	03/25/70-09/29/77	10	0.	0.9	6.	0.	4.1	2.025	0.	0.	0.75	5.7
03501	BETA, TOTAL	03/25/70-09/29/77	10	16.	17.4	29.	4.	69.378	8.329	4.4	11.	25.25	28.7

** - 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 1973 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	12	16.9	14.883	22.	2.	39.056	6.249	3.8	10.075	19.875	21.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	15	945.	1014.733	1961.	386.	265038.638	514.819	391.4	595.	1370.	1845.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/73-12/07/93	8	575.	563.125	900.	310.	34249.554	185.066	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	9	6.2	7.233	12.	5.4	4.61	2.147	5.4	5.75	8.5	12.
00310	BOD, 5 DAY, 20 DEG C MG/L	04/09/73-07/18/88	7	8.4	10.886	32.	4.7	90.228	9.499	**	**	**	**
00335p	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	04/09/73-12/07/93	9	7.	6.989	7.5	6.5	0.116	0.341	6.5	6.7	7.25	7.5
00400p	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	9	7.	6.883	7.5	6.5	0.129	0.359	6.5	6.7	7.25	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	9	0.1	0.131	0.316	0.032	0.008	0.092	0.032	0.066	0.2	0.316
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	05/07/73-12/07/93	7	152.	150.286	172.	130.	224.571	14.986	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	12/19/73-09/25/90	1	471.	471.	471.	471.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/21/73-02/28/80	9	498.	499.778	618.	400.	6035.944	77.691	400.	434.	578.5	618.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	8	0.35	0.525	1.7	0.	0.396	0.63	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	6	1.5	1.667	3.	1.	0.667	0.816	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	9	3.1	2.889	4.6	0.	1.954	1.398	0.	2.2	4.	4.6
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	8	0.5	0.65	1.1	0.4	0.077	0.278	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/07/73-09/25/90	11	14.5	14.727	28.	4.	53.718	7.329	4.5	8.5	21.	27.
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	5	94.	92.	120.	65.	425.5	20.628	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/19/73-12/07/93	3	103.	102.667	110.	95.	56.333	7.506	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	3	0.	0.	0.	0.	0.	0.	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	3	10.	10.	20.	0.	100.	10.	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	7	10.	27.143	120.	0.	1723.81	41.519	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	7	2000.	2400.	4700.	700.	2463333.333	1569.501	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	4	0.	0.	0.	0.	0.	0.	**	**	**	**
01067p	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	5	0.	0.	0.	0.	0.	0.	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	4	0.	0.	0.	0.	0.	0.	**	**	**	**
01501	ALPHA, TOTAL	03/25/70-09/29/77	15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
03501	BETA, TOTAL	03/25/70-09/29/77	15	0.	4.133	19.	0.	32.695	5.718	0.	0.	8.	14.2

** - 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 1973 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	8	4100.	10337.5	46000.	1100.	242765535.714	15580.935	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	8	3.582	3.639	4.663	3.041	0.355	0.596	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4352.665								
31679p	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/09/73-03/15/90	11	1900.	3995.455	24000.	300.	47311307.273	6878.322	330.	780.	2600.	20580.
31679p	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	04/09/73-03/15/90	11	3.279	3.252	4.38	2.477	0.287	0.536	2.512	2.892	3.415	4.272
31679p	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1787.903								
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	5	7.	5.2	7.	0.	9.2	3.033	**	**	**	**
38260p	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	04/09/73-11/09/81	11	0.27	0.319	0.81	0.13	0.048	0.219	0.13	0.15	0.44	0.768

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Annual Analysis for 1974 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	24	11.75	12.188	22.	1.5	61.612	7.849	2.	5.	21.	22.
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	25	970.	1156.24	3212.	226.	522977.607	723.172	620.	665.	1285.	2600.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/73-12/07/93	25	650.	645.76	1500.	232.	89007.023	298.34	280.	363.5	850.	950.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	22	8.5	8.55	13.	5.2	6.657	2.58	5.43	5.925	10.95	12.44
00310	BOD, 5 DAY, 20 DEG C MG/L	04/09/73-07/18/88	22	9.	14.091	61.	5.	193.61	13.914	5.3	7.75	15.25	40.1
00335p	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	24	27.	29.625	88.	12.	233.549	15.282	18.	20.25	32.	47.5
00400p	PH (STANDARD UNITS)	04/09/73-12/07/93	5	7.	6.82	7.6	6.	0.362	0.602	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	5	7.	6.511	7.6	6.	0.481	0.694	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	5	0.1	0.308	1.	0.025	0.161	0.402	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	05/07/73-12/07/93	17	118.	119.882	165.	73.	577.485	24.031	85.8	102.5	138.5	153.
00500	RESIDUE, TOTAL (MG/L)	12/19/73-09/25/90	22	537.5	556.864	972.	268.	32193.933	179.427	347.8	406.25	681.5	853.9
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/21/73-02/28/80	25	504.	497.04	945.	244.	32476.79	180.213	268.8	345.	637.5	785.6
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	23	0.65	0.872	2.6	0.05	0.347	0.589	0.294	0.49	1.16	1.888
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	1	0.51	0.51	0.51	0.51	0.	0.	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	21	1.	1.29	4.	0.	0.812	0.901	0.2	1.	1.55	2.8
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	24	1.35	1.547	2.9	0.2	0.526	0.725	0.75	1.	2.175	2.7
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	25	0.3	0.304	1.2	0.	0.09	0.299	0.	0.	0.5	0.64
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/07/73-09/25/90	21	9.	8.286	11.5	2.	6.439	2.538	4.8	6.5	10.5	11.4
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	13	0.	0.008	0.07	0.	0.	0.019	0.	0.	0.01	0.046
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	11	238.	218.545	280.	140.	1776.873	42.153	146.4	180.	250.	274.
00916p	CALCIUM, TOTAL (MG/L AS CA)	03/27/74-12/07/93	5	90.	73.94	103.	2.2	1745.368	41.778	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	03/27/74-12/07/93	8	16.5	16.5	20.	14.	3.143	1.773	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	23	100.	124.826	310.	30.	6851.332	82.773	43.	66.	160.	306.
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/19/73-12/07/93	20	92.5	91.1	123.	60.	319.989	17.888	61.1	80.75	104.5	113.6
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	13	0.	0.692	9.	0.	6.231	2.496	0.	0.	0.	5.4
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	23	0.	16.522	190.	0.	1714.625	41.408	0.	0.	20.	58.
01045p	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	20	1350.	1631.	5300.	0.	1685325.263	1298.201	130.	925.	1900.	4010.
01051p	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
01067p	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	21	0.	45.238	200.	0.	4546.19	67.425	0.	0.	95.	186.
01501	ALPHA, TOTAL	03/25/70-09/29/77	24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
03501	BETA, TOTAL	03/25/70-09/29/77	24	0.	0.375	9.	0.	3.375	1.837	0.	0.	0.	0.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	23	5700.	7431.913	34000.	1.	58361093.901	7639.443	739.8	2700.	10900.	16800.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	23	3.756	3.548	4.531	0.	0.771	0.878	2.863	3.431	4.037	4.224
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3530.847								
31679p	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/09/73-03/15/90	23	900.	3279.609	23000.	100.	32004464.431	5657.249	252.	400.	3100.	13680.
31679p	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	04/09/73-03/15/90	23	2.954	3.08	4.362	2.	0.37	0.608	2.388	2.602	3.491	4.133
31679p	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1203.459								
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	16	7.5	7.063	22.	0.	35.129	5.927	0.	1.	9.75	17.1
38260p	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	04/09/73-11/09/81	17	0.18	0.231	0.5	0.06	0.016	0.127	0.084	0.13	0.33	0.436

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

Annual Analysis for 1975 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	17	13.	10.953	22.	2.2	53.378	7.306	2.44	3.5	17.6	20.56
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	17	890.	1473.059	6330.	261.	2007627.684	1416.908	486.6	722.5	1815.	3456.4
00065	STAGE, STREAM (FEET)	03/27/75-12/07/93	2	4.31	4.31	4.9	3.72	0.696	0.834	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	1	686.	686.	686.	686.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/73-12/07/93	12	490.	563.75	1080.	220.	54759.659	234.008	269.5	407.5	722.5	1011.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	16	8.6	8.663	12.4	3.5	6.951	2.636	4.97	6.825	11.4	11.98
00310	BOD, 5 DAY, 20 DEG C MG/L	04/09/73-07/18/88	13	7.	14.769	80.	4.	429.526	20.725	4.	5.	15.	58.8
00335p	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	9	24.	35.667	120.	12.	1130.	33.615	12.	20.	40.5	120.
00400p	PH (STANDARD UNITS)	04/09/73-12/07/93	5	7.4	7.44	7.8	7.	0.088	0.297	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	5	7.4	7.355	7.8	7.	0.097	0.311	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	5	0.04	0.044	0.1	0.016	0.001	0.033	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	05/07/73-12/07/93	1	119.	119.	119.	119.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	12/19/73-09/25/90	16	516.	528.75	772.	403.	11524.733	107.353	403.7	429.	562.25	716.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/21/73-02/28/80	6	377.5	357.	490.	224.	8770.4	93.65	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	13	39.	72.923	284.	10.	7165.41	84.649	10.	16.	121.	240.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	17	0.58	0.683	1.73	0.05	0.258	0.508	0.05	0.37	0.94	1.714
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	3	0.21	0.18	0.22	0.11	0.004	0.061	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	14	1.35	1.471	2.7	0.6	0.358	0.598	0.75	1.075	1.85	2.6
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	16	1.55	1.634	3.88	0.56	0.67	0.818	0.798	1.01	2.075	2.844
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	17	0.4	0.541	2.35	0.1	0.287	0.536	0.1	0.15	0.7	1.254
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/07/73-09/25/90	8	10.5	12.563	24.5	5.	56.031	7.485	**	**	**	**
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	5	0.01	0.012	0.02	0.01	0.	0.004	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	17	206.	202.353	264.	122.	1817.618	42.634	139.6	166.	242.	256.
00916p	CALCIUM, TOTAL (MG/L AS CA)	03/27/74-12/07/93	1	66.	66.	66.	66.	0.	0.	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	03/27/74-12/07/93	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	14	99.5	102.643	200.	38.	1834.247	42.828	40.	75.25	122.5	180.
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/19/73-12/07/93	10	85.5	81.5	103.	50.	330.944	18.192	50.4	69.75	96.75	102.9
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	8	10.	10.	10.	10.	0.	0.	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	7	30.	31.429	40.	30.	14.286	3.78	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	17	30.	38.235	110.	30.	390.441	19.76	30.	30.	40.	62.
01045p	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	7	4400.	5938.571	18000.	730.	40995747.619	6402.792	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	14	10.	18.571	65.	10.	293.956	17.145	10.	10.	20.	57.5
01067p	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	3	100.	100.	100.	100.	0.	0.	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	17	50.	61.765	150.	30.	1527.941	39.089	30.	30.	75.	142.
01501	ALPHA, TOTAL	03/25/70-09/29/77	3	0.	0.	0.	0.	0.	0.	**	**	**	**
03501	BETA, TOTAL	03/25/70-09/29/77	3	0.	3.667	11.	0.	40.333	6.351	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	11	2000.	8349.364	29000.	43.	103591444.455	10177.988	102.4	400.	17000.	27200.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	11	3.301	3.349	4.462	1.633	0.841	0.917	1.813	2.602	4.23	4.43
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2231.62								
31679p	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/09/73-03/15/90	11	340.	4500.909	15000.	71.	40271561.291	6345.988	92.8	209.	13700.	14800.
31679p	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	04/09/73-03/15/90	11	2.531	2.995	4.176	1.851	0.783	0.885	1.932	2.32	4.137	4.17
31679p	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			988.319								
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	16	3.5	4.813	15.	2.	14.963	3.868	2.	2.	6.5	12.9
38260p	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	04/09/73-11/09/81	12	0.195	0.227	0.48	0.11	0.013	0.113	0.113	0.143	0.295	0.453

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Annual Analysis for 1976 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	12	12.85	12.308	23.3	2.4	54.439	7.378	2.46	4.95	19.65	22.73
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	12	640.	1044.333	2847.	293.	690269.152	830.824	294.5	385.	1742.	2602.5
00065	STAGE, STREAM (FEET)	03/27/75-12/07/93	5	3.16	3.134	4.05	2.43	0.394	0.627	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	11	595.	662.909	1200.	254.	104382.491	323.083	270.	375.	942.	1184.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/73-12/07/93	1	360.	360.	360.	360.	0.	0.	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	10	7.55	8.28	11.5	6.2	3.54	1.881	6.26	6.95	10.175	11.45
00310	BOD, 5 DAY, 20 DEG C MG/L	04/09/73-07/18/88	10	2.9	4.93	13.6	1.3	15.145	3.892	1.4	2.45	7.7	13.13

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Annual Analysis for 1976 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00335p	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	11	16.	18.082	40.	4.	102.194	10.109	5.2	12.	20.	38.4
00400p	PH (STANDARD UNITS)	04/09/73-12/07/93	12	8.	7.85	8.3	7.1	0.161	0.401	7.13	7.5	8.175	8.27
00400p	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	12	8.	7.654	8.3	7.1	0.203	0.45	7.13	7.5	8.175	8.27
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	12	0.01	0.022	0.079	0.005	0.001	0.025	0.005	0.007	0.034	0.075
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	05/07/73-12/07/93	3	109.	114.333	150.	84.	1110.333	33.322	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	12/19/73-09/25/90	10	539.	563.	920.	366.	28589.556	169.084	369.2	417.5	657.5	899.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/21/73-02/28/80	12	483.	481.5	684.	238.	19808.091	140.741	262.	342.	614.5	668.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	12	17.	67.5	272.	10.	7462.091	86.383	10.	10.	135.25	241.7
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	11	0.57	0.726	1.62	0.25	0.204	0.451	0.268	0.35	0.92	1.59
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	11	0.18	0.226	0.64	0.05	0.029	0.171	0.054	0.1	0.35	0.584
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	12	1.1	1.3	3.3	0.6	0.609	0.78	0.63	0.8	1.725	2.94
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	12	1.47	1.873	6.09	0.95	1.949	1.396	0.977	1.11	2.01	4.971
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	12	0.4	0.434	0.87	0.2	0.053	0.23	0.2	0.205	0.59	0.84
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/07/73-09/25/90	12	6.5	7.675	16.	0.1	26.286	5.127	0.67	4.	11.75	15.7
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	10	0.01	0.024	0.12	0.01	0.001	0.035	0.01	0.01	0.018	0.112
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	4	218.	218.25	258.	179.	1562.917	39.534	**	**	**	**
00916p	CALCIUM, TOTAL (MG/L AS CA)	03/27/74-12/07/93	3	56.	58.667	69.	51.	86.333	9.292	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	03/27/74-12/07/93	3	14.	14.333	18.	11.	12.333	3.512	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	12	134.5	136.25	232.	44.	2949.114	54.306	55.1	98.75	161.25	228.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/19/73-12/07/93	3	84.	88.	107.	73.	301.	17.349	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	4	7.5	7.5	10.	5.	8.333	2.887	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	3	30.	30.	30.	30.	0.	0.	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	5	30.	30.	30.	30.	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	4	1705.	2405.	5520.	690.	4698300.	2167.556	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	5	10.	8.	10.	0.	20.	4.472	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	5	50.	42.	50.	30.	120.	10.954	**	**	**	**
01501	ALPHA, TOTAL	03/25/70-09/29/77	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
03501	BETA, TOTAL	03/25/70-09/29/77	11	7.	6.182	22.	0.	49.564	7.04	0.	0.	10.	19.8
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	10	7650.	11129.	42000.	790.	158163076.667	12576.29	861.	2175.	15250.	40000.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	10	3.882	3.793	4.623	2.898	0.282	0.531	2.925	3.329	4.171	4.595
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6210.391								
31679p	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/09/73-03/15/90	11	2100.	2600.273	11000.	93.	8908714.818	2984.747	116.4	500.	3000.	9440.
31679p	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	04/09/73-03/15/90	11	3.322	3.147	4.041	1.968	0.348	0.59	2.039	2.699	3.477	3.934
31679p	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1404.154								
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	12	8.	9.083	26.	3.	43.72	6.612	3.	4.	11.5	23.
38260p	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	04/09/73-11/09/81	12	0.185	0.191	0.28	0.08	0.004	0.064	0.095	0.14	0.253	0.28

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Annual Analysis for 1977 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	10	16.7	15.26	27.	0.2	83.769	9.153	0.23	8.825	22.5	26.58
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	10	505.	726.9	1910.	308.	262453.878	512.303	318.4	434.5	896.75	1857.2
00065	STAGE, STREAM (FEET)	03/27/75-12/07/93	8	3.07	3.529	5.6	2.51	1.096	1.047	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	10	969.	999.2	1320.	606.	63395.733	251.785	622.2	799.5	1240.5	1318.2
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	10	6.5	7.66	11.9	4.2	7.587	2.754	4.33	5.5	10.475	11.84
00310	BOD, 5 DAY, 20 DEG C MG/L	04/09/73-07/18/88	9	7.6	7.533	11.	4.	6.768	2.601	4.	4.65	9.85	11.
00335p	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	9	16.	19.111	28.	16.	19.111	4.372	16.	16.	22.	28.
00400p	PH (STANDARD UNITS)	04/09/73-12/07/93	10	7.8	7.84	8.8	7.5	0.125	0.353	7.51	7.675	7.8	8.7
00400p	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	10	7.8	7.761	8.8	7.5	0.132	0.363	7.51	7.675	7.8	8.7
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	10	0.016	0.017	0.032	0.002	0.	0.008	0.003	0.016	0.021	0.031
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/21/73-02/28/80	9	554.	570.444	778.	314.	27081.778	164.565	314.	425.	723.	778.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	9	24.	24.444	53.	10.	204.278	14.293	10.	12.	33.5	53.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	10	0.845	1.148	2.87	0.22	0.818	0.904	0.233	0.493	1.878	2.83
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	8	0.21	0.258	0.53	0.08	0.02	0.141	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	9	1.4	1.944	4.1	0.9	1.593	1.262	0.9	1.1	3.05	4.1

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Annual Analysis for 1977 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	9	1.59	2.094	4.61	0.78	1.414	1.189	0.78	1.3	2.77	4.61
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	10	0.41	0.395	0.73	0.05	0.064	0.254	0.053	0.14	0.612	0.728
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/07/73-09/25/90	7	15.	13.143	16.	6.	13.143	3.625	**	**	**	**
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	2	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	10	236.	236.3	298.	168.	1398.9	37.402	171.	210.	264.5	295.1
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	8	169.5	181.25	262.	104.	3233.643	56.865	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	6	5.	5.	5.	5.	0.	0.	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	5	30.	30.	30.	30.	0.	0.	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	10	30.	30.	30.	30.	0.	0.	30.	30.	30.	30.
01045p	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	1	660.	660.	660.	660.	0.	0.	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	8	9.	9.75	18.	5.	24.214	4.921	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	9	30.	33.333	50.	30.	50.	7.071	30.	30.	35.	50.
01501	ALPHA, TOTAL	03/25/70-09/29/77	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
03501	BETA, TOTAL	03/25/70-09/29/77	10	6.5	5.7	10.	0.	13.567	3.683	0.	3.	9.	9.9
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	10	5250.	7840.	26000.	2300.	52409333.333	7239.429	2310.	2625.	10275.	24600.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	10	3.72	3.761	4.415	3.362	0.121	0.347	3.364	3.419	4.01	4.381
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5763.342								
31679p	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/09/73-03/15/90	10	1075.	2426.	14000.	340.	17040471.111	4128.011	346.	452.5	2100.	12810.
31679p	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	04/09/73-03/15/90	10	3.022	3.079	4.146	2.531	0.231	0.48	2.539	2.655	3.322	4.064
31679p	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1198.311								
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	10	15.	16.	31.	5.	78.444	8.857	5.2	8.5	23.5	30.7
38260p	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	04/09/73-11/09/81	10	0.24	0.245	0.33	0.11	0.005	0.071	0.118	0.198	0.308	0.33

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

Annual Analysis for 1978 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	2	10.25	10.25	12.	8.5	6.125	2.475	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	1	288.	288.	288.	288.	0.	0.	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	2	647.	647.	650.	644.	18.	4.243	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	2	8.15	8.15	8.9	7.4	1.125	1.061	**	**	**	**
00335p	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	04/09/73-12/07/93	2	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	2	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	2	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/21/73-02/28/80	1	556.	556.	556.	556.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	2	1.	1.	1.24	0.76	0.115	0.339	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	2	0.36	0.36	0.37	0.35	0.	0.014	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	2	1.8	1.8	2.2	1.4	0.32	0.566	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	2	2.765	2.765	3.35	2.18	0.684	0.827	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	2	0.5	0.5	0.54	0.46	0.003	0.057	**	**	**	**
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	2	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	2	243.	243.	265.	221.	968.	31.113	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	2	9.5	9.5	14.	5.	40.5	6.364	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	2	30.	30.	30.	30.	0.	0.	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	2	30.	30.	30.	30.	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	2	800.	800.	1340.	260.	583200.	763.675	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	2	23.5	23.5	35.	12.	264.5	16.263	**	**	**	**
01067p	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	2	35.	35.	40.	30.	50.	7.071	**	**	**	**
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	2	20.5	20.5	22.	19.	4.5	2.121	**	**	**	**
38260p	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	04/09/73-11/09/81	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 box-and-whisker plot

Annual Analysis for 1979 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	11	13.	12.791	25.2	0.5	80.711	8.984	1.	4.	21.5	24.76
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	11	585.	766.182	2080.	261.	283911.764	532.834	279.8	449.	1105.	1919.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	8	675.	733.125	1164.	290.	76634.125	276.829	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	9	8.8	8.956	13.	4.4	10.945	3.308	4.4	5.7	12.1	13.
00310	BOD, 5 DAY, 20 DEG C MG/L	04/09/73-07/18/88	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00335p	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	8	20.9	28.5	85.7	14.	554.254	23.543	**	**	**	**
00400p	PH (STANDARD UNITS)	04/09/73-12/07/93	11	7.6	7.491	7.9	6.6	0.107	0.327	6.76	7.4	7.6	7.86
00400p	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	11	7.6	7.32	7.9	6.6	0.139	0.373	6.76	7.4	7.6	7.86
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	11	0.025	0.048	0.251	0.013	0.005	0.068	0.014	0.025	0.04	0.209
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	05/07/73-12/07/93	8	123.5	129.25	216.	80.	1785.357	42.253	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/21/73-02/28/80	9	464.	466.111	640.	320.	8764.111	93.617	320.	390.	517.	640.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	10	34.	79.5	505.	10.	22620.722	150.402	10.7	18.5	53.75	460.7
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	10	1.05	1.086	1.91	0.29	0.199	0.446	0.327	0.855	1.355	1.868
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	10	0.11	0.201	0.59	0.01	0.042	0.206	0.01	0.018	0.38	0.572
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	10	2.44	2.512	4.48	0.9	1.301	1.141	0.946	1.563	3.6	4.392
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	10	1.37	1.408	2.72	0.81	0.27	0.52	0.821	1.13	1.503	2.605
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	8	0.38	0.46	1.18	0.18	0.103	0.322	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/07/73-09/25/90	4	20.65	24.15	41.	14.3	136.363	11.677	**	**	**	**
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	11	0.01	0.012	0.03	0.01	0.	0.006	0.01	0.01	0.01	0.026
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	11	213.	213.273	261.	152.	920.418	30.338	159.2	197.	236.	259.2
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	11	104.	100.273	203.	21.	2764.418	52.578	24.4	61.	124.	193.
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/19/73-12/07/93	7	85.	85.286	105.	73.	133.905	11.572	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	8	5.	7.125	20.	5.	27.554	5.249	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	9	30.	30.	30.	30.	0.	0.	30.	30.	30.	30.
01042p	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	10	30.	34.	70.	30.	160.	12.649	30.	30.	30.	66.
01045p	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	10	1745.	3754.	23000.	610.	46202382.222	6797.233	641.	1070.	2245.	21010.
01051p	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	10	12.5	33.1	140.	5.	2155.878	46.431	5.	5.75	45.	135.6
01067p	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	8	100.	100.	100.	100.	0.	0.	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	10	35.	54.	210.	30.	3071.111	55.418	30.	30.	50.	194.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	5	25000.	27660.	59000.	6300.	376078000.	19392.731	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	5	4.398	4.343	4.771	3.799	0.124	0.352	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			22042.666								
31679p	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/09/73-03/15/90	5	4300.	4400.	9100.	1000.	11475000.	3387.477	**	**	**	**
31679p	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	04/09/73-03/15/90	5	3.633	3.506	3.959	3.	0.172	0.415	**	**	**	**
31679p	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			3207.79								
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	11	7.	8.818	16.	2.	19.164	4.378	2.6	6.	12.	15.6
38260p	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	04/09/73-11/09/81	11	0.15	0.144	0.23	0.07	0.003	0.051	0.072	0.1	0.18	0.222

** - Less than 9 observations ## - Computed with 50% or 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 CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	10	10.25	11.05	24.	1.	65.414	8.088	1.15	3.625	18.25	23.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	11	516.	708.091	1395.	287.	176573.291	420.206	288.6	365.	1155.	1366.
00065	STAGE, STREAM (FEET)	03/27/75-12/07/93	8	3.2	3.475	4.8	2.46	0.832	0.912	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	9	750.	758.889	1276.	360.	85164.111	291.829	360.	500.	960.	1276.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	10	8.4	8.49	12.	5.5	5.963	2.442	5.51	6.275	11.1	11.94
00310	BOD, 5 DAY, 20 DEG C MG/L	04/09/73-07/18/88	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00335p	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	7	24.	23.471	28.3	20.	8.089	2.844	**	**	**	**
00400p	PH (STANDARD UNITS)	04/09/73-12/07/93	5	7.7	7.68	7.8	7.5	0.017	0.13	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	5	7.7	7.664	7.8	7.5	0.017	0.132	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	5	0.02	0.022	0.032	0.016	0.	0.007	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	05/07/73-12/07/93	11	138.	129.727	165.	84.	813.418	28.52	86.2	103.	153.	163.8
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/21/73-02/28/80	1	552.	552.	552.	552.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	6	21.	30.333	60.	5.	528.267	22.984	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	11	0.98	1.112	2.55	0.25	0.425	0.652	0.31	0.8	1.36	2.438

** - Less than 9 observations ## - Computed with 50% or 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 CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	11	0.18	0.237	0.85	0.06	0.053	0.23	0.062	0.08	0.33	0.754
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	11	1.97	2.061	3.66	1.12	0.608	0.78	1.14	1.38	2.38	3.546
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	11	1.68	1.788	3.42	0.9	0.649	0.806	0.926	1.11	2.2	3.316
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	11	0.41	0.46	0.73	0.31	0.021	0.144	0.32	0.36	0.608	0.72
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/07/73-09/25/90	6	17.5	16.5	23.	10.	25.9	5.089	**	**	**	**
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	8 ##	0.005	0.499	3.8	0.005	1.782	1.335	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	11	228.	224.818	277.	164.	1905.364	43.65	166.6	179.	271.	276.
00916p	CALCIUM, TOTAL (MG/L AS CA)	03/27/74-12/07/93	2	74.	74.	76.	72.	8.	2.828	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	11	97.	118.	221.	2.	4713.4	68.654	11.8	78.	182.	219.2
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/19/73-12/07/93	11	85.	88.273	116.	66.	234.418	15.311	67.4	78.	103.	114.
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	8 ##	2.5	3.125	5.	2.5	1.339	1.157	**	**	**	**
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	8 ##	22.5	23.75	40.	15.	98.214	9.91	**	**	**	**
01042p	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	11 ##	15.	17.727	30.	15.	36.818	6.068	15.	15.	15.	30.
01045p	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	11	1010.	1442.727	2760.	390.	899761.818	948.558	408.	500.	2600.	2730.
01051p	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	11	6.	5.545	10.	2.5	6.973	2.641	2.5	2.5	7.	9.6
01067p	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	7 ##	50.	71.429	100.	50.	714.286	26.726	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	11	30.	30.909	50.	15.	104.091	10.202	15.	30.	40.	48.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	8	17000.	22912.5	50000.	3400.	372461250.	19299.255	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	8	4.23	4.174	4.699	3.531	0.219	0.468	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			14923.85								
31679p	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/09/73-03/15/90	8	3700.	9150.	27000.	1400.	99191428.571	9959.489	**	**	**	**
31679p	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	04/09/73-03/15/90	8	3.535	3.694	4.431	3.146	0.281	0.53	**	**	**	**
31679p	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			4938.546								
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	11	11.	16.818	81.	5.	467.564	21.623	5.2	7.	15.	68.4
38260p	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	04/09/73-11/09/81	10	0.155	0.17	0.28	0.09	0.003	0.052	0.094	0.145	0.21	0.273
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/21/80-12/07/93	5	471.	496.4	738.	296.	26421.3	162.546	**	**	**	**

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Annual Analysis for 1981 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	11	12.	12.536	24.4	0.5	69.285	8.324	0.8	3.5	20.5	23.92
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	11	807.	1222.909	2896.	407.	827846.691	909.861	420.	521.	1840.	2870.
00065	STAGE, STREAM (FEET)	03/27/75-12/07/93	11	3.74	4.415	7.48	2.72	2.965	1.722	2.772	2.99	5.64	7.438
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	5	660.	673.6	880.	484.	21484.8	146.577	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	11	9.	8.709	12.3	5.7	5.795	2.407	5.74	6.7	11.4	12.2
00335p	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	11	25.	46.155	114.	10.	1262.583	35.533	12.	20.	82.	109.4
00400p	PH (STANDARD UNITS)	04/09/73-12/07/93	5	7.6	7.58	7.9	7.3	0.057	0.239	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	5	7.6	7.53	7.9	7.3	0.06	0.245	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	5	0.025	0.03	0.05	0.013	0.	0.015	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	05/07/73-12/07/93	10	119.5	123.6	178.	88.	648.711	25.47	89.6	105.5	139.75	174.4
00500	RESIDUE, TOTAL (MG/L)	12/19/73-09/25/90	1	372.	372.	372.	372.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	11	16.	139.455	790.	5.	57912.673	240.651	5.	8.	259.	693.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	11	0.51	0.878	3.94	0.05	1.163	1.078	0.072	0.25	1.03	3.362
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	10	0.125	0.17	0.75	0.01	0.045	0.213	0.013	0.055	0.18	0.696
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	11	1.43	2.394	5.91	1.09	2.617	1.618	1.092	1.24	3.22	5.654
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	11	1.48	1.585	2.76	0.76	0.483	0.695	0.76	0.99	2.2	2.722
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	11	0.333	0.502	1.36	0.22	0.127	0.356	0.223	0.262	0.741	1.236
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/07/73-09/25/90	8	17.5	17.625	30.	8.	51.982	7.21	**	**	**	**
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	10 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	11	198.	206.636	272.	165.	992.655	31.506	167.2	180.	232.	264.2
00916p	CALCIUM, TOTAL (MG/L AS CA)	03/27/74-12/07/93	6	56.5	60.633	81.	47.	139.847	11.826	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	03/27/74-12/07/93	1	14.2	14.2	14.2	14.2	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	10	98.	110.7	172.	69.	1331.122	36.485	69.9	82.5	149.	171.2
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/19/73-12/07/93	9	83.	81.333	98.	66.	108.25	10.404	66.	72.	88.5	98.
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	10 ##	2.5	3.9	12.	2.5	10.1	3.178	2.5	2.5	3.625	11.5

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Annual Analysis for 1981 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	9 ##	15.	18.889	50.	15.	136.111	11.667	15.	15.	15.	50.
01042p	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	11 ##	15.	46.818	210.	5.	4346.364	65.927	7.	15.	40.	196.
01045p	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	11	1030.	6327.273	33500.	620.	102555341.818	10126.961	620.	650.	11700.	29500.
01051p	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	11	6.	41.818	225.	2.5	4960.064	70.428	2.5	2.5	49.	204.
01067p	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	10 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01092p	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	11	45.	143.182	640.	15.	46016.364	214.514	15.	20.	150.	610.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	11	7000.	18836.364	66000.	1300.	481318545.455	21938.973	1360.	4200.	42000.	61600.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	11	3.845	3.965	4.82	3.114	0.331	0.575	3.132	3.623	4.623	4.784
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9222.806								
31679p	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/09/73-03/15/90	8	3150.	8231.25	26000.	850.	98787812.5	9939.206	**	**	**	**
31679p	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	04/09/73-03/15/90	8	3.492	3.636	4.415	2.929	0.276	0.526	**	**	**	**
31679p	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			4329.615								
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	10	9.	9.7	18.	4.	18.678	4.322	4.2	6.75	14.	17.6
38260p	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	04/09/73-11/09/81	10	0.14	0.162	0.3	0.11	0.003	0.058	0.111	0.128	0.178	0.293
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/21/80-12/07/93	10	367.	414.	608.	300.	10026.667	100.133	303.	343.5	494.	600.8

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Annual Analysis for 1982 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	11	9.5	10.955	22.5	0.5	57.123	7.558	0.6	5.	18.5	21.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	11	1189.	1335.	4242.	276.	1345949.4	1160.151	283.6	431.	1839.	3833.6
00065	STAGE, STREAM (FEET)	03/27/75-12/07/93	10	4.745	4.714	9.5	2.46	4.505	2.123	2.471	2.803	5.788	9.14
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	3	340.	370.	500.	270.	13900.	117.898	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/73-12/07/93	5	600.	664.	860.	600.	12680.	112.606	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	11	10.2	9.9	13.4	6.5	5.596	2.366	6.64	8.	11.9	13.32
00335p	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	15	23.	29.667	86.	15.	337.952	18.383	16.2	21.	30.	68.
00400p	PH (STANDARD UNITS)	04/09/73-12/07/93	10	7.8	7.83	8.2	7.6	0.038	0.195	7.6	7.675	8.	8.18
00400p	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	10	7.8	7.794	8.2	7.6	0.039	0.198	7.6	7.675	8.	8.18
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	10	0.016	0.016	0.025	0.006	0.	0.006	0.007	0.01	0.021	0.025
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	11	29.	88.	410.	8.	15357.4	123.925	8.6	11.	89.	373.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	11	0.63	0.975	2.56	0.14	0.732	0.855	0.152	0.22	1.93	2.466
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	9	0.11	0.154	0.37	0.03	0.014	0.119	0.03	0.055	0.26	0.37
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	11	1.2	1.75	3.	0.7	0.814	0.902	0.74	1.	2.8	2.98
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	10	1.35	1.706	4.41	0.76	1.417	1.19	0.765	0.848	2.248	4.28
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	11	0.31	0.381	1.25	0.14	0.095	0.308	0.152	0.21	0.4	1.104
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	10	205.	201.3	268.	81.	3205.344	56.616	89.4	169.5	244.25	267.8
00916p	CALCIUM, TOTAL (MG/L AS CA)	03/27/74-12/07/93	10	57.75	54.305	75.	0.05	469.388	21.665	4.755	48.15	68.775	75.
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	03/27/74-12/07/93	10	16.65	15.96	19.7	11.6	10.218	3.197	11.65	12.775	19.225	19.69
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	10 ##	0.25	0.56	3.	0.25	0.747	0.864	0.25	0.25	0.338	2.76
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	10 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042p	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	11 ##	5.	13.182	55.	5.	231.364	15.211	5.	5.	15.	49.
01045p	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	11	1590.	3822.727	16200.	390.	25322881.818	5032.185	428.	830.	3720.	15120.
01051p	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	11	4.	9.773	53.	1.	232.068	15.234	1.2	2.5	7.	46.4
01067p	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	10 ##	20.	22.5	50.	15.	95.833	9.789	15.5	20.	20.	47.
01092p	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	11	35.	48.636	170.	15.	2105.455	45.885	15.	20.	65.	153.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	10	6300.	10043.	32000.	460.	112590223.333	10610.854	464.	627.5	17000.	31100.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	10	3.794	3.652	4.505	2.663	0.479	0.692	2.666	2.794	4.223	4.491
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4488.282								
31679p	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/09/73-03/15/90	10	3150.	5496.8	23000.	18.	48476080.178	6962.477	41.2	587.5	7725.	21600.
31679p	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	04/09/73-03/15/90	10	3.496	3.257	4.362	1.255	0.836	0.914	1.37	2.733	3.886	4.321
31679p	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1808.65								
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	4	10.	10.25	16.	5.	20.25	4.5	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/21/80-12/07/93	11	456.	448.818	605.	272.	13238.964	115.061	286.	350.	545.	604.8

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Annual Analysis for 1983 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	10	8.5	11.2	24.	3.5	56.122	7.491	3.6	4.875	18.375	23.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	10	753.5	873.6	1629.	302.	270768.044	520.354	304.2	345.75	1528.75	1624.6
00065	STAGE, STREAM (FEET)	03/27/75-12/07/93	10	3.625	3.809	5.37	2.46	1.235	1.111	2.474	2.66	5.185	5.362
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	10	455.	544.	950.	348.	47263.111	217.401	348.2	365.	721.5	939.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	10	8.55	8.99	11.2	6.	2.865	1.693	6.17	7.925	10.55	11.18
00335p	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	15	25.	24.733	36.	16.	32.495	5.7	16.6	21.	27.	35.4
00400p	PH (STANDARD UNITS)	04/09/73-12/07/93	9	7.8	7.767	8.	7.5	0.023	0.15	7.5	7.65	7.85	8.
00400p	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	9	7.8	7.743	8.	7.5	0.023	0.152	7.5	7.65	7.85	8.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	9	0.016	0.018	0.032	0.01	0.	0.007	0.01	0.014	0.023	0.032
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	05/07/73-12/07/93	1	116.	116.	116.	116.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	10	18.	28.2	60.	12.	334.844	18.299	12.	13.5	43.25	59.3
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	10	0.41	0.498	1.1	0.12	0.113	0.336	0.128	0.253	0.69	1.095
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	10	0.065	0.125	0.38	0.02	0.017	0.129	0.021	0.038	0.223	0.374
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	10	1.05	1.15	1.9	0.8	0.132	0.363	0.8	0.875	1.375	1.87
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	10	1.575	2.27	4.79	1.12	2.137	1.462	1.128	1.245	3.72	4.782
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	10	0.22	0.267	0.46	0.17	0.012	0.111	0.171	0.188	0.375	0.459
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	10 ##	0.005	0.005	0.005	0.003	0.	0.001	0.003	0.004	0.005	0.005
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	10	205.	217.3	277.	170.	1738.9	41.7	170.8	180.25	271.5	276.9
00916p	CALCIUM, TOTAL (MG/L AS CA)	03/27/74-12/07/93	10	58.8	61.86	77.8	49.2	127.203	11.278	49.42	51.475	76.775	77.75
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	03/27/74-12/07/93	10	14.1	15.24	20.1	11.5	10.834	3.291	11.55	12.525	19.4	20.09
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	3	69.	68.	72.	63.	21.	4.583	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/19/73-12/07/93	1	87.	87.	87.	87.	0.	0.	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	10 ##	0.25	0.25	0.3	0.2	0.001	0.024	0.205	0.25	0.25	0.295
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	10 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042p	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	10 ##	7.5	9.5	20.	5.	35.833	5.986	5.	5.	12.5	20.
01045p	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	10	1045.	1394.	2670.	630.	632160.	795.085	632.	657.5	2200.	2653.
01051p	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	10	2.5	2.9	5.	1.	2.544	1.595	1.	1.75	5.	5.
01067p	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	9 ##	20.	20.	20.	20.	0.	0.	20.	20.	20.	20.
01092p	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	10	25.	24.5	40.	10.	63.611	7.976	11.	20.	30.	39.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	9	2200.	5225.556	31000.	730.	94408127.778	9716.385	730.	1200.	3250.	31000.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	9	3.342	3.387	4.491	2.863	0.219	0.468	2.863	3.079	3.492	4.491
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2438.372								
31679p	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/09/73-03/15/90	9	800.	3257.	19000.	580.	35847656.	5987.291	580.	716.5	2900.	19000.
31679p	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	04/09/73-03/15/90	9	2.903	3.157	4.279	2.763	0.245	0.495	2.763	2.855	3.449	4.279
31679p	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1434.95								
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	10 ##	5.	7.8	18.	5.	22.622	4.756	5.	5.	12.25	17.5
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/21/80-12/07/93	10	382.	422.6	596.	300.	12761.822	112.968	302.8	328.	563.5	595.

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Annual Analysis for 1984 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	13	15.5	13.346	24.5	1.	77.974	8.83	1.4	4.	21.25	24.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	13	504.	1106.385	3350.	236.	981957.923	990.938	253.2	331.5	1849.5	2974.
00065	STAGE, STREAM (FEET)	03/27/75-12/07/93	9	2.92	3.612	5.98	2.43	1.865	1.366	2.43	2.595	5.065	5.98
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	13	525.	559.	935.	326.	45083.833	212.33	330.	368.	690.	931.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/73-12/07/93	5	807.	821.4	932.	754.	4569.8	67.6	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	13	8.2	9.054	12.2	6.4	4.164	2.041	6.56	7.3	11.	12.08
00335p	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	12	29.5	39.917	98.	16.	770.629	27.76	18.1	25.	42.	97.7
00400p	PH (STANDARD UNITS)	04/09/73-12/07/93	13	7.9	7.854	8.2	7.5	0.049	0.222	7.5	7.7	8.	8.2
00400p	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	13	7.9	7.802	8.2	7.5	0.052	0.229	7.5	7.7	8.	8.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	13	0.013	0.016	0.032	0.006	0.	0.008	0.006	0.01	0.02	0.032
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	05/07/73-12/07/93	1	125.	125.	125.	125.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	9	42.	86.667	387.	5.	15331.5	123.82	5.	10.5	124.5	387.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	13	0.32	0.429	1.92	0.025	0.235	0.484	0.025	0.16	0.515	1.384
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	13	0.1	0.12	0.32	0.02	0.007	0.085	0.02	0.06	0.16	0.288

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Annual Analysis for 1984 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	13	1.2	1.346	3.1	0.2	0.521	0.722	0.52	1.	1.4	2.86
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	13	2.25	2.369	4.12	0.78	1.557	1.248	0.856	1.03	3.66	4.028
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	13	0.25	0.358	1.02	0.025	0.061	0.246	0.091	0.21	0.485	0.832
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	8	0.007	0.039	0.182	0.003	0.004	0.065	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	12	208.5	206.25	283.	128.	2481.841	49.818	135.5	159.5	248.5	273.4
00916p	CALCIUM, TOTAL (MG/L AS CA)	03/27/74-12/07/93	12	56.9	57.667	81.5	35.7	219.381	14.812	38.07	44.85	70.175	78.5
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	03/27/74-12/07/93	12	16.6	15.2	19.3	9.5	13.222	3.636	9.86	11.35	18.425	19.15
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	7	72.	96.143	182.	47.	2557.143	50.568	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	13	0.2	0.4	2.	0.1	0.255	0.505	0.1	0.2	0.35	1.48
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	13 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042p	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	13	10.	12.692	40.	5.	94.231	9.707	5.	5.	15.	32.
01045p	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	13	680.	2063.846	12300.	370.	10449792.308	3232.614	438.	560.	2080.	8912.
01051p	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	13	2.	7.923	58.	1.	240.41	15.505	1.	2.	5.5	40.8
01067p	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	12 ##	20.	36.667	200.	20.	2678.788	51.757	20.	20.	20.	152.
01092p	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	13	30.	201.923	2070.	20.	317556.41	563.521	20.	20.	62.5	1324.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	10	1150.	11610.	57000.	160.	344190600.	18552.375	188.	515.	21750.	54000.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	10	3.057	3.39	4.756	2.204	0.777	0.881	2.248	2.71	4.334	4.723
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2457.43								
31679p	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/09/73-03/15/90	5	5900.	8922.	29000.	110.	134097920.	11580.066	**	**	**	**
31679p	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	04/09/73-03/15/90	5	3.771	3.5	4.462	2.041	0.82	0.905	**	**	**	**
31679p	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			3161.831								
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	6 ##	5.	9.	20.	5.	42.	6.481	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/21/80-12/07/93	9	450.	439.333	586.	304.	14256.	119.398	304.	315.	568.	586.

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Annual Analysis for 1985 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	12	13.25	11.667	24.5	0.5	76.015	8.719	0.65	2.25	19.625	23.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	12	689.5	874.75	2270.	232.	430937.659	656.458	251.2	317.	1319.75	2114.
00065	STAGE, STREAM (FEET)	03/27/75-12/07/93	10	3.235	3.627	6.42	2.4	1.748	1.322	2.412	2.565	4.445	6.26
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	12	702.	629.667	954.	250.	57634.061	240.071	276.4	379.5	844.	931.8
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	12	8.85	9.717	13.4	6.7	4.296	2.073	6.97	8.2	11.475	12.98
00335p	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	5	18.	22.2	37.	16.	75.7	8.701	**	**	**	**
00400p	PH (STANDARD UNITS)	04/09/73-12/07/93	12	7.75	7.7	8.3	7.2	0.098	0.313	7.23	7.425	7.9	8.18
00400p	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	12	7.747	7.601	8.3	7.2	0.109	0.33	7.23	7.425	7.9	8.18
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	12	0.018	0.025	0.063	0.005	0.	0.018	0.007	0.013	0.038	0.059
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	12	28.	34.542	138.	2.5	1367.339	36.978	3.25	6.	39.75	114.9
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	12	0.37	0.519	1.96	0.06	0.28	0.529	0.06	0.145	0.66	1.651
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	12	0.095	0.106	0.19	0.04	0.003	0.056	0.04	0.06	0.168	0.187
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	12	1.1	1.367	3.9	0.6	0.737	0.858	0.66	0.9	1.475	3.24
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	12	1.81	2.387	4.3	1.4	1.202	1.096	1.406	1.525	3.25	4.288
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	12	0.285	0.304	0.63	0.08	0.025	0.158	0.098	0.183	0.428	0.585
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	12 ##	0.003	0.003	0.008	0.003	0.	0.002	0.003	0.003	0.004	0.007
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	11	256.	232.818	278.	160.	1985.564	44.56	163.4	184.	272.	276.8
00916p	CALCIUM, TOTAL (MG/L AS CA)	03/27/74-12/07/93	11	73.3	66.4	80.5	45.6	174.21	13.199	46.54	51.5	77.9	80.22
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	03/27/74-12/07/93	11	17.6	16.245	20.3	11.1	9.043	3.007	11.38	13.4	18.	20.08
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	11	106.	109.091	220.	57.	1803.491	42.468	61.	80.	123.	200.8
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/19/73-12/07/93	1	98.	98.	98.	98.	0.	0.	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	12	0.3	0.717	5.	0.1	1.885	1.373	0.1	0.1	0.65	3.77
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	12 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042p	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	12 ##	7.5	10.	20.	5.	36.364	6.03	5.	5.	15.	20.
01045p	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	12	1645.	1841.667	7680.	320.	4006233.333	2001.558	353.	500.	2105.	6210.
01051p	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	12	4.	5.333	19.	1.	23.697	4.868	1.3	3.	5.75	16.3
01067p	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	12 ##	20.	55.833	240.	20.	6317.424	79.482	20.	20.	35.	231.
01092p	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	12	32.5	39.167	100.	5.	717.424	26.785	9.5	21.25	47.5	94.

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Annual Analysis for 1985 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	12	3400.	11278.333	97000.	220.	735738287.879	27124.496	250.	900.	6175.	70600.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	12	3.53	3.461	4.987	2.342	0.508	0.713	2.391	2.855	3.79	4.677
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2890.945								
31679p	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/09/73-03/15/90	9	1800.	3566.667	12000.	1100.	14695000.	3833.406	1100.	1200.	5600.	12000.
31679p	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	04/09/73-03/15/90	9	3.255	3.384	4.079	3.041	0.14	0.374	3.041	3.079	3.704	4.079
31679p	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			2419.168								
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	11	## 5.	6.727	14.	5.	9.818	3.133	5.	5.	10.	13.2
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/21/80-12/07/93	11	464.	474.545	662.	340.	14076.873	118.646	342.	354.	586.	651.2

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Annual Analysis for 1986 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	11	16.2	14.336	23.5	2.5	80.285	8.96	2.7	4.	22.	23.3
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	11	1050.	1160.182	2531.	193.	579491.764	761.244	212.6	444.	2000.	2438.8
00065	STAGE, STREAM (FEET)	03/27/75-12/07/93	8	4.435	4.791	6.88	2.92	1.899	1.378	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	11	517.	543.636	936.	258.	54578.455	233.62	267.8	371.	802.	927.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	11	8.6	9.345	12.8	6.4	6.501	2.55	6.42	7.5	12.2	12.74
00335p	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	7	25.	31.	55.	21.	159.667	12.636	**	**	**	**
00400p	PH (STANDARD UNITS)	04/09/73-12/07/93	11	7.7	7.764	8.1	7.5	0.033	0.18	7.52	7.6	7.9	8.08
00400p	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	11	7.7	7.732	8.1	7.5	0.034	0.183	7.52	7.6	7.9	8.08
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	11	0.02	0.019	0.032	0.008	0.	0.007	0.008	0.013	0.025	0.03
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	11	51.	69.	212.	6.	5013.	70.803	7.2	13.	84.	208.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	11	0.12	0.125	0.3	0.025	0.009	0.093	0.025	0.025	0.16	0.294
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	10	0.05	0.047	0.08	0.02	0.	0.015	0.022	0.04	0.05	0.077
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	11	1.1	1.027	1.4	0.7	0.052	0.228	0.7	0.9	1.2	1.38
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	11	1.54	1.937	4.09	1.1	1.037	1.018	1.11	1.34	2.07	4.018
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	11	0.25	0.249	0.42	0.12	0.009	0.096	0.126	0.17	0.31	0.412
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	9	## 0.003	0.003	0.005	0.003	0.	0.001	0.003	0.003	0.003	0.005
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	11	180.	200.273	284.	150.	2357.218	48.551	152.2	165.	262.	281.8
00916p	CALCIUM, TOTAL (MG/L AS CA)	03/27/74-12/07/93	11	52.5	57.309	82.	42.8	193.115	13.897	43.58	46.8	74.2	81.14
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	03/27/74-12/07/93	11	12.7	13.927	19.3	10.5	11.796	3.435	10.54	11.5	18.7	19.3
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	11	74.	87.636	132.	51.	1007.655	31.744	51.8	60.	124.	131.
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/19/73-12/07/93	4	65.	70.75	97.	56.	340.917	18.464	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	11	0.3	0.318	0.6	0.1	0.032	0.178	0.1	0.1	0.5	0.58
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	11	## 15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042p	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	11	## 5.	9.091	25.	5.	54.091	7.355	5.	5.	15.	24.
01045p	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	11	2930.	3489.091	10300.	470.	10958409.091	3310.349	482.	1040.	3720.	10086.
01051p	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	11	6.	7.	22.	1.	32.2	5.675	1.	4.	8.	19.6
01067p	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	11	## 20.	27.273	100.	20.	581.818	24.121	20.	20.	20.	84.
01092p	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	11	30.	42.727	85.	20.	411.818	20.293	21.	30.	60.	81.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	2	3650.	3650.	5700.	1600.	8405000.	2899.138	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	2	3.48	3.48	3.756	3.204	0.152	0.39	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3019.934								
31679p	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/09/73-03/15/90	1	2800.	2800.	2800.	2800.	0.	0.	**	**	**	**
31679p	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	04/09/73-03/15/90	1	3.447	3.447	3.447	3.447	0.	0.	**	**	**	**
31679p	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			2800.								
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	9	## 10.	9.444	10.	5.	2.778	1.667	5.	10.	10.	10.
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/21/80-12/07/93	11	378.	416.909	598.	268.	12337.091	111.072	276.8	332.	520.	594.

** - Less than 9 observations ## - Computed with 50% or 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 CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	11	8.5	10.182	23.5	0.	79.264	8.903	0.4	2.5	21.	23.1
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	11	700.	839.636	1930.	200.	211509.055	459.901	264.	577.	983.	1804.
00065	STAGE, STREAM (FEET)	03/27/75-12/07/93	8	3.78	3.836	5.83	2.86	0.857	0.926	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	11	500.	533.455	887.	300.	28543.673	168.949	319.2	435.	618.	862.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/73-12/07/93	6	646.5	655.	841.	545.	11382.	106.686	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	11	10.6	10.373	14.8	6.6	7.064	2.658	6.76	8.1	12.8	14.64
00335p	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	12	24.5	22.917	39.	10.	111.174	10.544	10.	10.	32.25	37.2
00400p	PH (STANDARD UNITS)	04/09/73-12/07/93	10	7.75	7.78	8.3	7.3	0.075	0.274	7.33	7.6	8.	8.27
00400p	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	10	7.747	7.706	8.3	7.3	0.081	0.285	7.33	7.6	8.	8.27
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	10	0.018	0.02	0.05	0.005	0.	0.013	0.006	0.01	0.025	0.048
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	05/07/73-12/07/93	3	118.	112.667	144.	76.	1177.333	34.312	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	11	13.	46.364	250.	5.	5174.455	71.934	5.6	9.	62.	215.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	11	0.15	0.353	1.75	0.025	0.324	0.569	0.025	0.05	0.17	1.638
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	11	0.05	0.082	0.23	0.01	0.006	0.079	0.01	0.04	0.16	0.226
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	11	0.7	1.018	2.5	0.6	0.386	0.621	0.6	0.6	1.1	2.38
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	11	1.78	1.977	3.91	0.98	0.983	0.992	0.994	1.36	2.02	3.892
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	11	0.24	0.229	0.38	0.1	0.007	0.086	0.106	0.13	0.28	0.37
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	5 ##	0.003	0.003	0.006	0.003	0.	0.002	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	11	206.	210.455	261.	145.	1108.073	33.288	152.4	191.	229.	259.8
00916p	CALCIUM, TOTAL (MG/L AS CA)	03/27/74-12/07/93	11	61.	60.7	72.6	42.6	80.818	8.99	44.42	55.7	66.4	72.58
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	03/27/74-12/07/93	11	13.6	14.336	19.4	9.5	7.339	2.709	10.14	12.8	16.	19.08
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	8	111.5	112.375	192.	1.	3506.268	59.214	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/19/73-12/07/93	4	57.	56.75	70.	43.	138.25	11.758	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	10 ##	0.15	0.2	0.5	0.1	0.02	0.141	0.1	0.1	0.25	0.49
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	10 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042p	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	11 ##	5.	6.818	25.	5.	36.364	6.03	5.	5.	5.	21.
01045p	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	11	930.	2190.909	10600.	370.	8775889.091	2962.413	400.	660.	2710.	9126.
01051p	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	11	6.	6.727	16.	4.	12.818	3.58	4.	4.	8.	14.8
01067p	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	10 ##	20.	31.5	135.	20.	1322.5	36.366	20.	20.	20.	123.5
01092p	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	11	30.	35.	80.	15.	385.	19.621	16.	20.	45.	76.
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	6 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/21/80-12/07/93	11	462.	462.364	568.	304.	8463.855	91.999	315.2	364.	564.	567.6

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Annual Analysis for 1988 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	15	16.	13.733	26.5	-1.	105.602	10.276	5.4	-1.	24.	26.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	16	371.5	487.875	919.	87.	103403.85	321.565	105.9	213.	875.5	912.
00065	STAGE, STREAM (FEET)	03/27/75-12/07/93	14	2.91	3.104	3.92	2.32	0.457	0.676	2.325	2.413	3.863	3.915
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	15	710.	727.667	1145.	319.	65205.667	255.354	373.6	500.	978.	1082.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/73-12/07/93	12	765.	829.25	1260.	647.	27796.75	166.724	659.	725.5	926.25	1165.2
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	15	8.2	8.88	13.	5.4	5.839	2.416	5.76	7.2	10.2	13.
00310	BOD, 5 DAY, 20 DEG C MG/L	04/09/73-07/18/88	2 ##	7.7	7.7	10.	5.4	10.58	3.253	**	**	**	**
00335p	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	16 ##	15.5	22.	75.	10.	300.533	17.336	10.	10.	27.5	49.8
00400p	PH (STANDARD UNITS)	04/09/73-12/07/93	14	8.05	8.036	8.5	7.4	0.102	0.32	7.55	7.8	8.325	8.5
00400p	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	14	8.047	7.925	8.5	7.4	0.116	0.34	7.55	7.8	8.325	8.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	14	0.009	0.012	0.04	0.003	0.	0.01	0.003	0.005	0.016	0.03
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	05/07/73-12/07/93	12	125.	124.583	153.	100.	309.538	17.594	100.	109.25	137.25	151.2
00500	RESIDUE, TOTAL (MG/L)	12/19/73-09/25/90	1	432.	432.	432.	432.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	11	22.	25.409	79.	2.5	409.941	20.247	4.	13.	29.	70.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	16	0.125	0.18	0.79	0.025	0.038	0.196	0.025	0.025	0.278	0.475
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	4	0.045	0.058	0.1	0.04	0.001	0.029	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	16	0.85	0.894	1.6	0.6	0.05	0.224	0.67	0.8	1.	1.18
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	16	3.06	2.841	4.	1.48	0.862	0.929	1.515	1.865	3.748	3.951
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	13	0.14	0.187	0.39	0.08	0.008	0.091	0.092	0.125	0.27	0.35

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Annual Analysis for 1988 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	4 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	14	247.	273.786	692.	192.	15506.797	124.526	197.5	218.	273.	499.
00916p	CALCIUM, TOTAL (MG/L AS CA)	03/27/74-12/07/93	14	67.5	69.786	88.	57.	83.72	9.15	58.5	61.75	76.	85.
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	03/27/74-12/07/93	15	16.	15.8	21.	12.	6.314	2.513	12.6	14.	18.	19.2
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	15	132.	126.333	223.	66.	1342.524	36.64	75.	98.	143.	177.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/19/73-12/07/93	15	88.	91.333	121.	55.	421.667	20.535	63.4	74.	108.	120.4
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	13 ##	0.1	0.192	0.6	0.1	0.024	0.155	0.1	0.1	0.25	0.52
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	13 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042p	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	16 ##	5.	5.625	10.	5.	2.917	1.708	5.	5.	5.	10.
01045p	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	12	1010.	1315.833	4530.	380.	1209935.606	1099.971	437.	740.	1605.	3726.
01051p	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	16	4.	4.313	12.	1.	10.096	3.177	1.	1.25	5.75	10.6
01067p	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	8 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	15	25.	26.333	70.	5.	319.524	17.875	8.	15.	35.	64.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	5	730.	942.2	2400.	71.	809334.2	899.63	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	5	2.863	2.75	3.38	1.851	0.33	0.575	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			562.074								
31679p	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/09/73-03/15/90	3	670.	9246.667	27000.	70.	236475633.333	15377.764	**	**	**	**
31679p	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	04/09/73-03/15/90	3	2.826	3.034	4.431	1.845	1.705	1.306	**	**	**	**
31679p	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1081.879								
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	13 ##	10.	10.769	20.	10.	7.692	2.774	10.	10.	10.	16.
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/21/80-12/07/93	12	506.	538.167	800.	418.	11470.879	107.102	424.	470.	613.5	750.8

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Annual Analysis for 1989 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	11	9.5	9.636	25.	0.	80.305	8.961	0.	1.	18.	24.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	11	749.	996.273	3206.	361.	666180.818	816.199	383.	576.	1240.	2886.8
00065	STAGE, STREAM (FEET)	03/27/75-12/07/93	10	3.645	4.176	8.13	2.73	2.54	1.594	2.779	3.243	5.1	7.827
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	11	575.	574.273	830.	370.	21001.818	144.92	381.	432.	630.	824.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/73-12/07/93	11	745.	762.182	991.	466.	35676.564	188.882	466.4	663.	979.	990.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	11	10.6	10.182	12.8	6.6	5.428	2.33	6.74	8.	12.7	12.78
00335p	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	11	21.	21.909	59.	10.	202.491	14.23	10.	10.	25.	53.2
00400p	PH (STANDARD UNITS)	04/09/73-12/07/93	11	7.9	7.891	8.4	7.3	0.113	0.336	7.32	7.7	8.1	8.38
00400p	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	11	7.9	7.768	8.4	7.3	0.13	0.36	7.32	7.7	8.1	8.38
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	11	0.013	0.017	0.05	0.004	0.	0.015	0.004	0.008	0.02	0.048
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	05/07/73-12/07/93	11	117.	122.545	156.	92.	554.473	23.547	92.4	97.	150.	154.8
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	14	13.5	45.607	195.	2.5	4548.584	67.443	2.5	4.375	67.25	176.5
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	11	0.1	0.497	4.04	0.025	1.401	1.184	0.025	0.05	0.22	3.338
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	2	0.06	0.06	0.07	0.05	0.	0.014	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	11	0.7	0.818	1.4	0.6	0.05	0.223	0.62	0.7	0.9	1.32
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	11	2.54	2.49	4.31	0.81	1.157	1.076	0.904	1.55	3.16	4.216
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	11	0.12	0.123	0.22	0.06	0.002	0.045	0.064	0.08	0.14	0.21
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	10	235.	228.4	288.	144.	1672.711	40.899	147.6	211.5	254.	285.2
00916p	CALCIUM, TOTAL (MG/L AS CA)	03/27/74-12/07/93	11	68.	65.273	84.	43.	155.018	12.451	43.8	54.	73.	82.4
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	03/27/74-12/07/93	10	15.5	14.8	19.	9.	8.844	2.974	9.2	13.25	17.	18.8
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	11	115.	127.909	192.	54.	2620.891	51.195	54.6	100.	185.	191.2
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/19/73-12/07/93	11	93.	85.455	101.	54.	296.273	17.213	54.4	69.	97.	100.6
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	10 ##	0.1	0.26	1.	0.1	0.08	0.284	0.1	0.1	0.325	0.94
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	10 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042p	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	10 ##	5.	5.5	10.	5.	2.5	1.581	5.	5.	5.	9.5
01045p	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	10	860.	1993.	8310.	360.	6384734.444	2526.803	371.	590.	2757.5	7916.
01051p	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	10	4.	5.6	13.	3.	12.489	3.534	3.	3.	8.5	12.7
01067p	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	5 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	11	25.	30.455	55.	15.	187.273	13.685	15.	20.	45.	53.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	6	425.	929.167	2700.	55.	1087664.167	1042.911	**	**	**	**

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

Annual Analysis for 1989 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	6	2.628	2.681	3.431	1.74	0.364	0.603	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			480.251								
31679p	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/09/73-03/15/90	4	1200.	1152.5	2100.	110.	769691.667	877.321	**	**	**	**
31679p	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	04/09/73-03/15/90	4	3.054	2.868	3.322	2.041	0.335	0.578	**	**	**	**
31679p	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			737.404								
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	10 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/21/80-12/07/93	11	534.	509.	690.	294.	14733.	121.38	297.2	428.	594.	671.6

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Annual Analysis for 1990 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	12	14.5	13.167	24.	2.	57.106	7.557	2.15	5.125	19.375	23.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	8	1140.	1175.	1674.	605.	147320.571	383.824	**	**	**	**
00065	STAGE, STREAM (FEET)	03/27/75-12/07/93	10	4.53	4.589	5.71	3.4	0.428	0.654	3.465	4.208	5.095	5.674
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	12	515.	512.917	720.	380.	11902.083	109.097	383.	412.5	600.	691.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/73-12/07/93	10	600.5	627.1	887.	464.	19504.1	139.657	464.9	497.	742.	876.7
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	12	9.35	9.875	12.6	6.9	4.031	2.008	7.11	8.	12.1	12.51
00335p	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	24 ##	10.	14.792	35.	10.	55.563	7.454	10.	10.	21.	26.5
00400p	PH (STANDARD UNITS)	04/09/73-12/07/93	11	8.04	8.015	8.33	7.7	0.047	0.217	7.72	7.8	8.21	8.324
00400p	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	11	8.04	7.967	8.33	7.7	0.049	0.222	7.72	7.8	8.21	8.324
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	11	0.009	0.011	0.02	0.005	0.	0.005	0.005	0.006	0.016	0.019
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	05/07/73-12/07/93	24	120.	121.958	167.	91.	413.868	20.344	96.	106.25	134.5	152.5
00500	RESIDUE, TOTAL (MG/L)	12/19/73-09/25/90	11	488.	495.273	656.	390.	4918.618	70.133	398.	444.	524.	634.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	24	33.5	60.833	621.	5.	14931.275	122.194	6.5	12.25	58.	95.5
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	24 ##	0.025	0.079	0.4	0.025	0.01	0.1	0.025	0.025	0.087	0.255
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	21	0.03	0.042	0.13	0.01	0.001	0.029	0.012	0.025	0.05	0.094
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	22	0.6	0.609	0.8	0.3	0.023	0.151	0.4	0.5	0.725	0.8
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	24	1.705	1.945	4.02	1.2	0.499	0.706	1.33	1.43	2.368	3.07
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	22	0.115	0.324	2.98	0.025	0.461	0.679	0.036	0.09	0.143	1.254
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/07/73-09/25/90	12 ##	2.5	2.925	5.1	2.5	0.986	0.993	2.5	2.5	2.5	5.07
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	7 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	22	200.	202.182	261.	155.	777.584	27.885	165.	183.5	222.5	242.4
00916p	CALCIUM, TOTAL (MG/L AS CA)	03/27/74-12/07/93	24	57.5	58.667	75.	44.	73.623	8.58	48.	53.25	64.75	71.
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	03/27/74-12/07/93	22	13.5	13.591	18.	11.	3.396	1.843	11.	12.	15.	16.
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	24	80.	88.833	193.	48.	1253.797	35.409	57.5	64.5	102.5	150.5
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/19/73-12/07/93	12	70.5	70.083	91.	51.	118.811	10.9	51.9	65.25	76.5	88.
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	24 ##	0.1	0.117	0.4	0.1	0.004	0.064	0.1	0.1	0.1	0.15
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	24 ##	15.	16.042	40.	15.	26.042	5.103	15.	15.	15.	15.
01042p	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	24 ##	5.	5.833	25.	5.	16.667	4.082	5.	5.	5.	5.
01045p	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	12	1825.	3772.5	27800.	420.	57924275.	7610.8	468.	765.	2602.5	20279.
01051p	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	24	3.	4.542	35.	1.	45.476	6.744	1.	2.	4.	7.
01067p	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	22 ##	20.	21.364	50.	20.	40.909	6.396	20.	20.	20.	20.
01092p	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	24	15.	21.25	140.	5.	746.717	27.326	5.	10.	20.	40.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	3	5900.	10000.	23000.	1100.	132510000.	11511.299	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	3	3.771	3.725	4.362	3.041	0.437	0.661	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5304.659								
31679p	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/09/73-03/15/90	2	2195.	2195.	4000.	390.	6516050.	2552.655	**	**	**	**
31679p	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	04/09/73-03/15/90	2	3.097	3.097	3.602	2.591	0.511	0.715	**	**	**	**
31679p	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1249.								
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	12 ##	10.	10.917	21.	10.	10.083	3.175	10.	10.	10.	17.7
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/21/80-12/07/93	24	405.	420.083	606.	294.	8177.21	90.428	300.	354.5	502.	556.

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Annual Analysis for 1991 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	14	13.	13.064	24.5	1.5	67.858	8.238	1.5	6.5	21.225	24.25
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	13	238.	633.154	3099.	111.	805755.474	897.639	111.8	151.5	680.	2643.4
00065	STAGE, STREAM (FEET)	03/27/75-12/07/93	13	2.77	3.498	7.97	2.36	2.905	1.704	2.364	2.51	3.76	7.258
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	14	685.	638.929	900.	335.	35054.533	187.229	347.5	472.5	800.	900.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/73-12/07/93	8	782.5	846.	1370.	529.	86107.714	293.441	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	14	9.45	9.807	13.5	6.8	5.821	2.413	7.1	7.5	12.025	13.25
00335p	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	14	13.	14.786	31.	10.	32.797	5.727	10.	11.75	16.	26.5
00400p	PH (STANDARD UNITS)	04/09/73-12/07/93	14	8.095	8.086	8.48	7.8	0.027	0.164	7.87	7.988	8.163	8.375
00400p	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	14	8.095	8.059	8.48	7.8	0.027	0.166	7.87	7.988	8.162	8.375
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	14	0.008	0.009	0.016	0.003	0.	0.003	0.004	0.007	0.01	0.014
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	05/07/73-12/07/93	8	139.	133.25	170.	80.	1179.357	34.342	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	14	29.	47.214	241.	2.5	4008.912	63.316	2.5	8.75	52.75	177.5
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	14	0.085	0.117	0.39	0.025	0.012	0.112	0.025	0.025	0.18	0.315
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	14	0.04	0.046	0.1	0.01	0.001	0.023	0.015	0.03	0.053	0.09
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	14	0.6	0.586	1.1	0.1	0.049	0.221	0.25	0.5	0.7	0.95
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	14	3.49	3.181	5.18	1.12	2.232	1.494	1.16	1.563	4.808	5.08
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	14	0.16	0.174	0.33	0.07	0.005	0.074	0.085	0.118	0.233	0.31
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	20 ##	0.003	0.004	0.01	0.003	0.	0.002	0.003	0.003	0.005	0.01
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	13	252.	233.308	321.	154.	2609.564	51.084	159.6	178.	266.5	302.6
00916p	CALCIUM, TOTAL (MG/L AS CA)	03/27/74-12/07/93	19	69.1	66.563	94.	45.	154.679	12.437	49.	52.9	75.	79.
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	03/27/74-12/07/93	20	17.	16.	21.	10.	10.325	3.213	11.1	12.325	18.	19.9
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	14	117.5	127.357	238.	65.	1964.093	44.318	73.	102.75	141.75	214.
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/19/73-12/07/93	6	80.	81.167	113.	52.	767.367	27.701	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	20 ##	0.1	0.51	1.5	0.1	0.386	0.621	0.1	0.1	1.375	1.5
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	20 ##	15.	12.825	40.	1.	70.06	8.37	3.05	4.375	15.	15.
01042p	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	20 ##	5.	5.375	15.	2.5	5.865	2.422	2.75	5.	5.375	5.95
01045p	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	14	751.5	1259.857	5660.	430.	1795087.516	1339.809	445.	653.25	1445.	3775.
01051p	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	20	3.	3.55	17.	1.	13.103	3.62	1.	1.	4.75	6.
01067p	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	20 ##	20.	15.45	20.	2.	54.339	7.372	3.	6.375	20.	20.
01092p	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	20	20.	29.4	95.	10.	508.568	22.551	15.3	20.	31.	84.7
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	3	280.	14493.333	43000.	200.	609474133.333	24687.53	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	3	2.447	3.127	4.633	2.301	1.707	1.306	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1340.352								
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	14 ##	5.	7.	23.	5.	24.462	4.946	5.	5.	6.25	16.5
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/21/80-12/07/93	14	573.	523.286	804.	324.	21943.758	148.134	330.	350.	618.5	729.

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Annual Analysis for 1992 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	11	9.5	11.318	21.5	3.	50.314	7.093	3.	3.5	18.5	21.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	10	999.5	1259.2	4672.	169.	1656207.289	1286.937	188.1	400.5	1428.75	4368.9
00065	STAGE, STREAM (FEET)	03/27/75-12/07/93	11	3.98	4.495	10.95	2.56	5.465	2.338	2.562	2.71	4.76	9.814
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	11	450.	521.818	810.	340.	30421.364	174.417	342.	365.	700.	808.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/73-12/07/93	11	722.	727.182	1150.	377.	47727.364	218.466	394.6	600.	908.	1107.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	11	10.6	10.264	13.	7.4	3.225	1.796	7.52	8.7	11.8	12.84
00335p	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	11	24.	24.455	33.	16.	39.273	6.267	16.	17.	31.	32.6
00400p	PH (STANDARD UNITS)	04/09/73-12/07/93	11	7.82	7.8	8.	7.57	0.021	0.145	7.576	7.7	7.9	8.
00400p	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	11	7.82	7.778	8.	7.57	0.022	0.147	7.576	7.7	7.9	8.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	11	0.015	0.017	0.027	0.01	0.	0.006	0.01	0.013	0.02	0.027
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	05/07/73-12/07/93	11	120.	125.364	178.	83.	738.855	27.182	86.6	106.	144.	173.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	11	20.	91.318	732.	2.5	45577.314	213.488	3.4	10.	60.	597.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	10	0.125	0.159	0.43	0.025	0.014	0.117	0.028	0.073	0.223	0.41
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	10	0.055	0.06	0.13	0.02	0.001	0.037	0.02	0.02	0.093	0.127
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	11	0.6	0.599	1.	0.09	0.057	0.239	0.152	0.5	0.8	0.96
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	11	1.94	2.345	4.62	0.8	1.542	1.242	0.88	1.49	3.72	4.514

** - Less than 9 observations ## - Computed with 50% or 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 CUVA0203

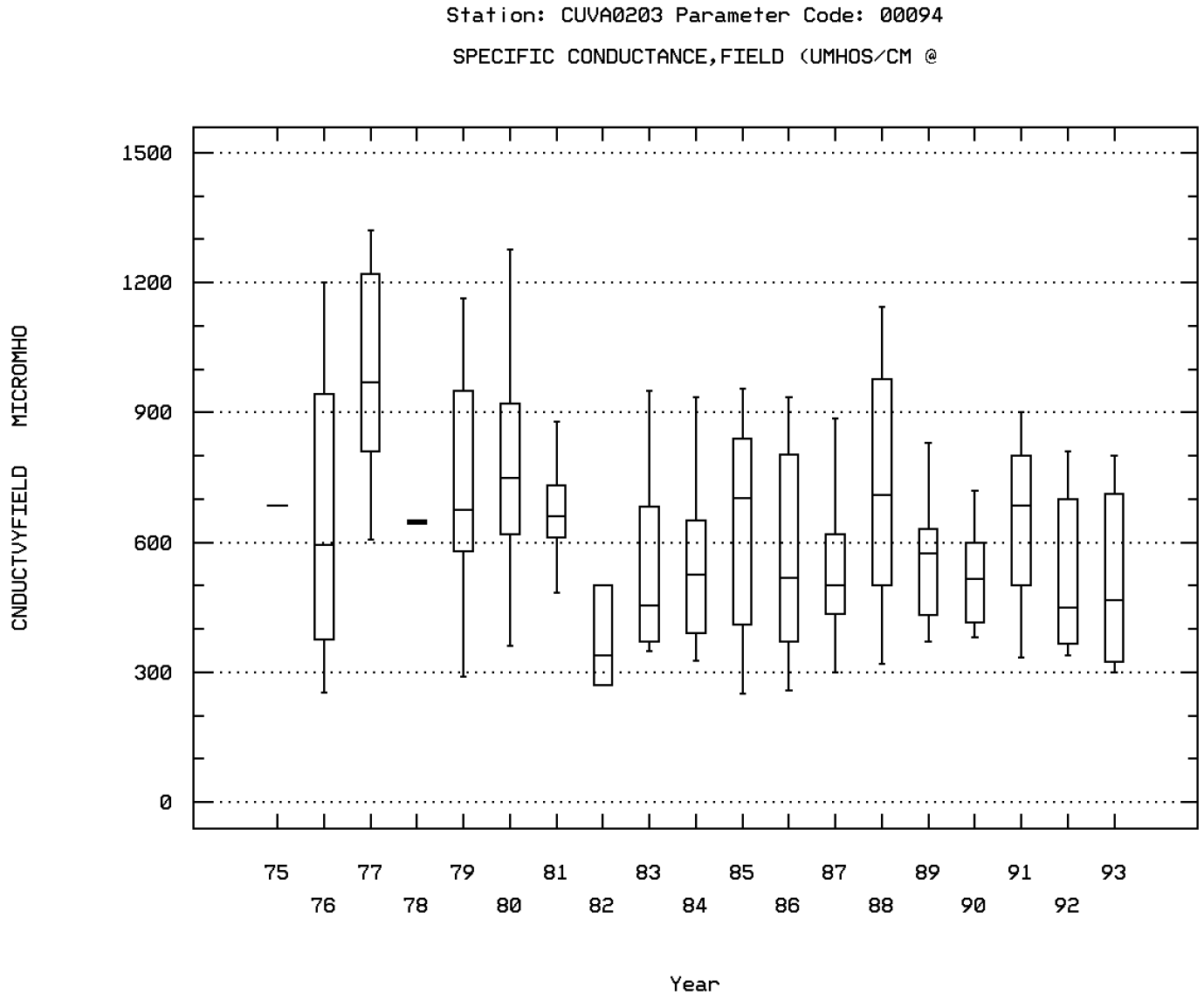
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	11	0.11	0.135	0.37	0.07	0.007	0.084	0.07	0.08	0.15	0.328
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	6 ##	0.004	0.004	0.006	0.003	0.	0.002	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	11	203.	213.091	311.	155.	2151.491	46.384	155.8	184.	255.	300.8
00916p	CALCIUM, TOTAL (MG/L AS CA)	03/27/74-12/07/93	11	60.	62.091	90.	44.	181.691	13.479	44.6	54.	74.	87.2
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	03/27/74-12/07/93	11	13.	13.818	21.	10.	10.564	3.25	10.2	12.	17.	20.2
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	11	106.	101.636	186.	40.	1920.855	43.828	41.6	67.	133.	176.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/19/73-12/07/93	11	80.	81.273	131.	46.	588.618	24.261	46.6	68.	97.	125.6
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	11 ##	0.1	0.164	0.5	0.1	0.021	0.143	0.1	0.1	0.1	0.48
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	11 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042p	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	11 ##	5.	6.	16.	5.	11.	3.317	5.	5.	5.	13.8
01045p	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	11	1200.	3729.636	26700.	400.	58809693.655	7668.748	444.6	770.	2750.	21920.
01051p	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	11 ##	1.	4.455	32.	1.	84.673	9.202	1.	1.	3.	26.4
01067p	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	10 ##	20.	23.9	59.	20.	152.1	12.333	20.	20.	20.	55.1
01092p	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	11	15.	24.545	121.	5.	1062.473	32.596	5.	11.	22.	101.8
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	4	815.	1350.	3200.	570.	1548466.667	1244.374	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	4	2.904	3.017	3.505	2.756	0.115	0.339	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1040.741								
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/21/80-12/07/93	11	430.	433.818	662.	250.	13881.964	117.822	260.8	360.	548.	639.6

** - 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

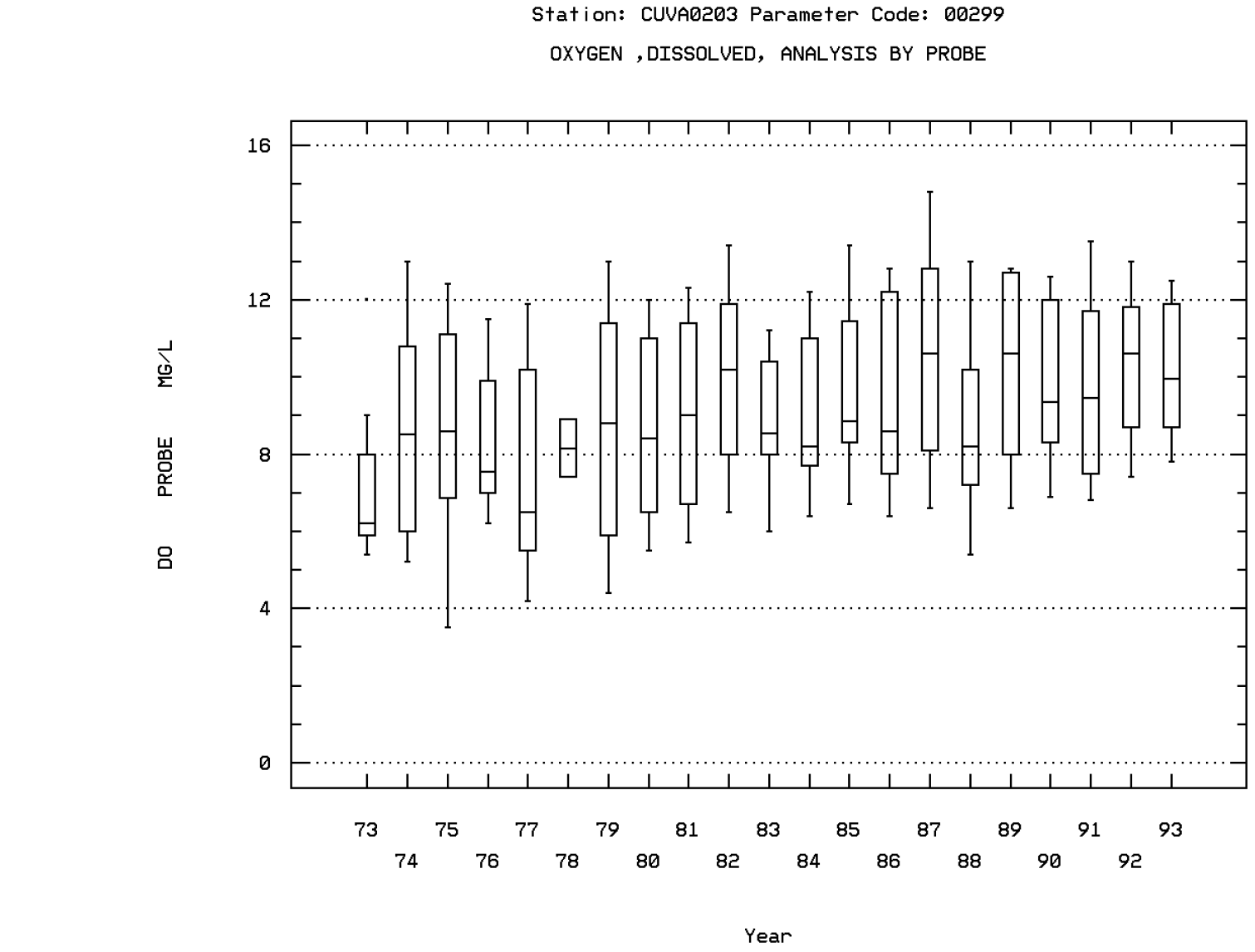
Annual Analysis for 1993 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	12	9.75	11.817	22.	1.5	59.631	7.722	1.95	4.5	20.7	22.
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	7	1338.	1414.429	2347.	626.	342732.952	585.434	**	**	**	**
00065	STAGE, STREAM (FEET)	03/27/75-12/07/93	6	4.16	4.17	5.6	2.65	1.368	1.17	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	12	467.5	507.5	800.	300.	38325.	195.768	306.	322.5	731.25	794.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/73-12/07/93	12	557.5	660.333	936.	460.	34706.606	186.297	470.8	501.75	845.75	932.7
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	12	9.95	10.142	12.5	7.8	2.883	1.698	7.89	8.7	11.95	12.47
00335p	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	12	16.5	16.5	26.	5.	30.273	5.502	6.5	14.	19.75	24.8
00400p	PH (STANDARD UNITS)	04/09/73-12/07/93	11	7.9	8.007	8.4	7.7	0.053	0.229	7.72	7.86	8.21	8.38
00400p	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	11	7.9	7.958	8.4	7.7	0.055	0.235	7.72	7.86	8.21	8.38
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	11	0.013	0.011	0.02	0.004	0.	0.005	0.004	0.006	0.014	0.019
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	05/07/73-12/07/93	11	111.	119.636	158.	77.	806.655	28.402	80.8	99.	152.	157.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	11	27.	25.955	51.	2.5	276.923	16.641	3.4	10.	39.	49.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	12	0.065	0.065	0.12	0.025	0.001	0.036	0.025	0.025	0.098	0.12
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	12	0.05	0.053	0.11	0.02	0.001	0.026	0.023	0.033	0.068	0.104
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	12	0.6	0.633	1.1	0.4	0.033	0.183	0.43	0.5	0.7	1.01
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	12	1.765	2.502	5.39	0.78	2.431	1.559	0.819	1.48	3.935	5.213
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	12	0.1	0.096	0.2	0.025	0.002	0.048	0.025	0.07	0.12	0.179
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	12 ##	0.003	0.003	0.003	0.003	0.	0.	0.003	0.003	0.003	0.003
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	12	184.	203.	265.	134.	2379.455	48.78	140.6	161.75	254.25	264.7
00916p	CALCIUM, TOTAL (MG/L AS CA)	03/27/74-12/07/93	12	53.	59.167	78.	39.	197.242	14.044	41.1	47.75	73.75	77.4
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	03/27/74-12/07/93	12	12.5	13.417	18.	9.	11.174	3.343	9.3	10.25	17.	17.7
00940p	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	12	68.5	81.083	132.	37.	959.538	30.976	43.	58.5	116.25	129.
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/19/73-12/07/93	12	69.5	72.75	103.	46.	355.477	18.854	47.8	56.25	89.75	100.6
01027p	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	12 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
01034p	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	12 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042p	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	12 ##	5.	5.833	15.	5.	8.333	2.887	5.	5.	5.	12.
01045p	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	12	1675.	1642.5	3660.	378.	925127.182	961.835	420.3	649.75	2205.	3327.
01051p	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	12 ##	1.	1.833	4.	1.	1.242	1.115	1.	1.	3.	3.7
01067p	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	12 ##	20.	20.	20.	20.	0.	0.	20.	20.	20.	20.
01092p	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	12	14.	17.	36.	6.	77.091	8.78	7.2	10.5	21.75	34.2
32730p	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	12 ##	5.	8.	23.	5.	49.091	7.006	5.	5.	5.	23.
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/21/80-12/07/93	12	332.	407.	576.	256.	14249.818	119.373	274.	316.5	541.	568.8

** - 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



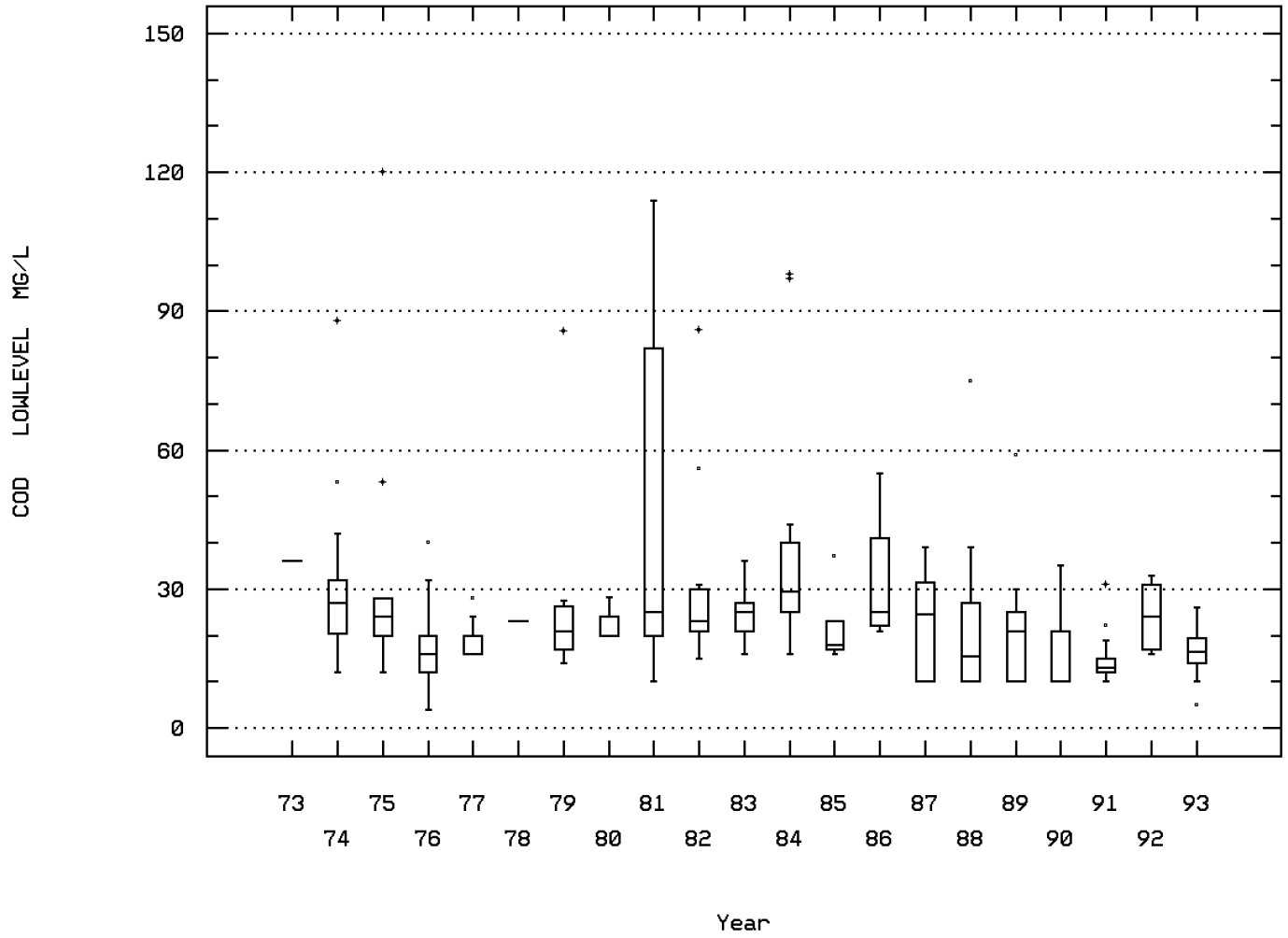
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



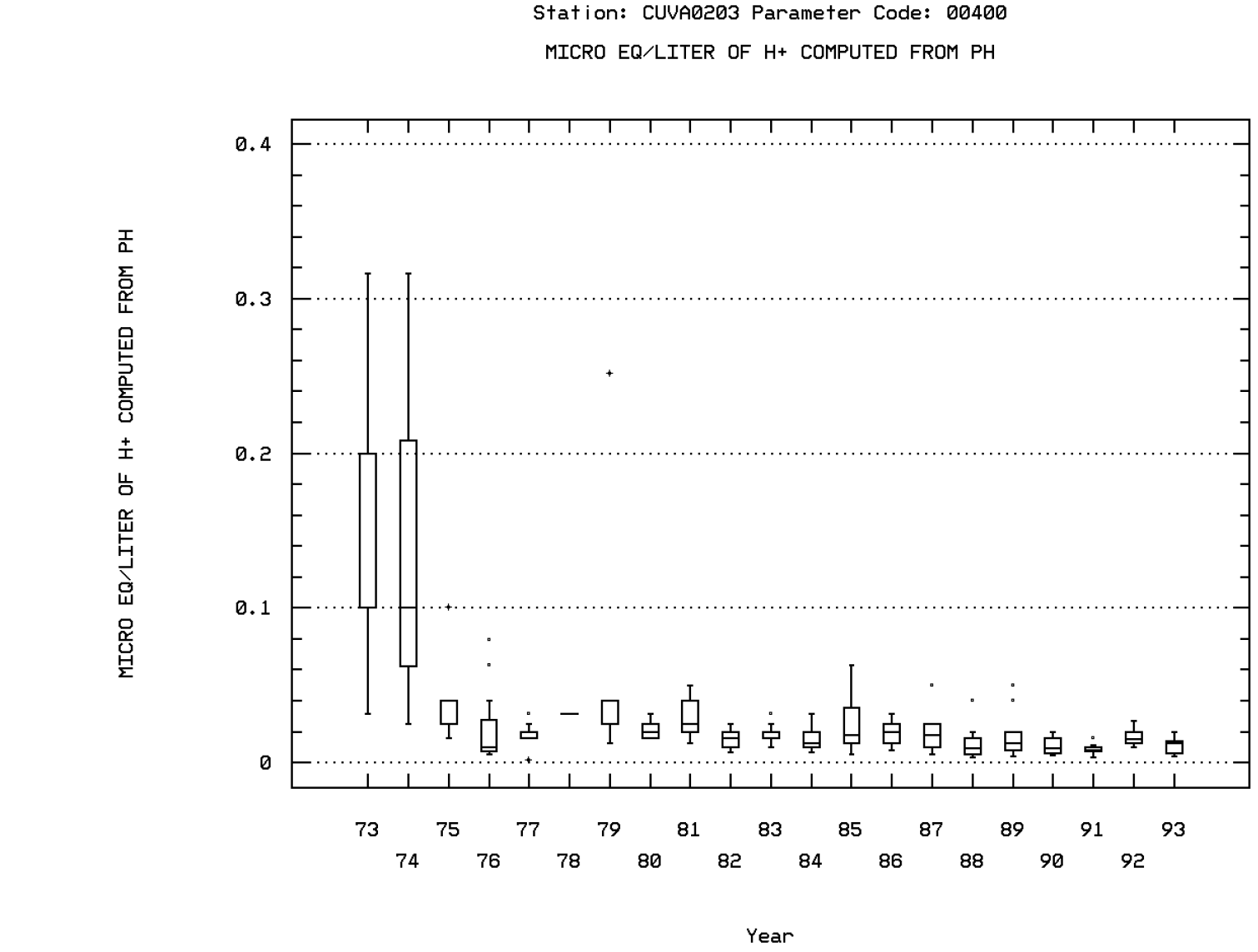
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS

Station: CUVA0203 Parameter Code: 00335

COD, .025N K2CR207



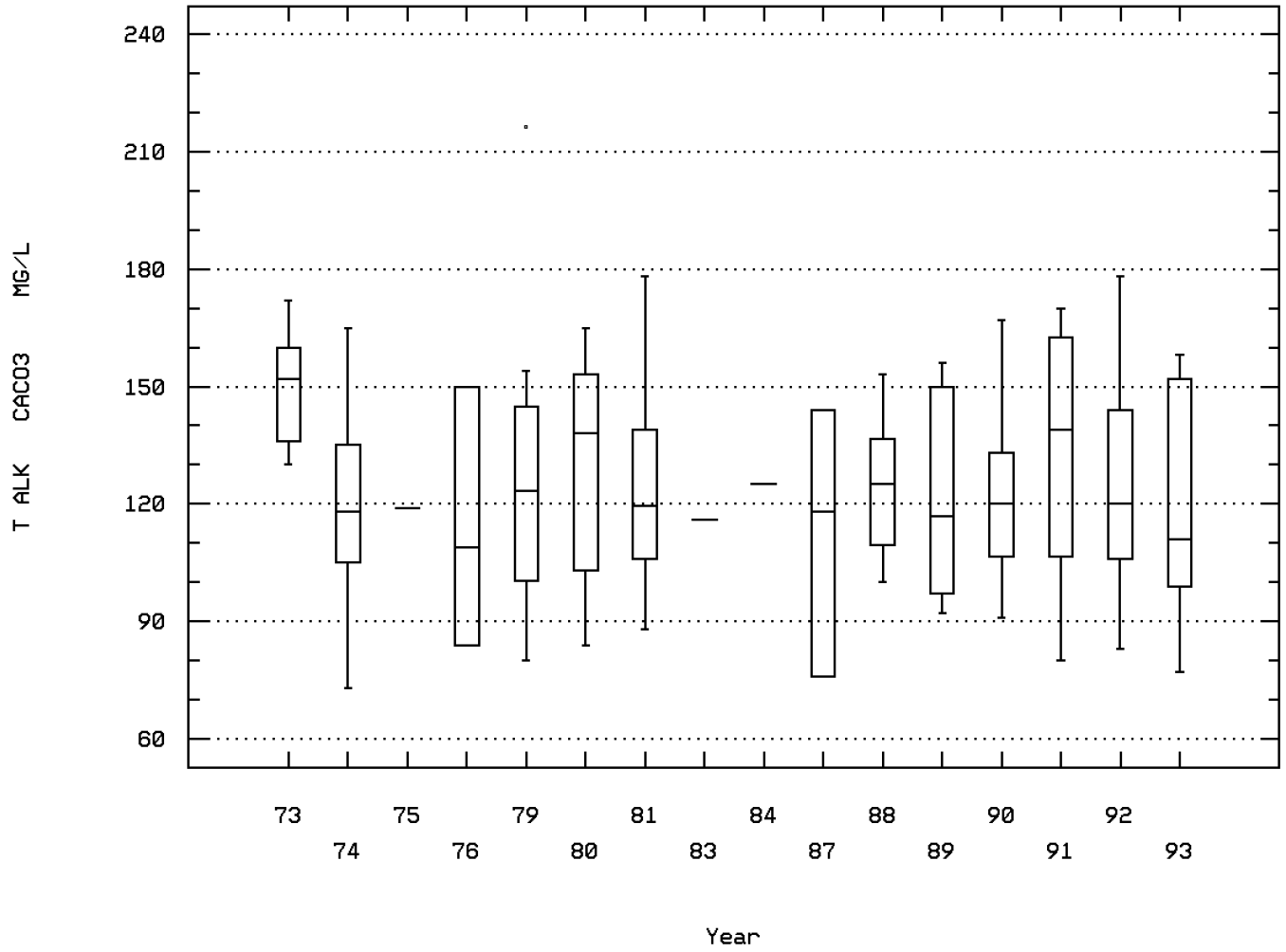
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS

Station: CUVA0203 Parameter Code: 00410

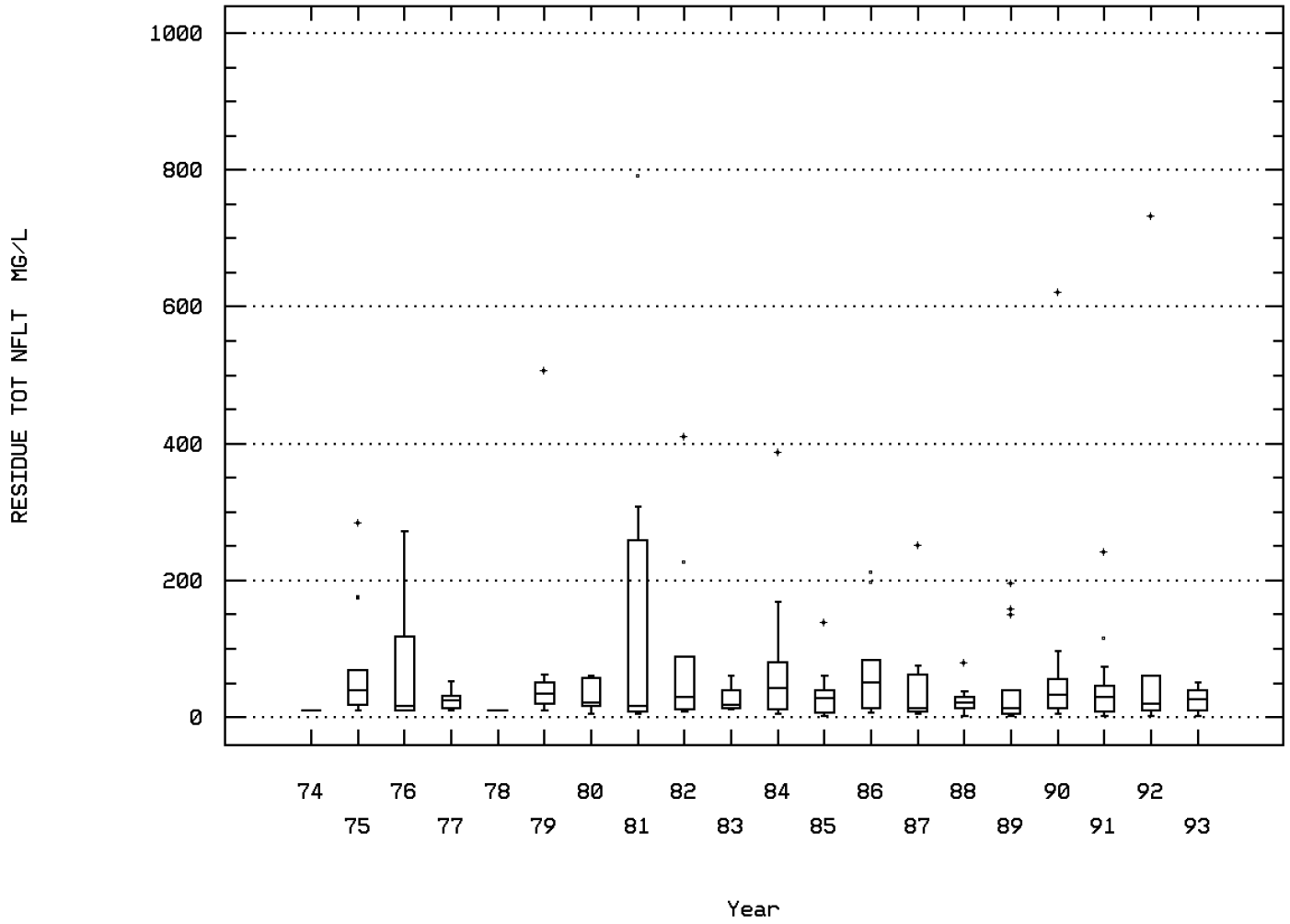
ALKALINITY, TOTAL (MG/L AS CACO3)



CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS

Station: CUVA0203 Parameter Code: 00530

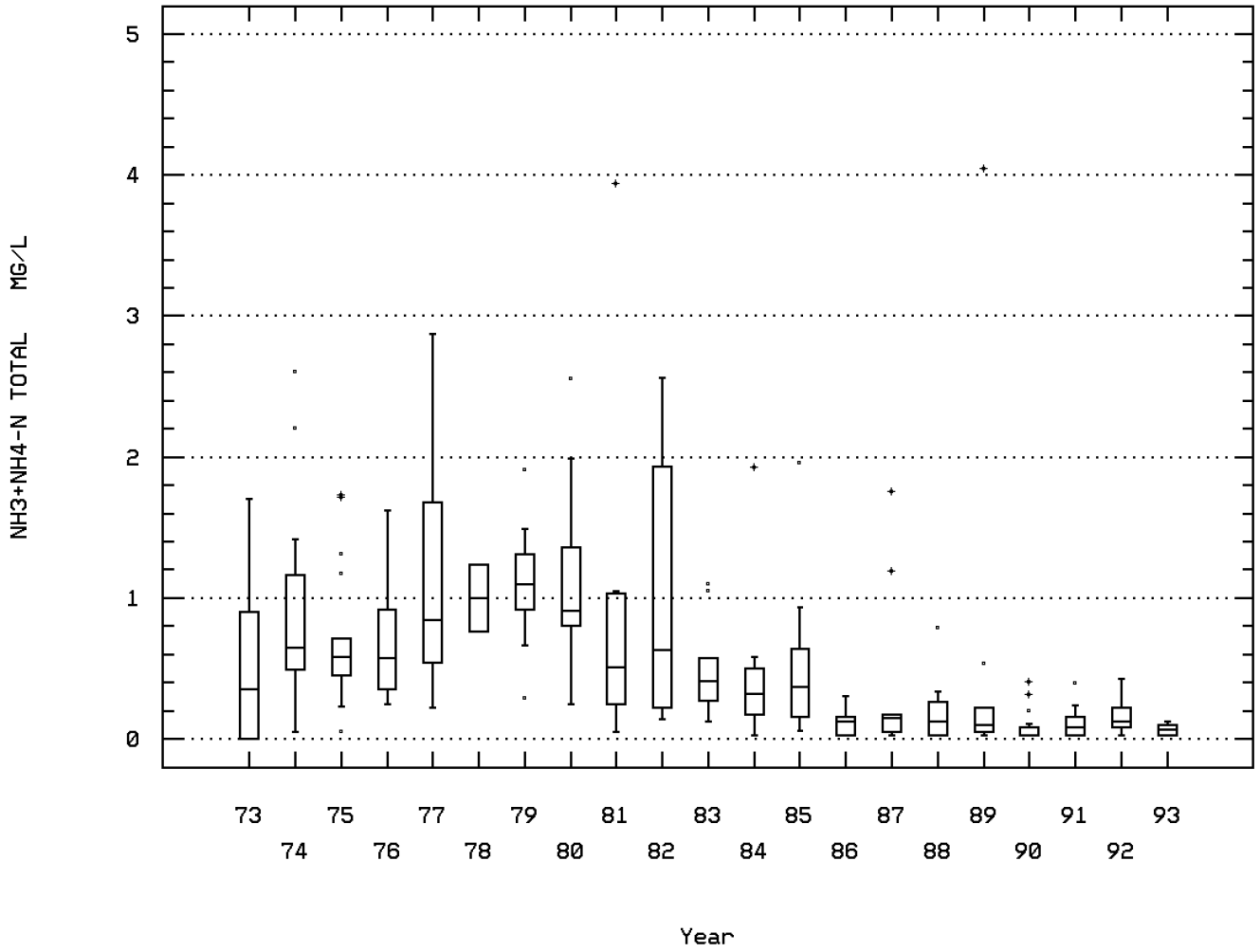
RESIDUE, TOTAL NONFILTRABLE (MG/L)



CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS

Station: CUVA0203 Parameter Code: 00610

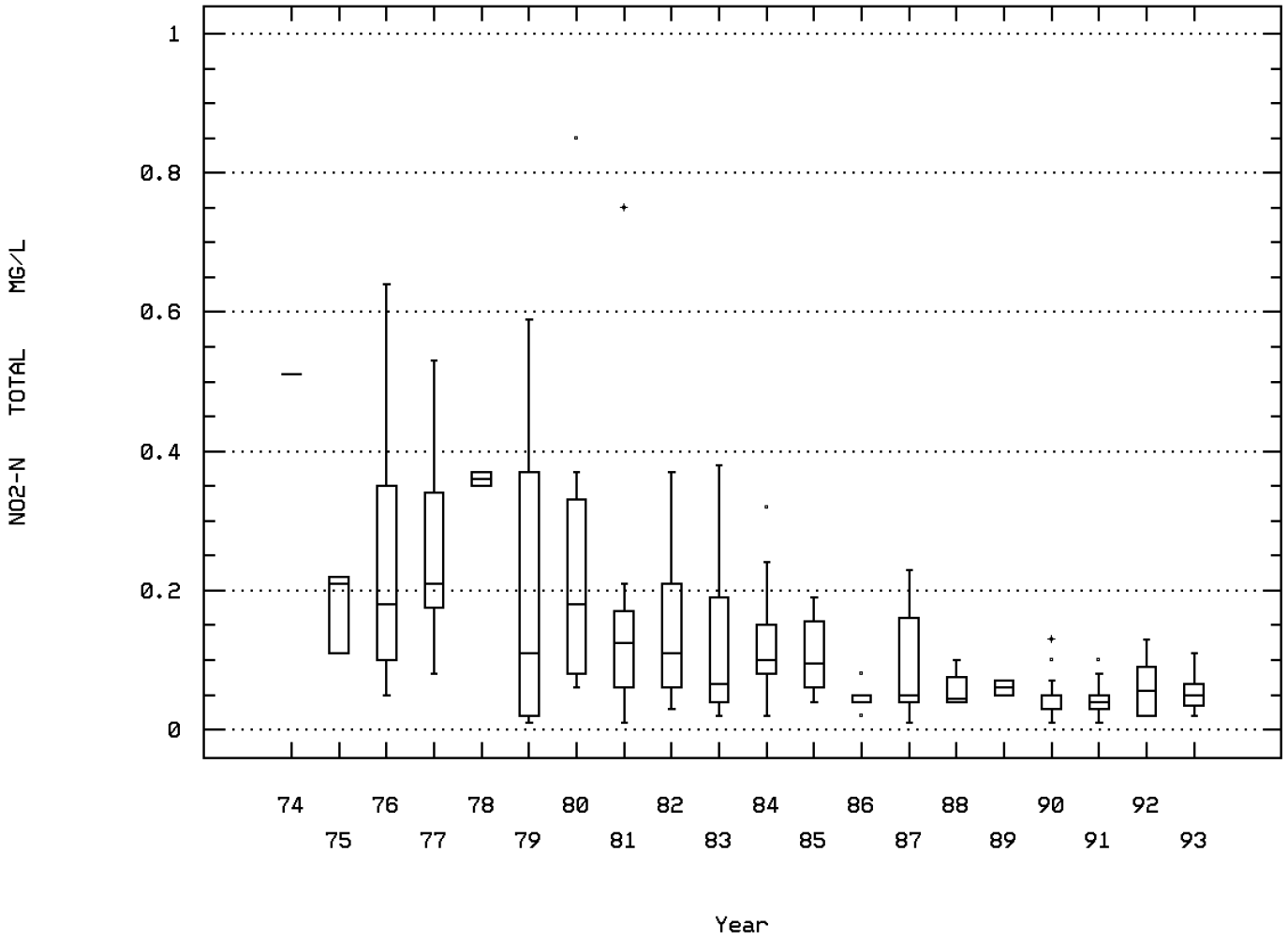
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS

Station: CUVA0203 Parameter Code: 00615

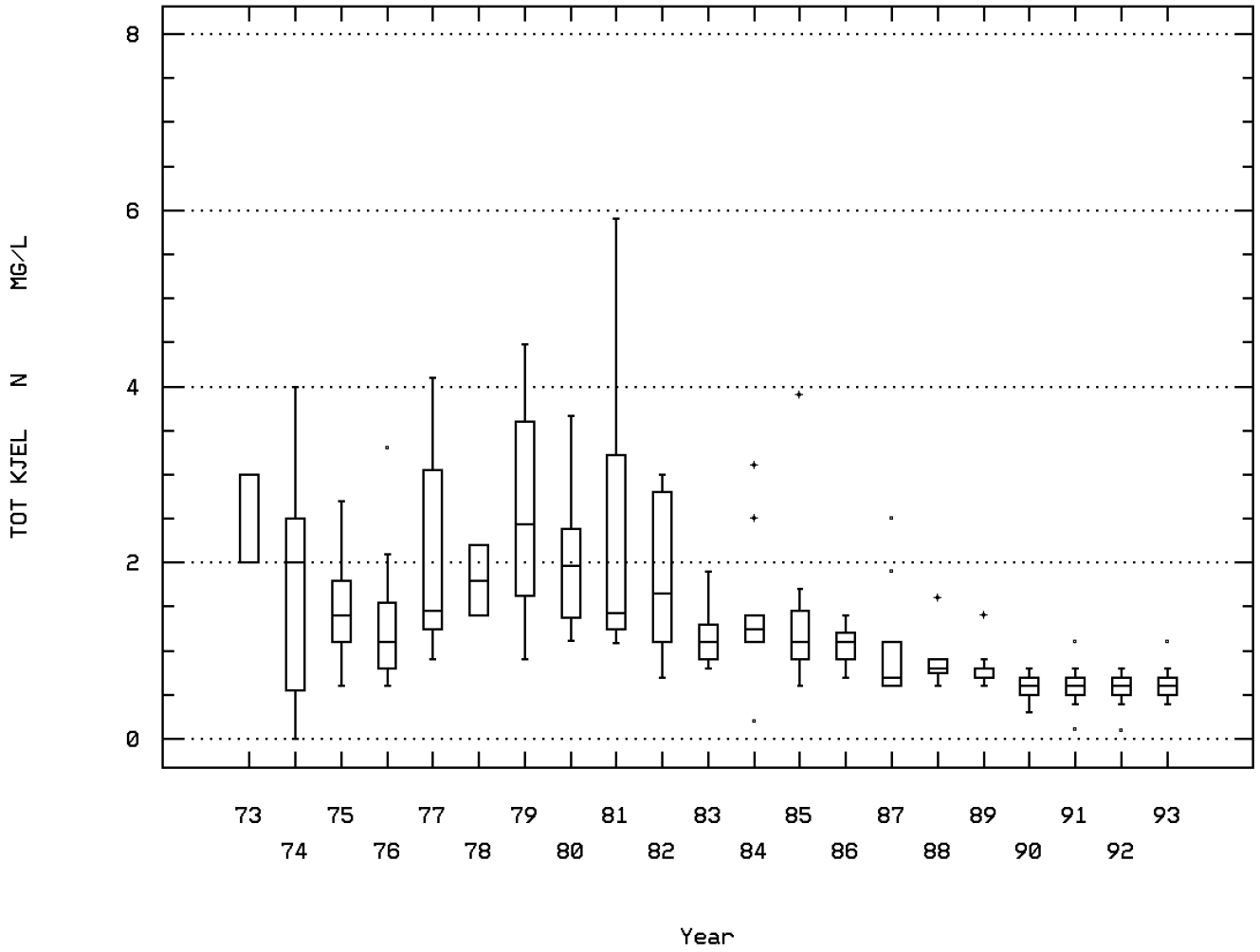
NITRITE NITROGEN, TOTAL (MG/L AS N)



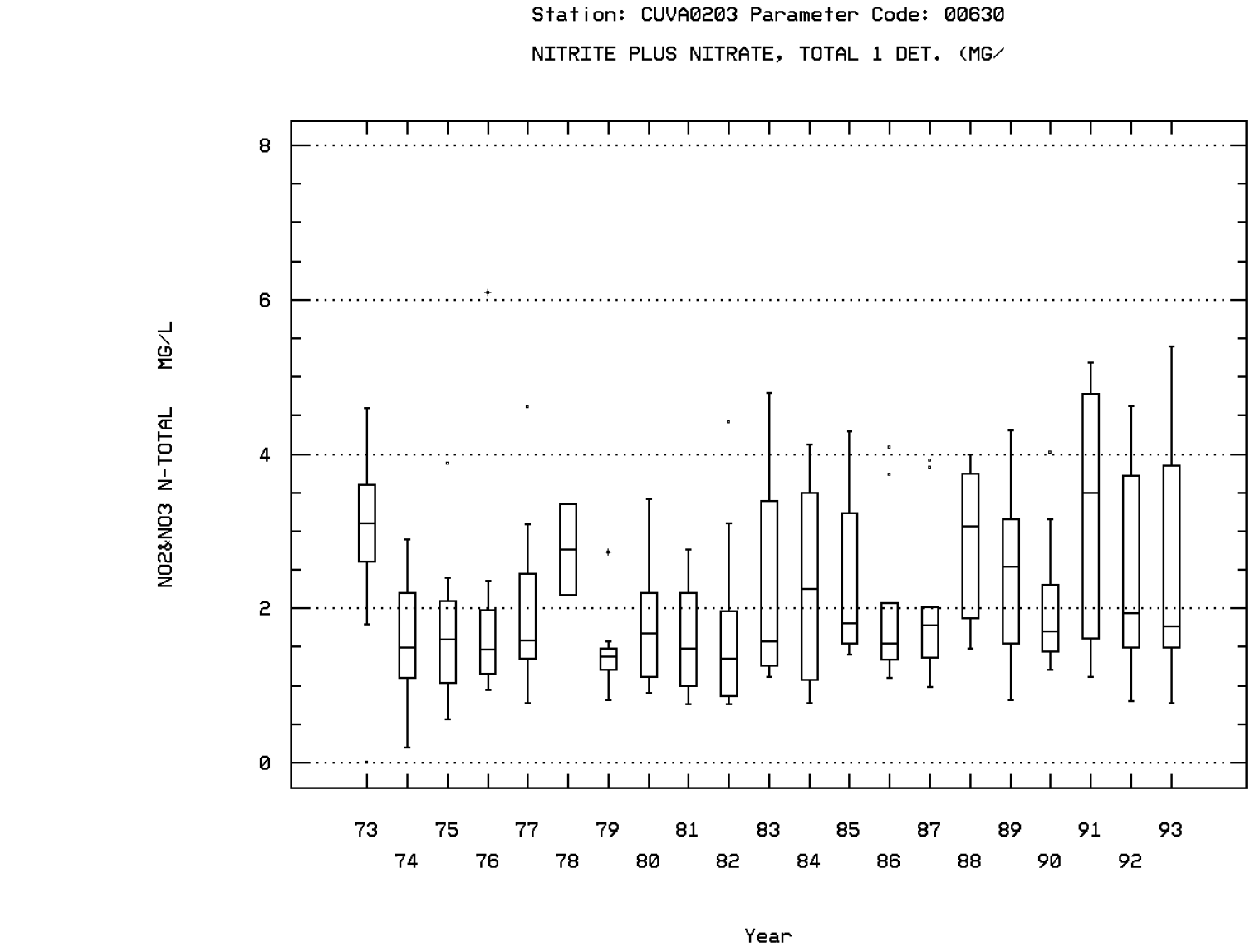
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS

Station: CUVA0203 Parameter Code: 00625

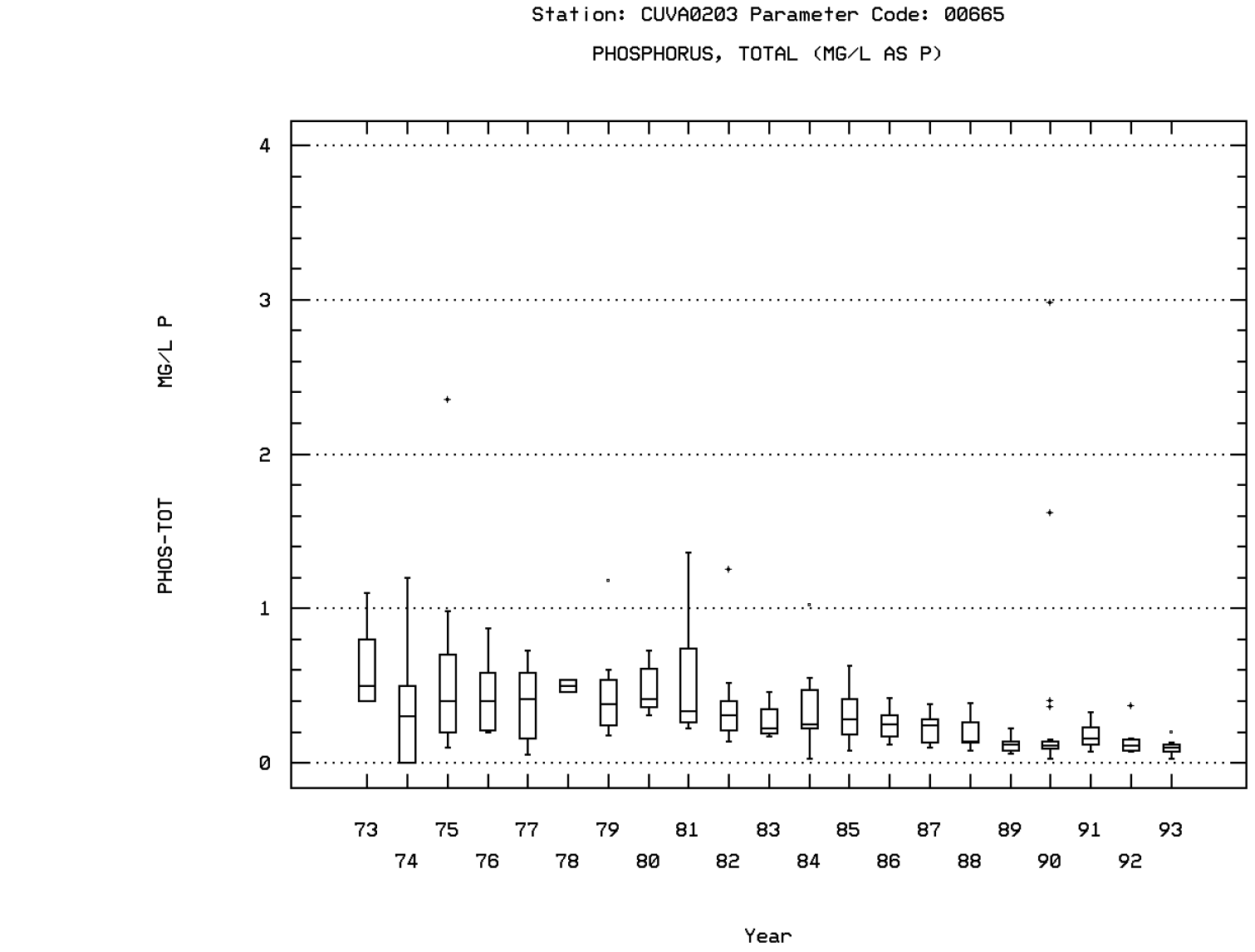
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



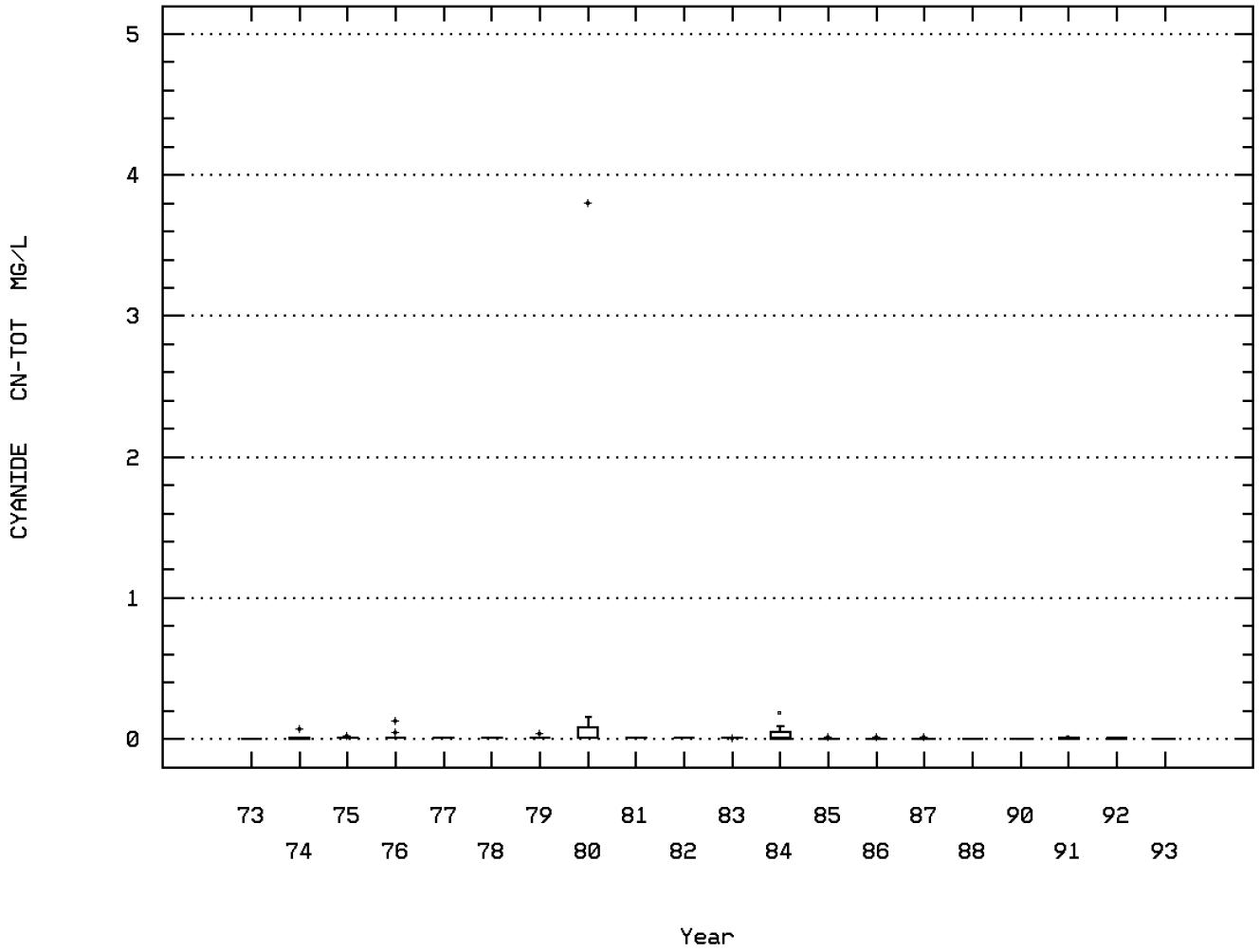
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



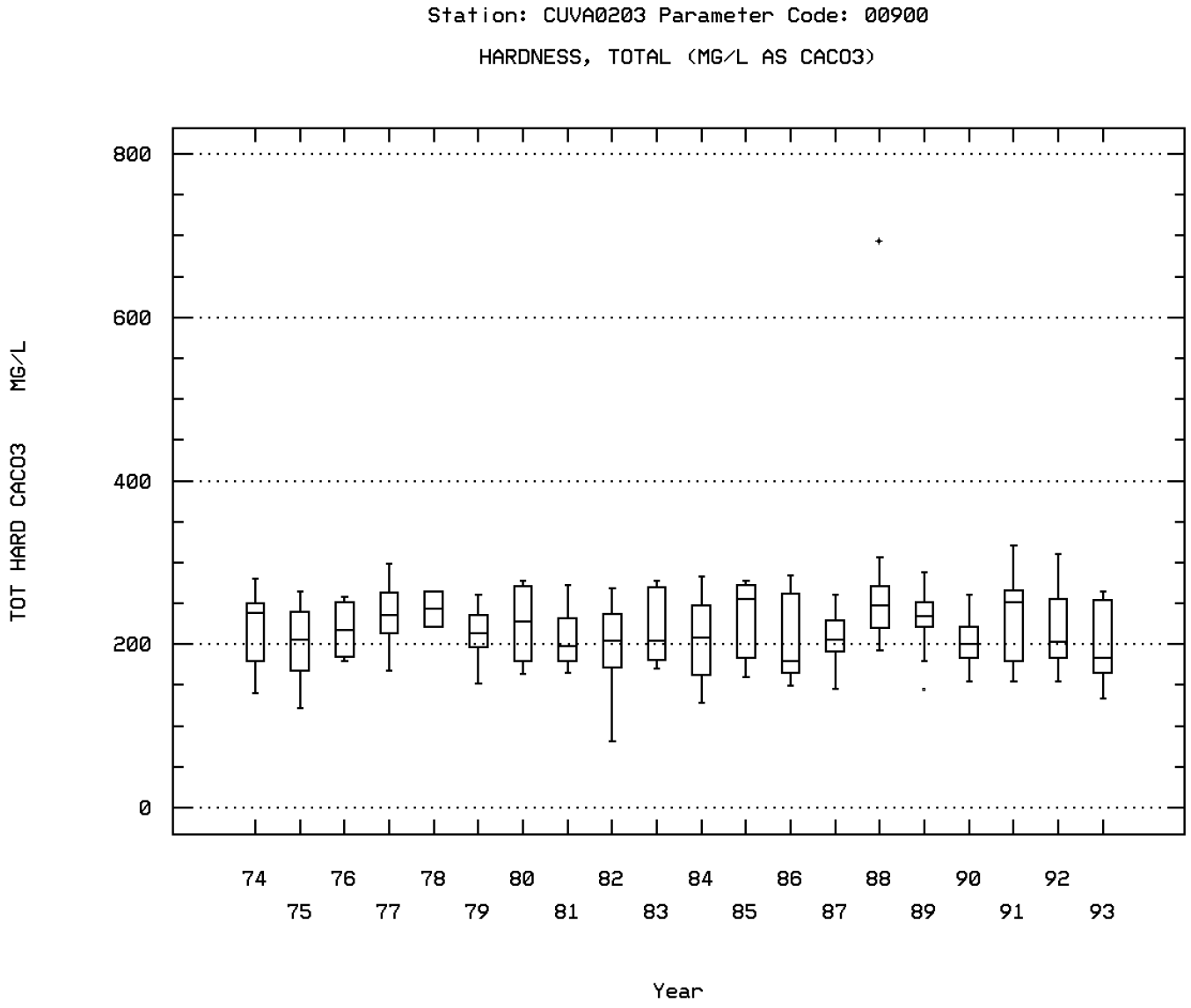
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS

Station: CUVA0203 Parameter Code: 00720

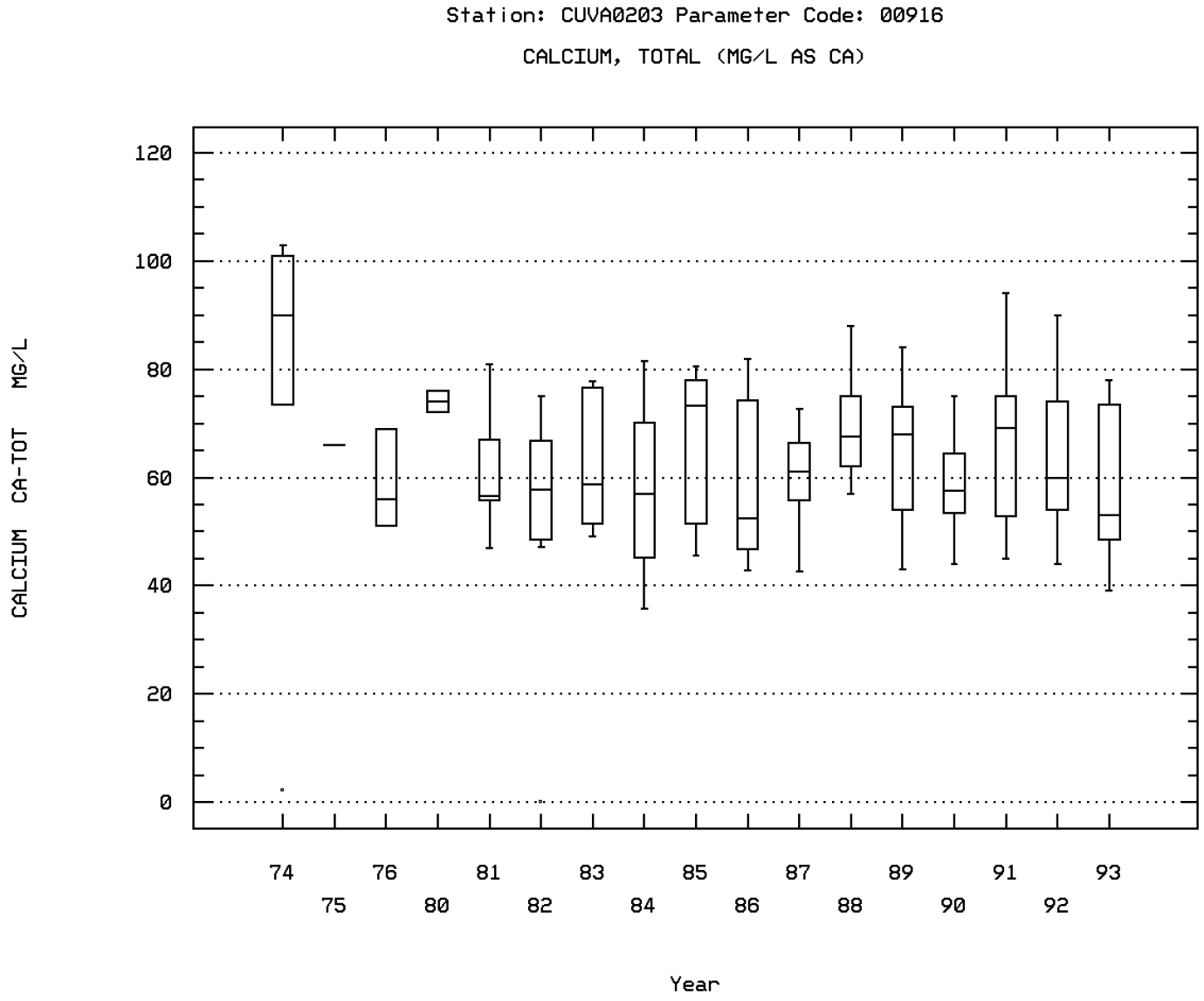
CYANIDE, TOTAL (MG/L AS CN)



CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



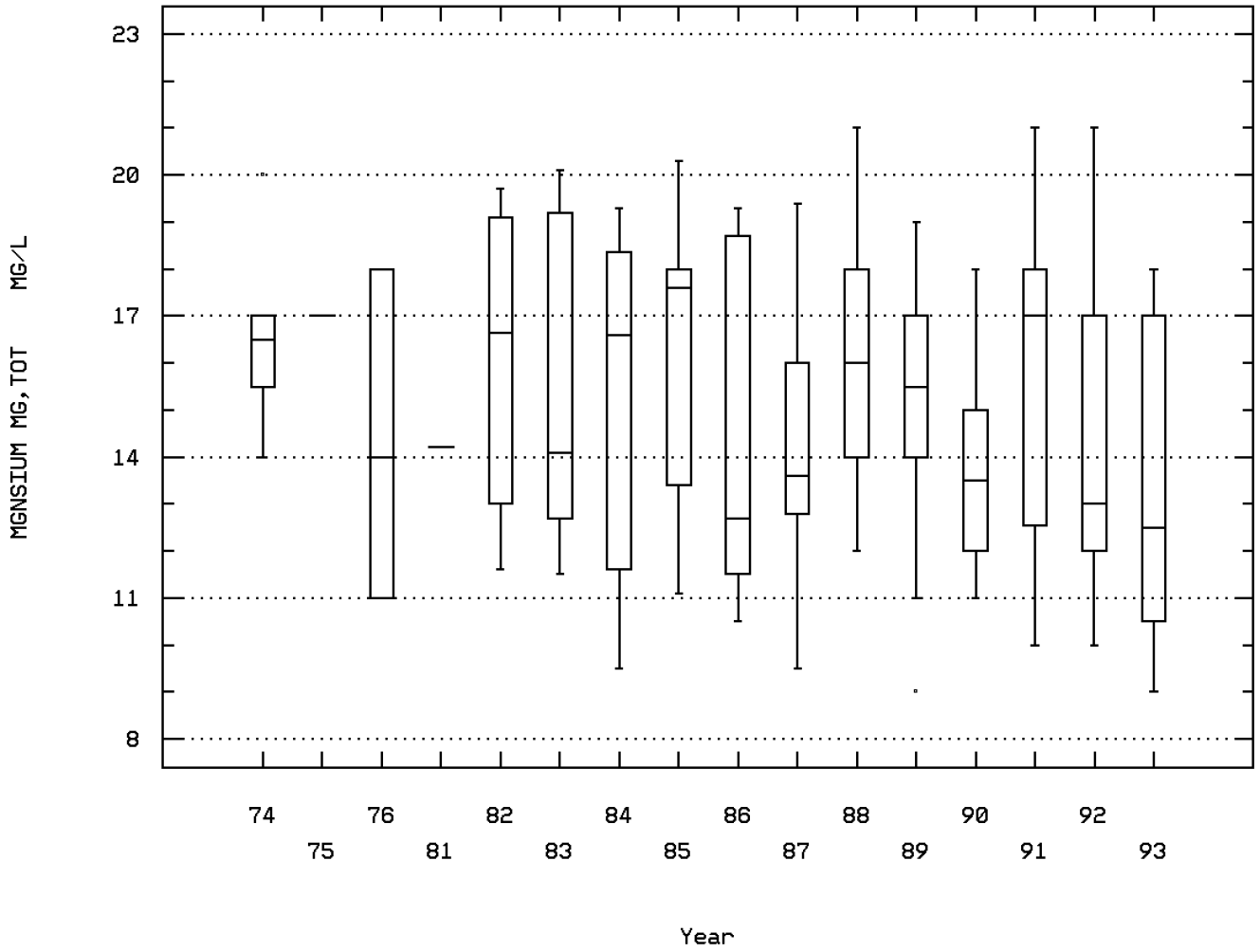
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS

Station: CUVA0203 Parameter Code: 00927

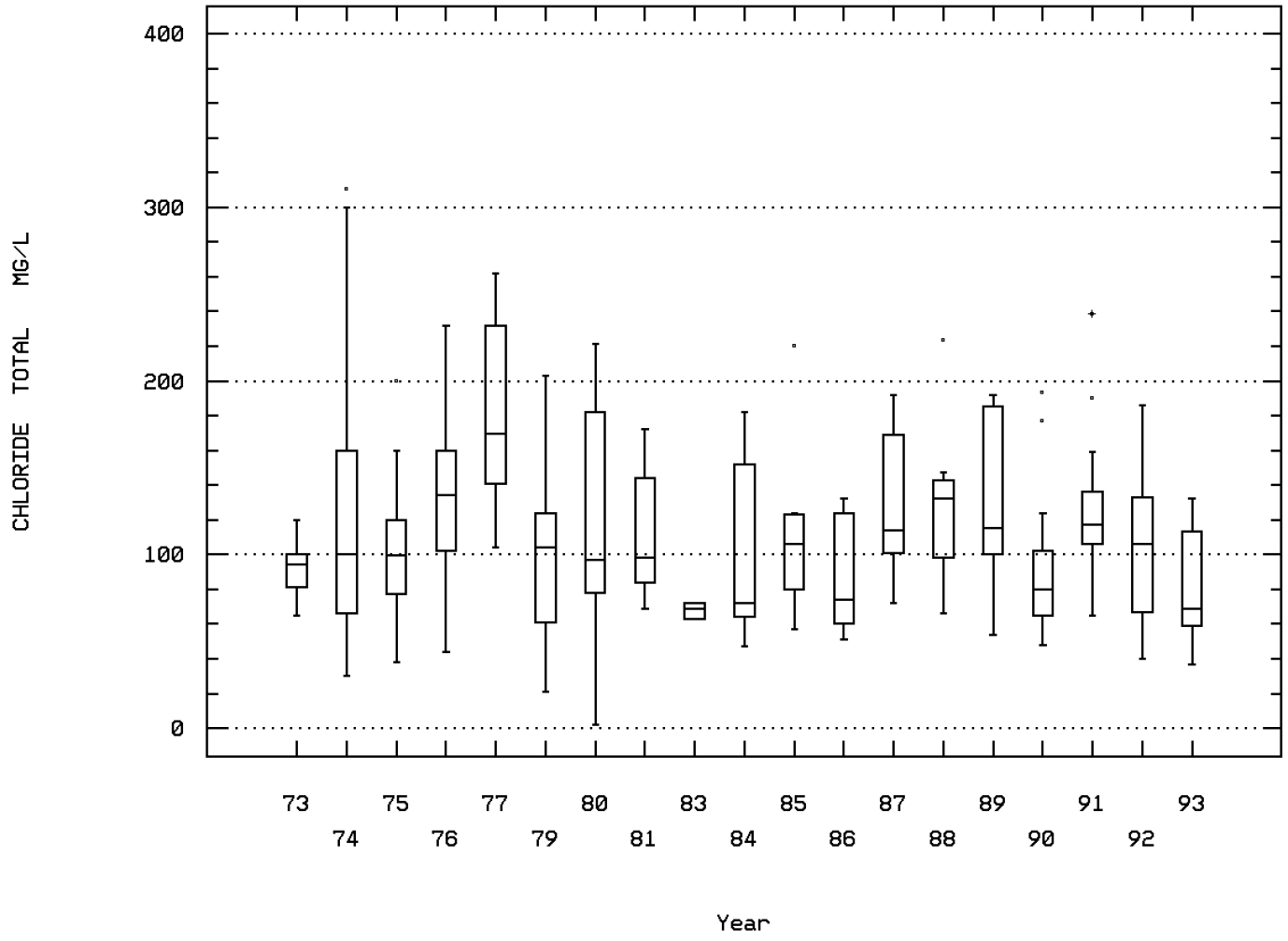
MAGNESIUM, TOTAL (MG/L AS MG)



CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS

Station: CUVA0203 Parameter Code: 00940

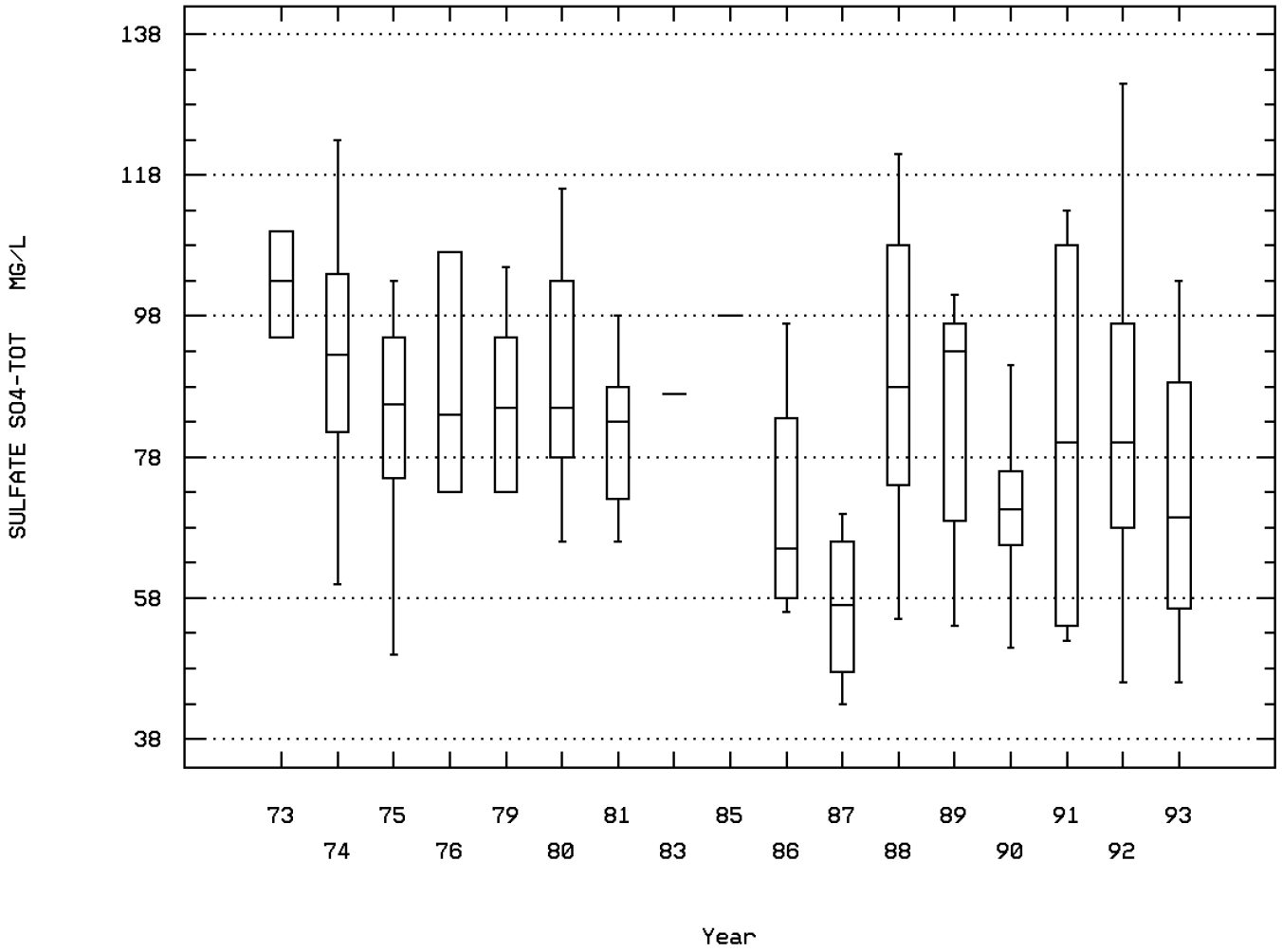
CHLORIDE,TOTAL IN WATER



CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS

Station: CUVA0203 Parameter Code: 00945

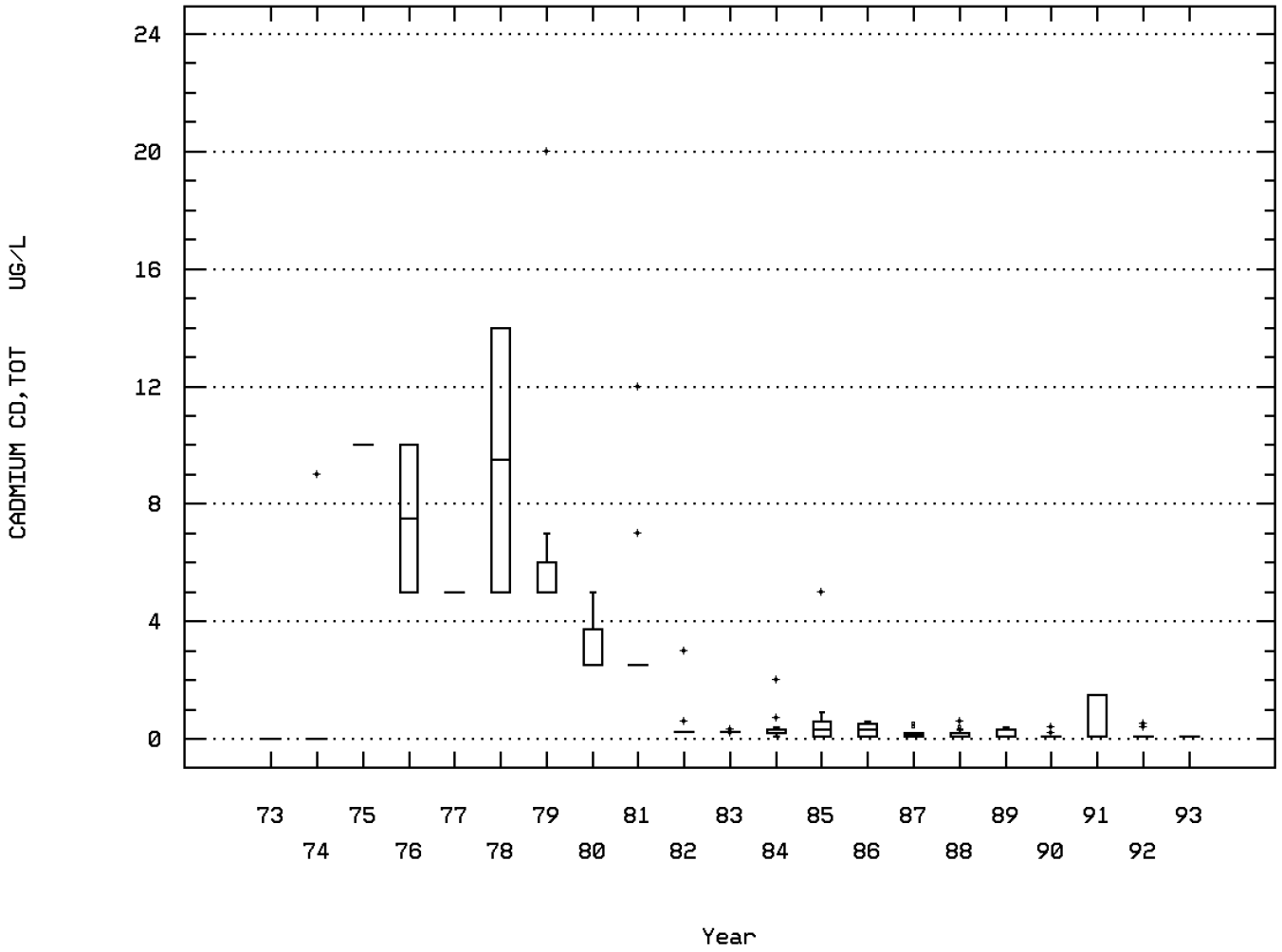
SULFATE, TOTAL (MG/L AS SO4)



CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS

Station: CUVA0203 Parameter Code: 01027

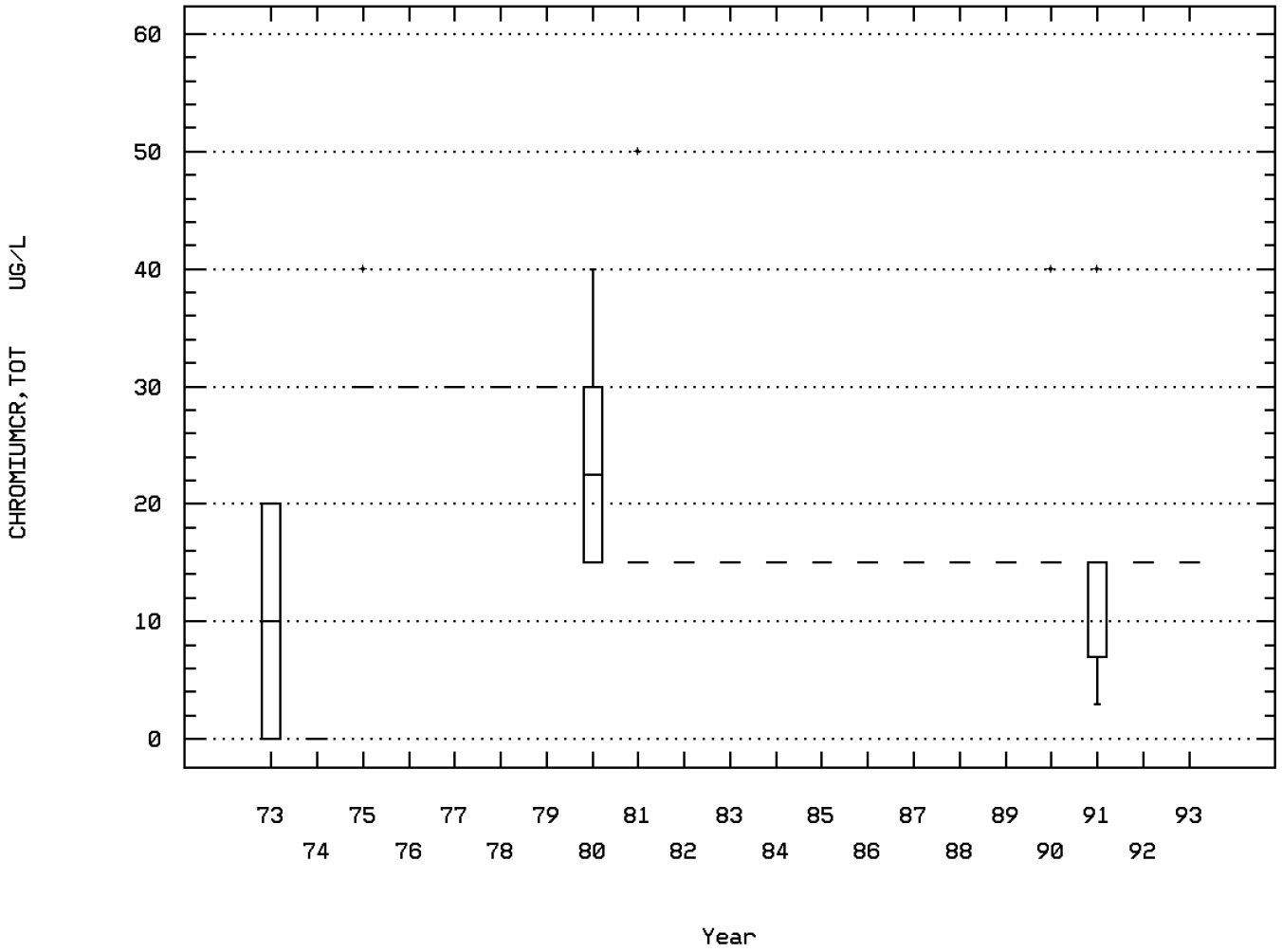
CADMIUM, TOTAL (UG/L AS CD)



CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS

Station: CUVA0203 Parameter Code: 01034

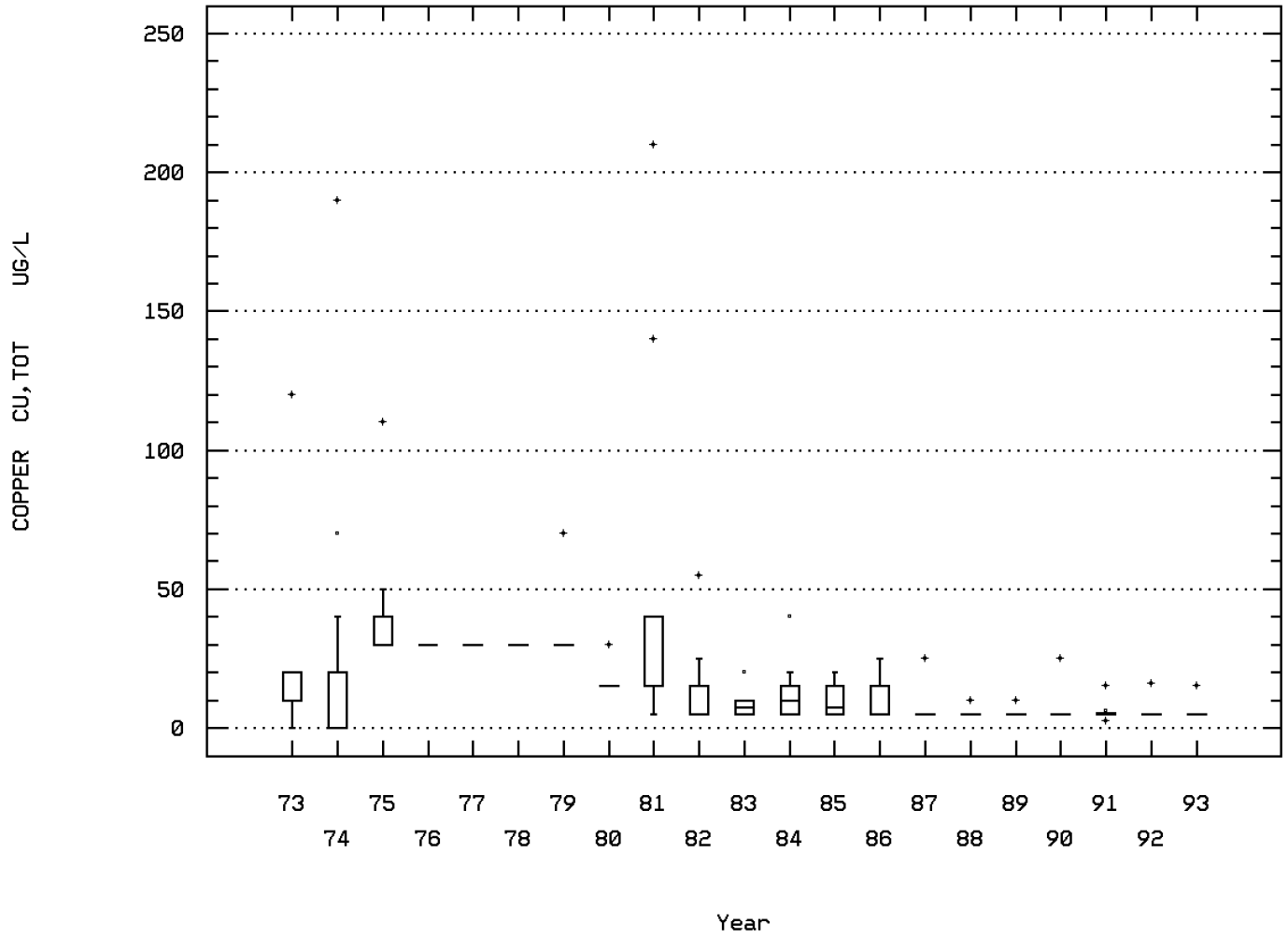
CHROMIUM, TOTAL (UG/L AS CR)



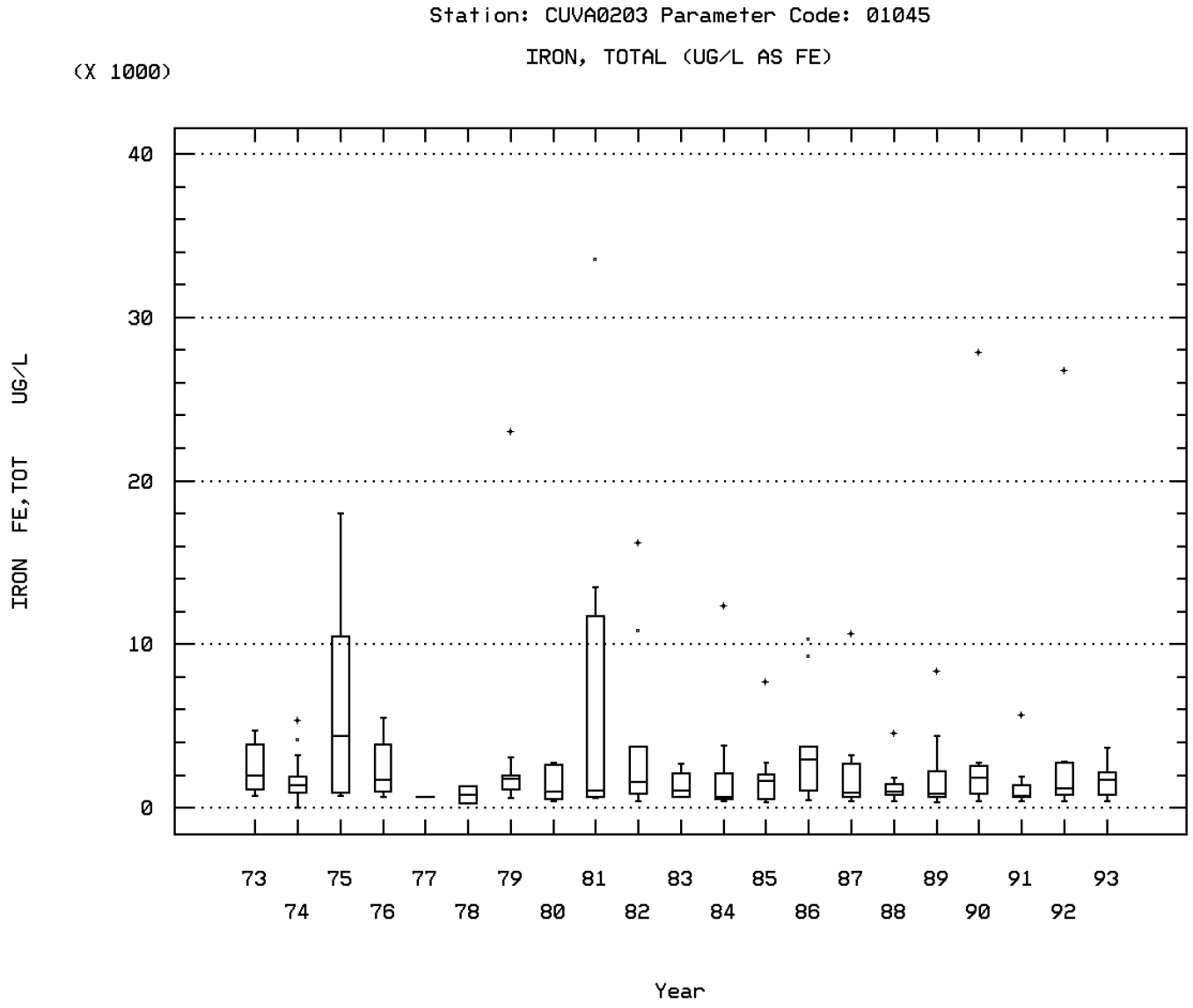
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS

Station: CUVA0203 Parameter Code: 01042

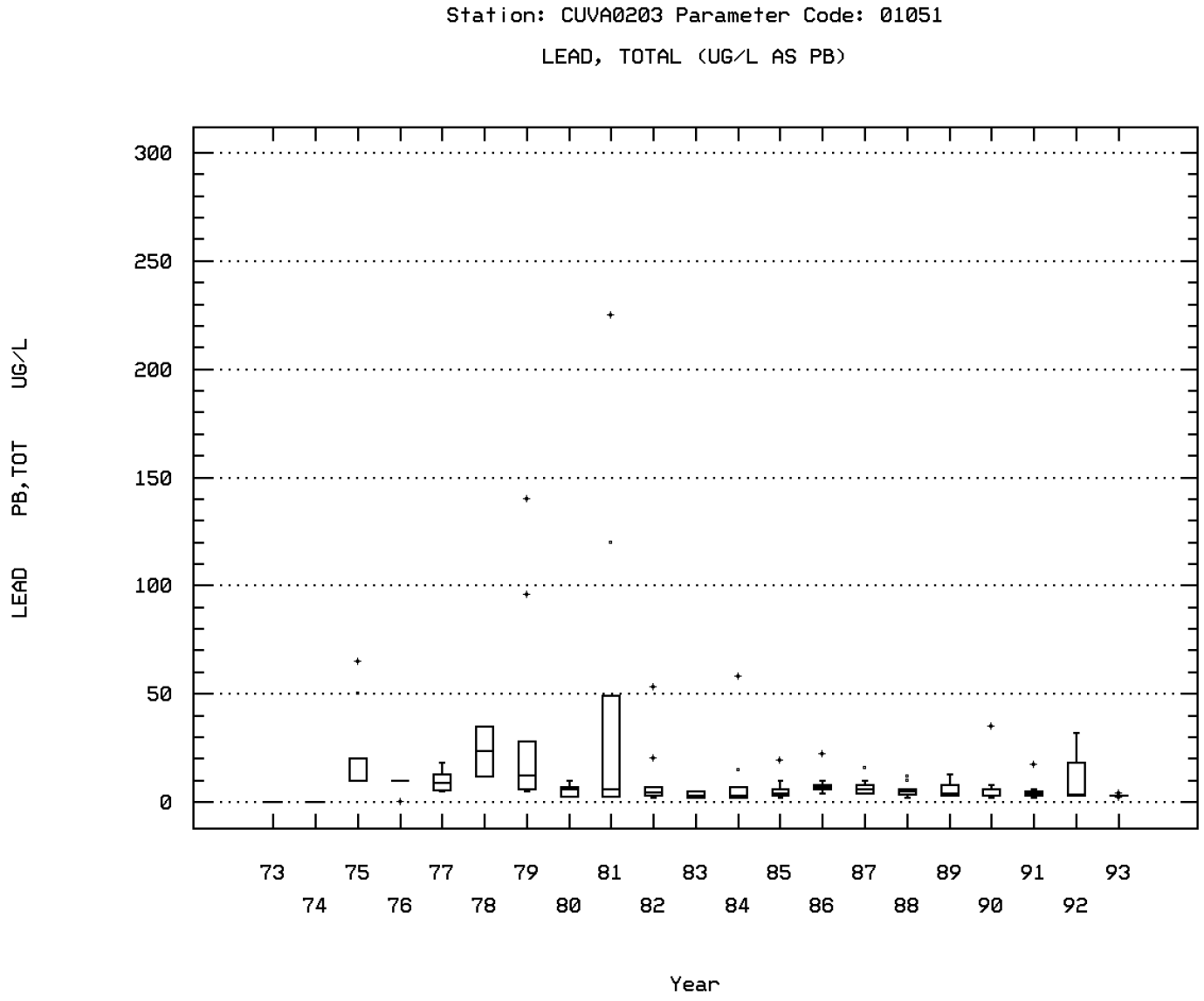
COPPER, TOTAL (UG/L AS CU)



CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



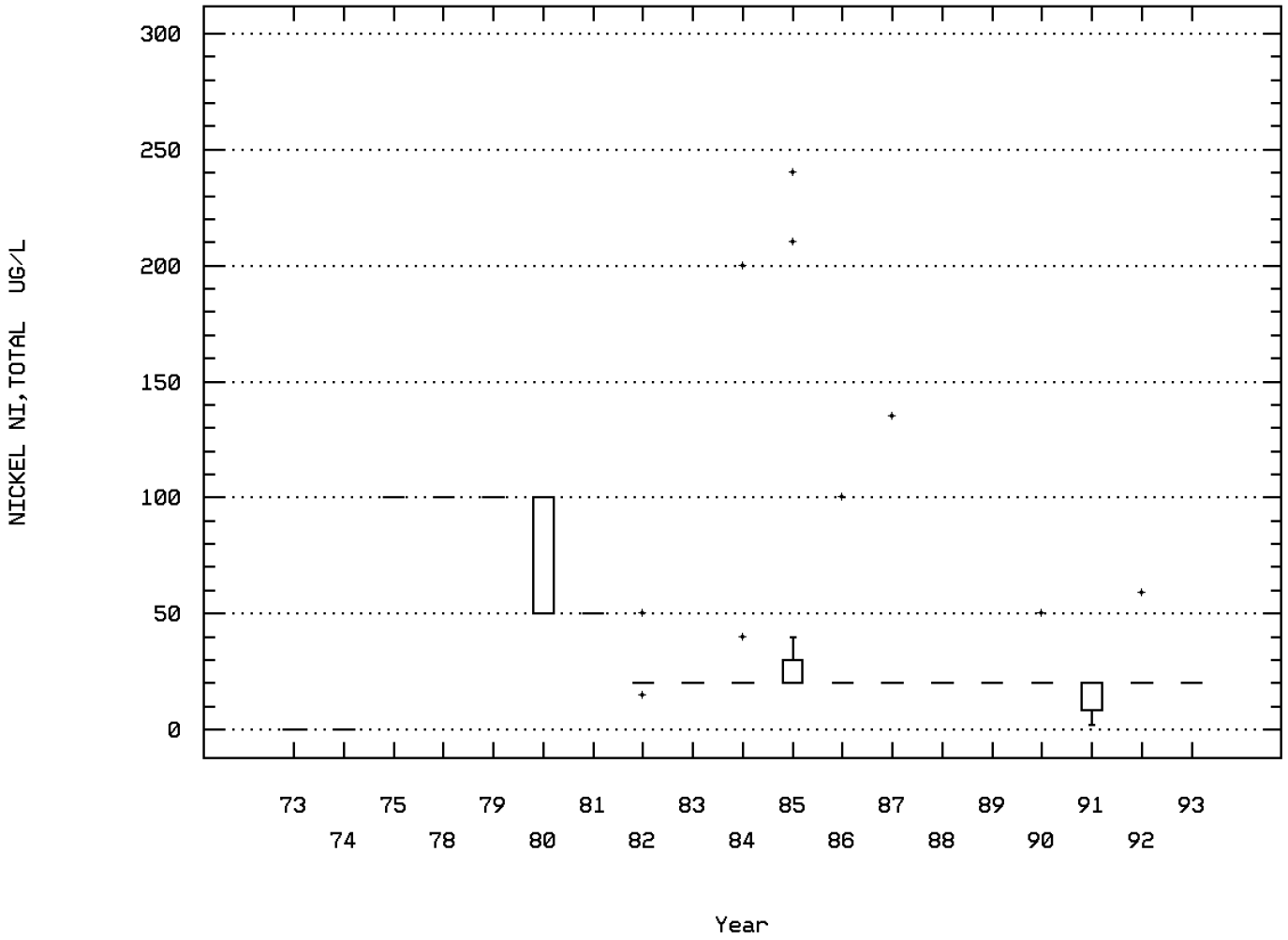
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



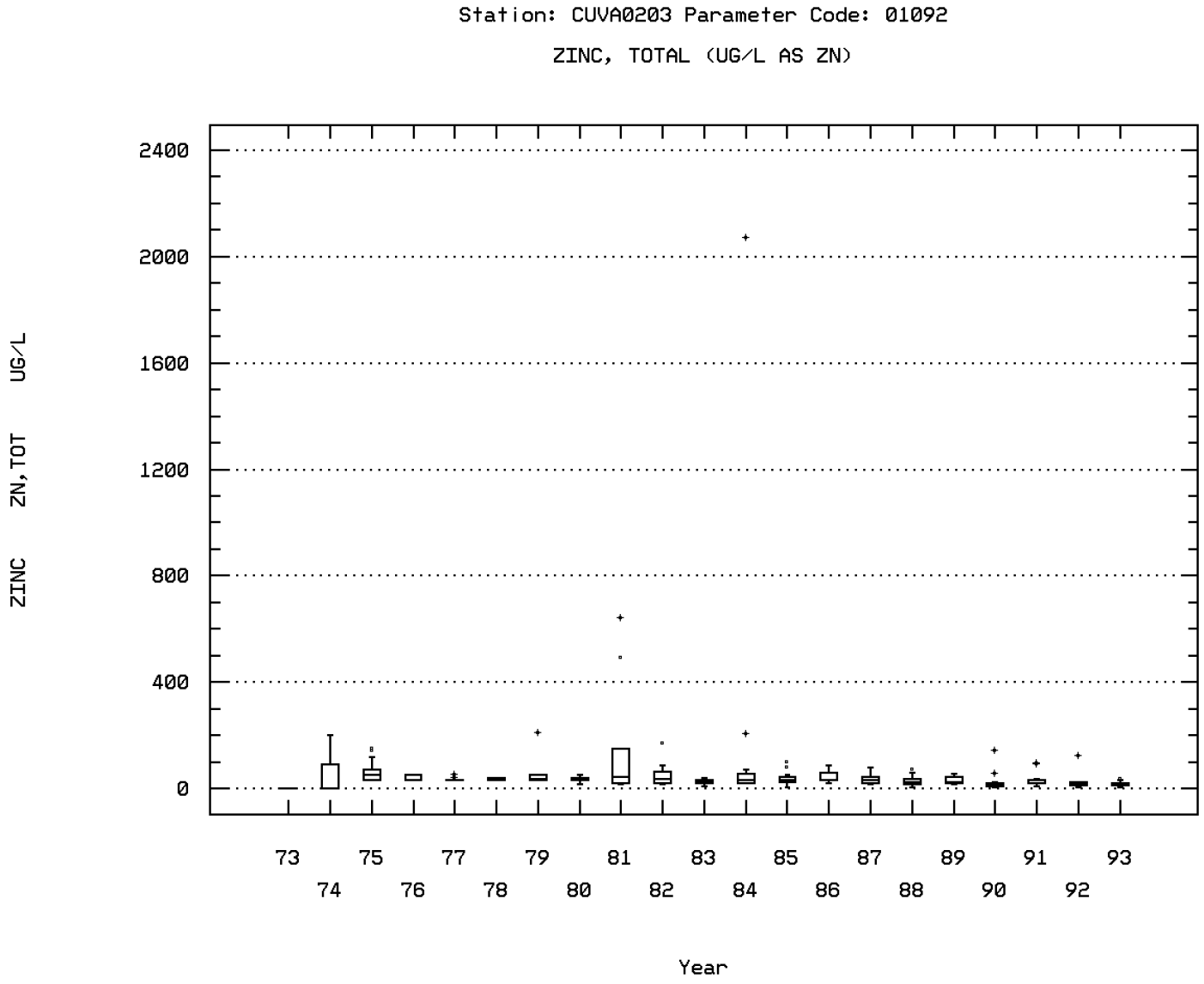
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS

Station: CUVA0203 Parameter Code: 01067

NICKEL, TOTAL (UG/L AS NI)



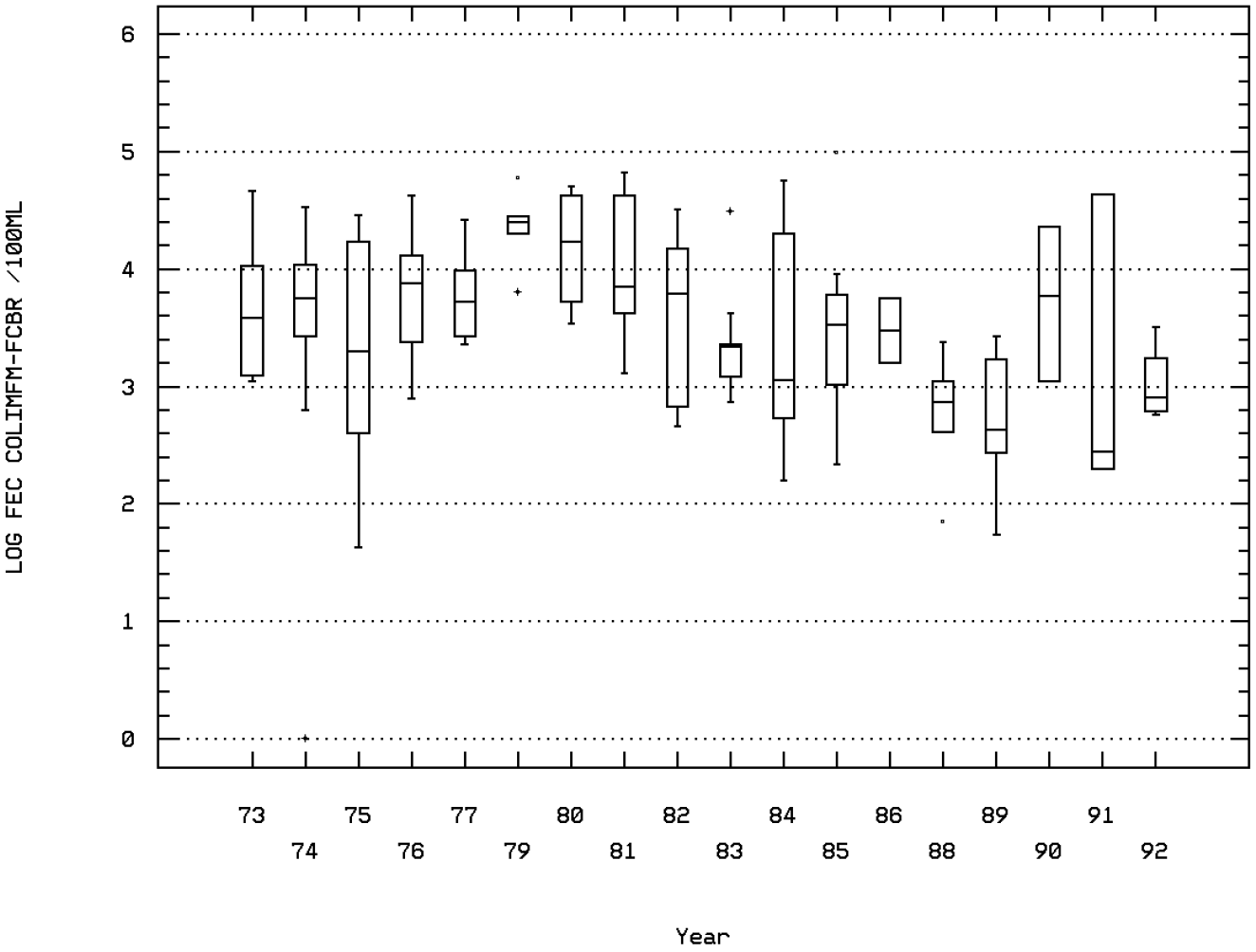
CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS



CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS

Station: CUVA0203 Parameter Code: 31616

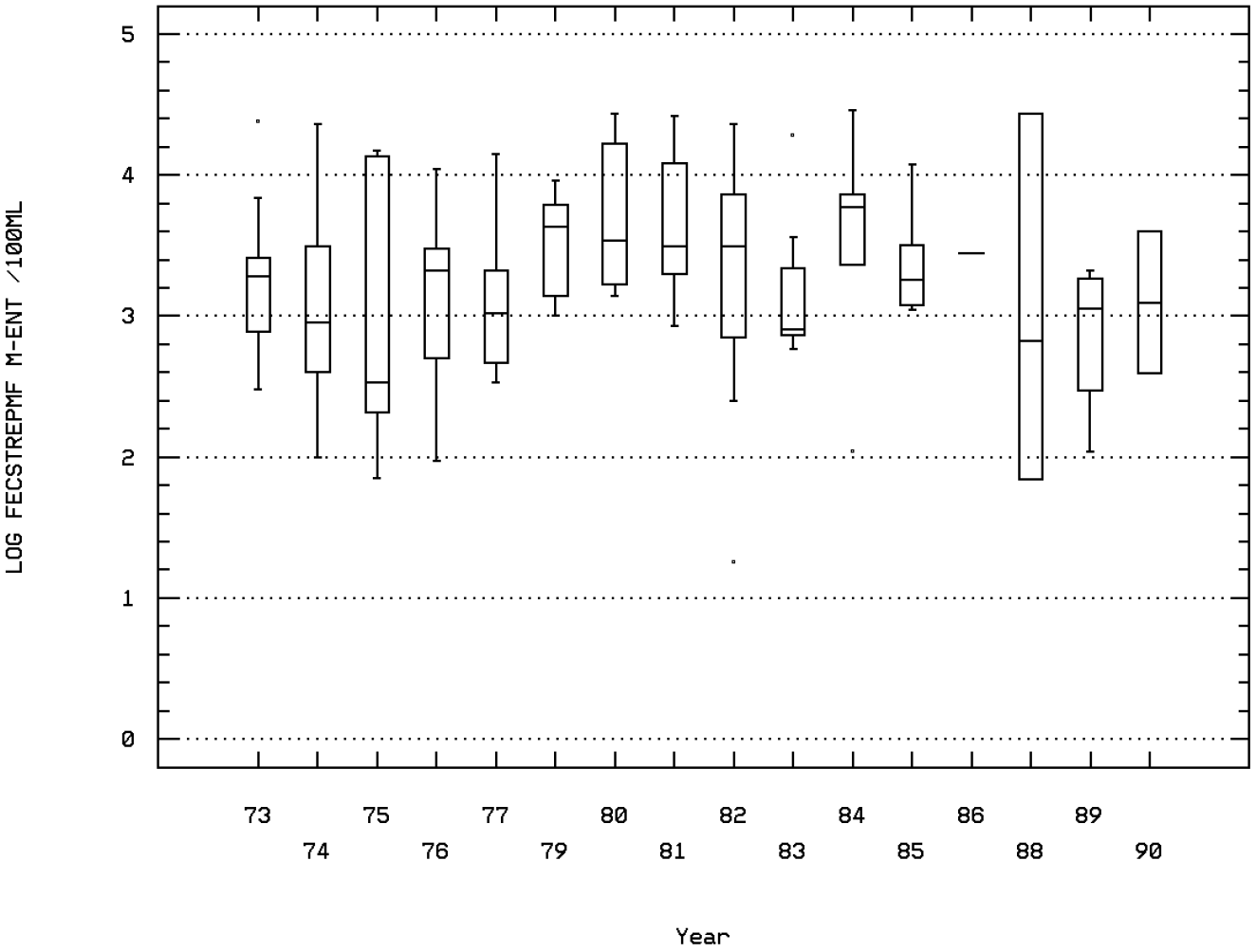
LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS

Station: CUVA0203 Parameter Code: 31679

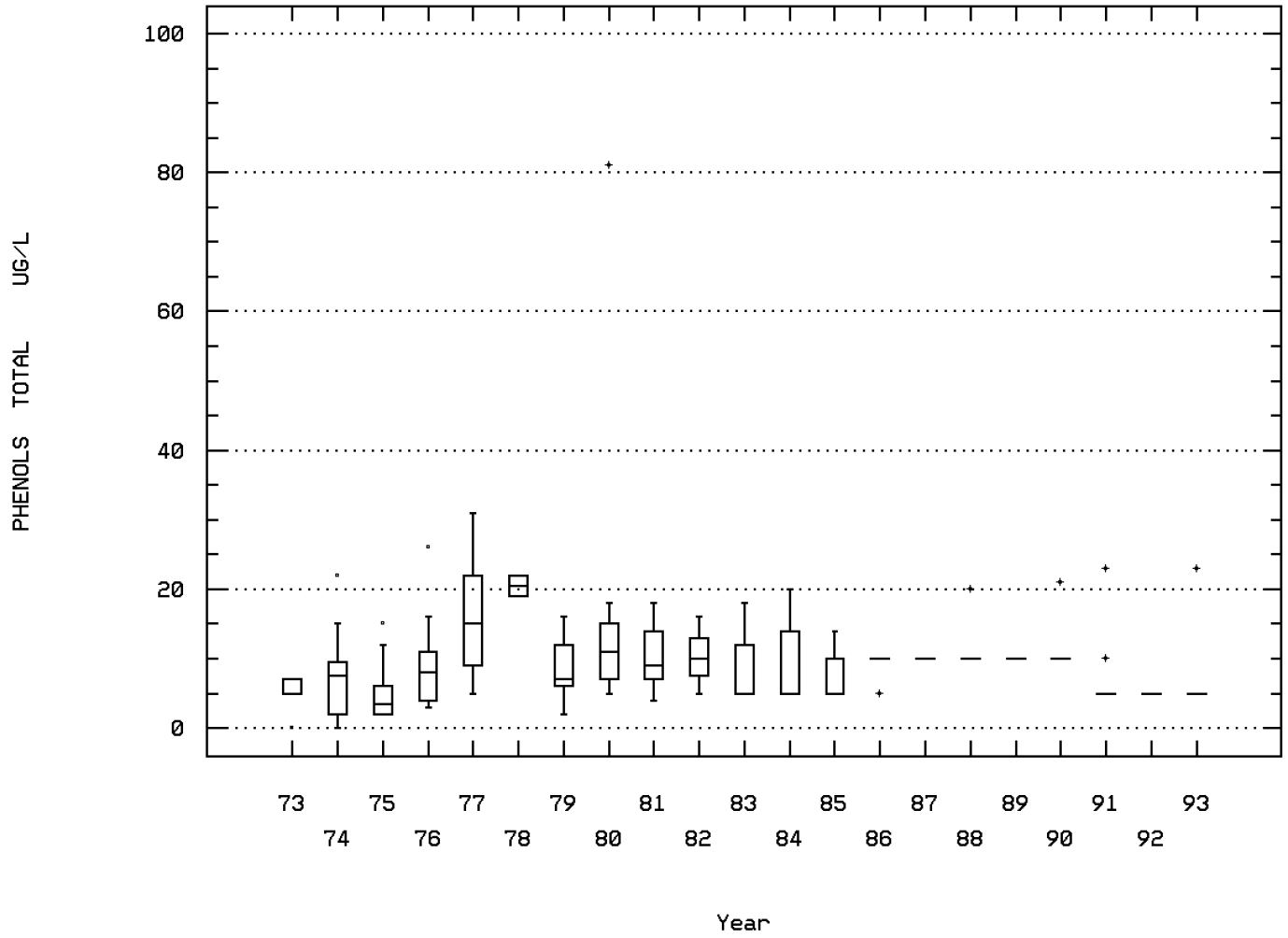
LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCU



CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS

Station: CUVA0203 Parameter Code: 32730

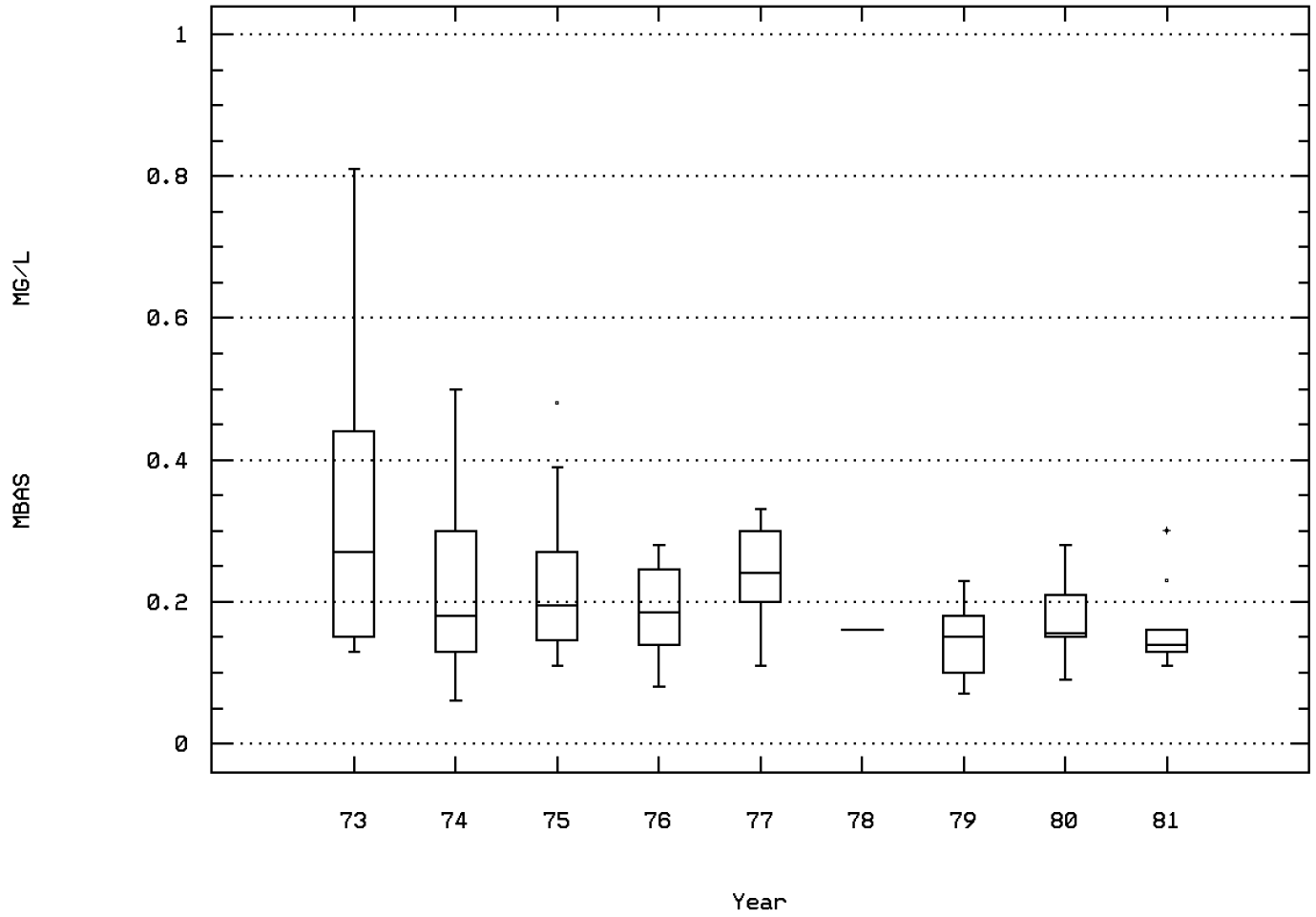
PHENOLICS, TOTAL, RECOVERABLE (UG/L)



CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS

Station: CUVA0203 Parameter Code: 38260

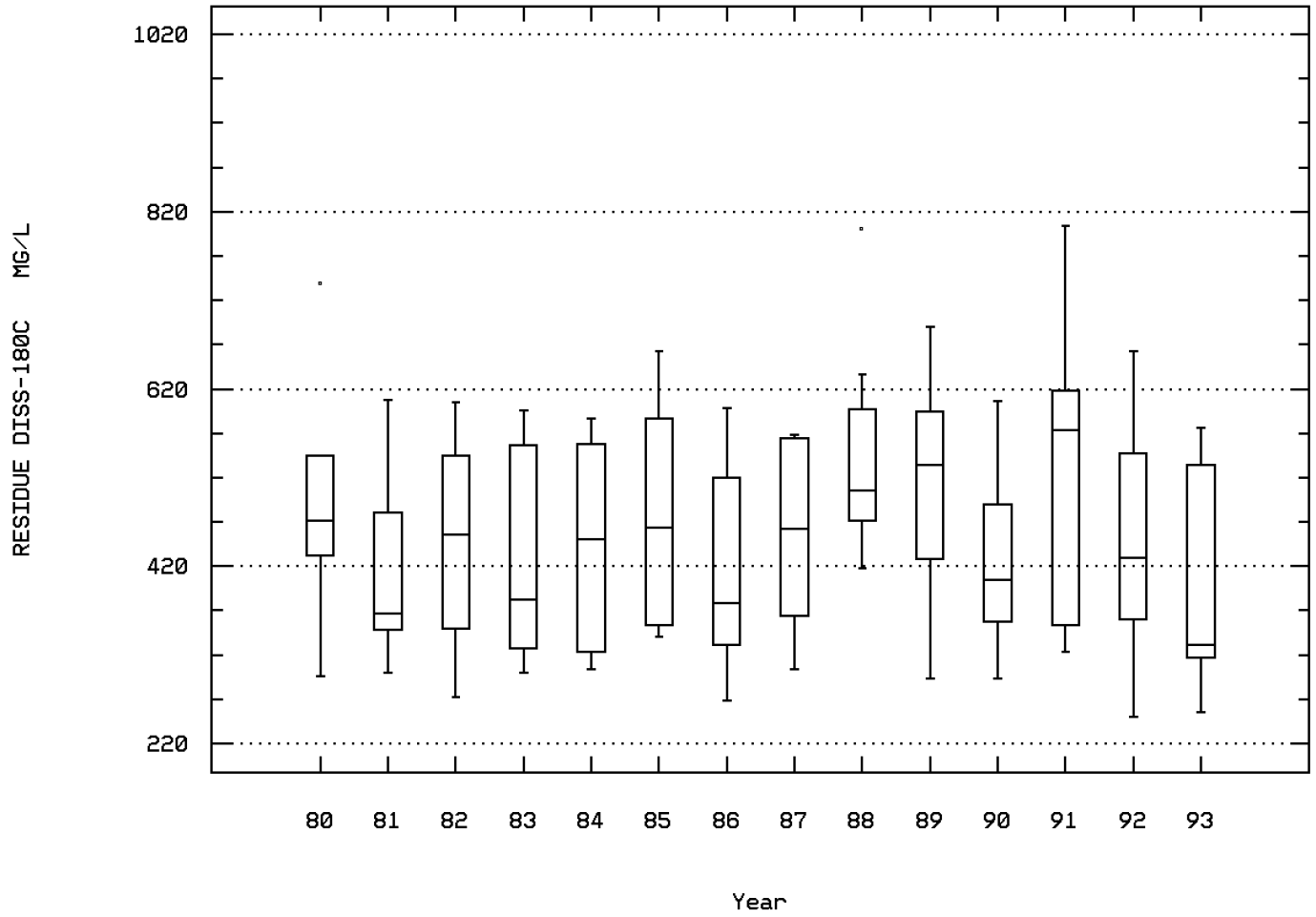
METHYLENE BLUE ACTIVE SUBST. (DETERGENT



CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS

Station: CUVA0203 Parameter Code: 70300

RESIDUE,TOTAL FILTRABLE (DRIED AT 180C)



CUYAHOGA R. AT INDEPENDENCE - OLD ROCKS

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	89	20.7	19.051	27.	8.	21.801	4.669	12.	15.	22.	24.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	84	448.	634.036	4672.	87.	387811.481	622.745	201.5	281.	772.5	1287.5
00065	STAGE, STREAM (FEET)	03/27/75-12/07/93	58	2.885	3.355	10.95	2.32	1.875	1.369	2.399	2.498	3.77	5.18
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	68	731.	734.544	1276.	334.	52615.476	229.381	430.	522.5	898.25	1044.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/73-12/07/93	43	781.	766.372	1500.	377.	41490.763	203.693	521.	600.	924.	950.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	85	7.5	7.475	12.	4.4	1.845	1.358	5.66	6.5	8.25	9.04
00310	BOD, 5 DAY, 20 DEG C MG/L	04/09/73-07/18/88	21	8.	8.957	32.	2.3	50.174	7.083	2.62	4.	10.	19.2
00335	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	87	20.	23.56	97.	4.	300.372	17.331	10.	11.	26.	39.
00400	PH (STANDARD UNITS)	04/09/73-12/07/93	72	7.9	7.887	8.5	6.6	0.118	0.343	7.5	7.7	8.1	8.3
00400	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	72	7.9	7.71	8.5	6.6	0.149	0.386	7.5	7.7	8.1	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	72	0.013	0.019	0.251	0.003	0.001	0.031	0.005	0.008	0.02	0.032
00403	PH, LAB, STANDARD UNITS SU	04/09/73-06/25/90	9	7.5	7.511	7.9	7.2	0.051	0.226	7.2	7.35	7.7	7.9
00403	CONVERTED PH, LAB, STANDARD UNITS	04/09/73-06/25/90	9	7.5	7.463	7.9	7.2	0.054	0.232	7.2	7.35	7.7	7.9
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-06/25/90	9	0.032	0.034	0.063	0.013	0.	0.016	0.013	0.02	0.045	0.063
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/07/73-12/07/93	52	135.5	135.058	172.	83.	428.134	20.691	109.	116.75	152.	163.5
00500	RESIDUE, TOTAL (MG/L)	12/19/73-09/25/90	25	531.	577.52	972.	430.	15536.26	124.645	439.2	482.	648.	724.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/21/73-02/28/80	23	522.	549.87	945.	376.	15954.119	126.31	405.6	464.	623.	704.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	79	20.	78.652	790.	2.5	24441.964	156.339	5.	11.	57.	212.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	100	0.14	0.383	2.56	0.	0.293	0.542	0.025	0.025	0.565	1.039
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	79	0.08	0.146	0.85	0.01	0.028	0.168	0.02	0.03	0.19	0.37
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	96	0.95	1.135	4.63	0.	0.713	0.845	0.5	0.7	1.2	2.31
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	101	2.61	2.825	6.09	0.8	1.464	1.21	1.336	1.79	3.8	4.608
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	96	0.275	0.368	1.62	0.	0.098	0.313	0.1	0.13	0.5	0.77
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/07/73-09/25/90	37	9.	10.465	30.	0.1	63.584	7.974	2.5	2.5	16.	23.
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	63 ##	0.003	0.006	0.088	0.	0.	0.012	0.003	0.003	0.006	0.01
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	91	241.	230.121	306.	81.	1555.307	39.437	177.4	196.	261.	272.8
00916	CALCIUM, TOTAL (MG/L AS CA)	03/27/74-12/07/93	77	70.1	66.268	103.	0.05	206.501	14.37	48.	56.5	75.	77.92
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/27/74-12/07/93	75	16.8	15.961	21.	10.	8.172	2.859	12.	13.3	18.	19.64
00929	SODIUM, TOTAL (MG/L AS NA)	03/27/74-12/26/91	20	75.7	74.895	112.	45.	310.484	17.621	46.73	63.25	84.875	101.1
00937	POTASSIUM, TOTAL MG/L AS K)	03/27/74-09/26/91	11	6.25	6.759	12.	4.95	3.479	1.865	5.08	6.	6.91	11.12
00940	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	80	111.	110.913	310.	2.	2296.207	47.919	56.3	75.	132.	162.8
00945	SULFATE, TOTAL (MG/L AS SO4)	11/19/73-12/07/93	47	91.	89.106	123.	46.	345.836	18.597	58.8	81.	103.	113.6
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/06/73-02/28/80	14	0.395	0.4	0.68	0.27	0.011	0.107	0.27	0.333	0.45	0.585
01002	ARSENIC, TOTAL (UG/L AS AS)	04/09/73-12/07/93	36	3.	3.778	10.	0.	11.492	3.39	1.	1.	4.75	10.
01007	BARIUM, TOTAL (UG/L AS BA)	04/09/73-09/26/91	13	43.	96.462	200.	0.	7484.269	86.512	0.	40.5	200.	200.
01027	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	91 ##	0.2	1.394	20.	0.	9.316	3.052	0.1	0.1	1.	5.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/16/74-01/13/81	8	10.	8.875	30.	0.	98.696	9.935	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	87 ##	15.	16.626	50.	1.	54.309	7.369	15.	15.	15.	30.
01042	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	101 ##	5.	13.748	210.	0.	536.318	23.159	5.	5.	15.	30.
01045	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	75	990.	3259.613	33500.	320.	42413294.186	6512.549	460.	580.	2210.	9738.
01051	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	96	4.	11.313	225.	0.	854.27	29.228	1.	2.	6.75	18.5
01055	MANGANESE, TOTAL (UG/L AS MN)	04/09/73-09/26/91	29	130.	164.066	645.	50.	23900.964	154.599	55.3	70.	177.5	550.
01067	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	74 ##	20.	32.	210.	2.	1338.514	36.586	20.	20.	20.	79.5
01092	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	101	25.	41.604	640.	0.	5129.582	71.621	10.	17.	31.	90.
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/09/73-09/26/91	17	302.	654.824	2800.	100.	466583.654	683.069	180.	237.5	1000.	1648.
01147	SELENIUM, TOTAL (UG/L AS SE)	04/09/73-09/26/91	15 ##	2.	3.767	10.	0.	12.102	3.479	0.6	2.	5.	10.
01501	ALPHA, TOTAL	03/25/70-09/29/77	32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
03501	BETA, TOTAL	03/25/70-09/29/77	32	6.	7.969	33.	0.	89.451	9.458	0.	0.	13.5	22.7
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	51	3400.	9730.314	66000.	55.	237253832.02	15403.046	292.	730.	10000.	33600.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	51	3.531	3.436	4.82	1.74	0.601	0.775	2.464	2.863	4.	4.526
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2726.737								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/09/73-03/15/90	39	900.	2970.923	29000.	70.	44032467.494	6635.696	200.	470.	2100.	3870.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	04/09/73-03/15/90	39	2.954	3.01	4.462	1.845	0.315	0.561	2.301	2.672	3.322	3.588
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1023.984								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	77	8.	8.078	21.	0.	14.073	3.751	5.	5.	10.	12.2
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	04/09/73-11/09/81	30	0.205	0.243	0.6	0.1	0.015	0.122	0.14	0.158	0.3	0.438
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	05/07/73-06/18/80	20	0.	0.007	0.08	0.	0.	0.021	0.	0.	0.	0.045
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	04/09/73-06/18/80	23	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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	22	0.	0.052	1.15	0.	0.06	0.245	0.	0.	0.	0.
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/21/80-12/07/93	63	514.	487.937	738.	250.	12541.06	111.987	326.4	374.	578.	607.2
71900	MERCURY, TOTAL (UG/L AS HG)	04/09/73-09/26/91	20	0.5	0.355	1.	0.	0.061	0.248	0.1	0.1	0.5	0.5

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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	88	3.	3.815	13.	-1.	9.686	3.112	0.5	2.	6.	9.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	85	870.	1224.388	6330.	169.	991299.74	995.64	408.4	584.	1601.	2600.
00065	STAGE, STREAM (FEET)	03/27/75-12/07/93	49	3.85	4.312	9.5	2.57	2.238	1.496	2.73	3.215	5.115	6.42
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	61	454.	522.459	1302.	250.	48994.186	221.346	319.2	350.	637.	831.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/73-12/07/93	48	602.	642.458	1370.	220.	73180.764	270.519	309.	441.25	815.	997.9
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	83	11.7	11.404	14.	6.9	2.086	1.444	9.16	10.6	12.5	13.
00310	BOD, 5 DAY, 20 DEG C MG/L	04/09/73-07/18/88	20	8.	15.92	80.	4.	437.415	20.914	5.1	7.	9.75	59.6
00335	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	78	23.	27.392	120.	5.	457.305	21.385	10.	16.	30.	44.9
00400	PH (STANDARD UNITS)	04/09/73-12/07/93	73	7.8	7.673	8.8	6.	0.201	0.448	7.	7.5	7.9	8.13
00400	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	73	7.8	7.319	8.8	6.	0.329	0.573	7.	7.5	7.9	8.13
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	73	0.016	0.048	1.	0.002	0.016	0.126	0.007	0.013	0.032	0.1
00403	PH, LAB, STANDARD UNITS SU	04/09/73-06/25/90	17	7.5	7.512	8.1	6.8	0.104	0.322	6.96	7.35	7.7	8.02
00403	CONVERTED PH, LAB, STANDARD UNITS	04/09/73-06/25/90	17	7.5	7.391	8.1	6.8	0.119	0.345	6.96	7.35	7.7	8.02
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-06/25/90	17	0.032	0.041	0.158	0.008	0.001	0.037	0.01	0.02	0.045	0.112
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/07/73-12/07/93	47	119.	121.851	216.	73.	827.651	28.769	90.4	101.	138.	159.6
00500	RESIDUE, TOTAL (MG/L)	12/19/73-09/25/90	19	471.	500.789	874.	346.	21642.398	147.114	352.	398.	560.	807.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/21/73-02/28/80	29	452.	459.414	812.	224.	23206.823	152.338	252.	345.	535.5	708.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	70	21.	38.9	259.	2.5	2673.2	51.703	5.	10.	41.75	88.5
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	87	0.49	0.739	4.04	0.	0.641	0.801	0.09	0.18	1.1	1.912
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	56	0.05	0.096	0.64	0.02	0.012	0.109	0.027	0.04	0.11	0.223
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	83	1.1	1.45	5.91	0.09	1.038	1.019	0.5	0.8	1.9	2.92
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	87	1.63	1.76	4.62	0.	0.685	0.828	0.97	1.2	1.96	3.112
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	88	0.215	0.304	2.98	0.	0.131	0.362	0.069	0.11	0.4	0.635
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/07/73-09/25/90	27	10.5	11.333	24.5	2.	37.385	6.114	4.8	6.5	15.	22.2
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	51 ##	0.005	0.008	0.16	0.	0.	0.022	0.003	0.003	0.008	0.01
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	71	203.	207.535	321.	122.	1749.967	41.833	161.2	177.	234.	271.4
00916	CALCIUM, TOTAL (MG/L AS CA)	03/27/74-12/07/93	51	59.	60.822	94.	35.7	161.127	12.694	46.76	51.	66.4	81.4
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/27/74-12/07/93	49	13.4	14.116	21.	9.5	8.219	2.867	11.	12.	16.	19.
00929	SODIUM, TOTAL (MG/L AS NA)	03/27/74-12/26/91	23	83.	89.957	152.	45.	793.498	28.169	59.	65.	110.	133.8
00937	POTASSIUM, TOTAL MG/L AS K)	03/27/74-09/26/91	2	4.05	4.05	4.4	3.7	0.245	0.495	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	76	112.	125.724	310.	39.	3567.723	59.73	57.7	78.25	170.	192.3
00945	SULFATE, TOTAL (MG/L AS SO4)	11/19/73-12/07/93	53	81.	82.415	131.	50.	346.747	18.621	56.4	68.5	96.	108.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/06/73-02/28/80	21	0.31	0.332	0.52	0.18	0.01	0.099	0.212	0.265	0.375	0.506
01002	ARSENIC, TOTAL (UG/L AS AS)	04/09/73-12/07/93	19 ##	1.	2.105	10.	1.	5.211	2.283	1.	1.	2.	5.
01007	BARIUM, TOTAL (UG/L AS BA)	04/09/73-09/26/91	6	200.	300.	800.	100.	64000.	252.982	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	61 ##	0.2	1.485	14.	0.	8.383	2.895	0.1	0.1	0.85	5.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/16/74-01/13/81	11	12.	15.273	30.	0.	127.218	11.279	0.	8.	30.	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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	58 ##	15.	17.845	40.	0.	56.239	7.499	15.	15.	15.	30.
01042	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	82 ##	5.	15.915	120.	0.	417.98	20.445	5.	5.	21.25	30.
01045	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	74	1130.	2014.365	18000.	260.	7268920.536	2696.094	465.	707.5	2310.	3720.
01051	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	71	3.	6.859	65.	0.	107.08	10.348	1.	2.	8.	14.8
01055	MANGANESE, TOTAL (UG/L AS MN)	04/09/73-09/26/91	19	135.	136.816	260.	9.5	4102.089	64.048	60.	105.	160.	235.
01067	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	52 ##	20.	34.519	135.	0.	1024.764	32.012	20.	20.	35.	100.
01092	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	77	30.	37.948	200.	0.	1260.866	35.509	5.	20.	47.5	72.
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/09/73-09/26/91	13	400.	1256.154	8900.	200.	5589658.974	2364.246	200.	250.	1300.	6140.
01147	SELENIUM, TOTAL (UG/L AS SE)	04/09/73-09/26/91	6 ##	1.75	3.417	10.	1.	12.842	3.584	**	**	**	**
01501	ALPHA, TOTAL	03/25/70-09/29/77	24	0.	0.708	7.	0.	3.868	1.967	0.	0.	0.	5.
03501	BETA, TOTAL	03/25/70-09/29/77	24	3.5	8.	32.	0.	105.304	10.262	0.	0.	14.5	27.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	49	4200.	9722.041	50000.	450.	152513691.582	12349.643	1000.	2150.	11650.	29000.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	49	3.623	3.689	4.699	2.653	0.269	0.519	3.	3.332	4.066	4.462
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4886.12								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/09/73-03/15/90	43	2300.	5098.605	26000.	110.	40514969.435	6365.137	400.	900.	7300.	14600.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	04/09/73-03/15/90	43	3.362	3.391	4.415	2.041	0.318	0.564	2.602	2.954	3.863	4.164
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			2459.562								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	71	10.	9.831	26.	0.	37.885	6.155	4.	5.	12.	20.
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	04/09/73-11/09/81	30	0.185	0.226	0.81	0.08	0.02	0.142	0.13	0.14	0.278	0.357
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	05/07/73-06/18/80	11	0.	0.001	0.008	0.	0.	0.002	0.	0.	0.	0.006
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	04/09/73-06/18/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	12	0.	0.001	0.01	0.	0.	0.003	0.	0.	0.	0.007
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	12	0.	0.004	0.05	0.	0.	0.014	0.	0.	0.	0.035
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/21/80-12/07/93	53	430.	459.943	804.	272.	16617.516	128.909	318.8	355.	555.	643.6
71900	MERCURY, TOTAL (UG/L AS HG)	04/09/73-09/26/91	13	0.5	0.442	1.	0.25	0.043	0.208	0.25	0.25	0.5	0.8

** - 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: 3/15 to 6/30 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-12/07/93	75	14.5	14.279	23.3	4.	35.243	5.937	5.06	9.5	20.	21.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/09/73-12/07/93	77	1105.	1179.	3206.	287.	422537.789	650.029	427.6	624.	1577.5	1989.2
00065	STAGE, STREAM (FEET)	03/27/75-12/07/93	46	4.29	4.285	8.13	2.56	1.634	1.278	2.835	3.2	5.092	6.004
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/24/75-12/07/93	52	551.5	594.058	1320.	290.	51635.232	227.234	332.	426.25	755.75	873.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/73-12/07/93	35	650.	646.743	950.	362.	27120.844	164.684	430.	490.	767.	888.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/09/73-12/07/93	74	8.55	8.547	14.8	3.5	4.991	2.234	5.65	6.8	10.25	11.5
00310	BOD, 5 DAY, 20 DEG C MG/L	04/09/73-07/18/88	24	7.7	9.158	27.	1.3	39.639	6.296	2.8	5.4	9.925	22.
00335	COD, .025N K2CR2O7 MG/L	12/19/73-12/07/93	70	22.	24.223	82.	10.	166.622	12.908	12.	16.75	27.125	33.
00400	PH (STANDARD UNITS)	04/09/73-12/07/93	56	7.8	7.731	8.21	6.7	0.101	0.317	7.3	7.6	7.9	8.1
00400	CONVERTED PH (STANDARD UNITS)	04/09/73-12/07/93	56	7.8	7.587	8.21	6.7	0.122	0.349	7.3	7.6	7.9	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-12/07/93	56	0.016	0.026	0.2	0.006	0.001	0.031	0.008	0.013	0.025	0.05
00403	PH, LAB, STANDARD UNITS SU	04/09/73-06/25/90	24	7.6	7.633	8.1	7.3	0.047	0.216	7.3	7.425	7.8	7.95
00403	CONVERTED PH, LAB, STANDARD UNITS	04/09/73-06/25/90	24	7.6	7.584	8.1	7.3	0.049	0.222	7.3	7.425	7.8	7.95
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-06/25/90	24	0.025	0.026	0.05	0.008	0.	0.013	0.011	0.016	0.038	0.05
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/07/73-12/07/93	40	109.5	115.225	163.	76.	557.82	23.618	84.5	97.75	131.5	152.7

** - 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 #3: 3/15 to 6/30 - Station CUVA0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00500	RESIDUE, TOTAL (MG/L)	12/19/73-09/25/90	18	483.5	506.167	920.	268.	22836.382	151.117	356.2	399.75	554.75	731.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/21/73-02/28/80	20	426.	465.55	778.	244.	22874.155	151.242	282.5	320.	599.5	682.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/74-12/07/93	63	39.	57.381	307.	6.	4742.304	68.864	9.4	16.	58.	154.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/73-12/07/93	71	0.27	0.487	2.47	0.025	0.253	0.503	0.05	0.12	0.74	1.09
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/08/74-12/07/93	49	0.08	0.117	0.53	0.01	0.01	0.102	0.03	0.05	0.165	0.22
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/27/73-12/07/93	71	1.	1.203	4.1	0.	0.553	0.744	0.6	0.8	1.37	2.33
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/73-12/07/93	71	1.35	1.563	4.09	0.2	0.689	0.83	0.78	1.	1.78	3.008
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/11/73-12/07/93	71	0.23	0.292	2.35	0.	0.096	0.309	0.07	0.12	0.38	0.496
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/07/73-09/25/90	25	10.5	11.964	41.	2.	64.179	8.011	3.4	6.	15.	20.
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/07/73-12/07/93	44 ##	0.005	0.1	3.8	0.	0.327	0.572	0.003	0.003	0.01	0.05
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/74-12/07/93	62	200.	211.29	692.	134.	5462.472	73.909	152.3	170.75	243.	263.4
00916	CALCIUM, TOTAL (MG/L AS CA)	03/27/74-12/07/93	45	55.	56.929	79.	2.2	202.832	14.242	42.92	48.25	67.85	75.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/27/74-12/07/93	44	13.9	14.055	19.4	9.	8.587	2.93	10.25	11.625	17.	18.
00929	SODIUM, TOTAL (MG/L AS NA)	03/27/74-12/26/91	16	58.	87.5	475.	34.	11451.867	107.013	36.1	45.5	72.	251.
00937	POTASSIUM, TOTAL MG/L AS K)	03/27/74-09/26/91	4	5.45	5.925	9.6	3.2	7.209	2.685	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/23/73-12/07/93	65	87.	95.092	258.	1.	2133.866	46.194	52.8	65.5	113.5	146.4
00945	SULFATE, TOTAL (MG/L AS SO4)	11/19/73-12/07/93	40	73.	76.325	110.	43.	320.43	17.901	52.2	63.	89.75	103.8
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/06/73-02/28/80	19	0.27	0.306	0.51	0.13	0.011	0.106	0.16	0.23	0.41	0.45
01002	ARSENIC, TOTAL (UG/L AS AS)	04/09/73-12/07/93	20	2.	4.5	10.	0.	18.579	4.31	0.	1.	10.	10.
01007	BARIUM, TOTAL (UG/L AS BA)	04/09/73-09/26/91	16	200.	168.75	500.	0.	11625.	107.819	70.	100.	200.	290.
01027	CADMIUM, TOTAL (UG/L AS CD)	04/09/73-12/07/93	66	0.25	1.819	10.	0.	9.549	3.09	0.	0.1	2.5	7.9
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/16/74-01/13/81	9	6.	10.111	30.	0.	158.611	12.594	0.	0.	23.5	30.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/09/73-12/07/93	58 ##	15.	17.586	30.	0.	41.44	6.437	15.	15.	15.	30.
01042	COPPER, TOTAL (UG/L AS CU)	04/09/73-12/07/93	74 ##	5.	17.77	190.	0.	766.536	27.686	5.	5.	30.	30.
01045	IRON, TOTAL (UG/L AS FE)	04/09/73-12/07/93	63	1940.	2525.556	13500.	0.	6712712.186	2590.89	588.	1000.	2730.	5528.
01051	LEAD, TOTAL (UG/L AS PB)	04/09/73-12/07/93	69	4.	7.746	120.	0.	232.938	15.262	0.	1.	10.	18.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/09/73-09/26/91	19	130.	141.053	210.	100.	907.164	30.119	110.	120.	160.	190.
01067	NICKEL, TOTAL (UG/L AS NI)	04/09/73-12/07/93	50 ##	20.	33.7	240.	0.	1472.255	38.37	20.	20.	27.5	95.
01092	ZINC, TOTAL (UG/L AS ZN)	04/09/73-12/07/93	73	30.	67.712	2070.	0.	60221.041	245.4	2.	15.	45.	80.
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/09/73-09/26/91	14	650.	1105.	3100.	300.	910657.692	954.284	300.	500.	1552.5	2950.
01147	SELENIUM, TOTAL (UG/L AS SE)	04/09/73-09/26/91	12	5.	4.667	10.	0.	14.97	3.869	0.	0.25	8.75	10.
01501	ALPHA, TOTAL	03/25/70-09/29/77	32	0.	0.219	4.	0.	0.757	0.87	0.	0.	0.	0.
03501	BETA, TOTAL	03/25/70-09/29/77	32	4.	8.344	33.	0.	103.459	10.171	0.	0.	15.5	26.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	50	5550.	11734.14	97000.	1.	317392097.184	17815.502	328.	1025.	16250.	30500.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-05/28/92	50	3.744	3.554	4.987	0.	0.79	0.889	2.515	3.007	4.211	4.484
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3579.743								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/09/73-03/15/90	48	2150.	5171.438	27000.	18.	48284933.358	6948.736	199.1	700.	6125.	15400.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	04/09/73-03/15/90	48	3.332	3.273	4.431	1.255	0.544	0.738	2.292	2.845	3.787	4.186
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1873.856								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/21/73-12/07/93	59	9.	9.78	81.	0.	120.761	10.989	2.	5.	10.	14.
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	04/09/73-11/09/81	34	0.15	0.173	0.41	0.06	0.006	0.077	0.09	0.118	0.22	0.28
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	05/07/73-06/18/80	18	0.	0.05	0.85	0.	0.04	0.2	0.	0.	0.	0.13
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	04/09/73-06/18/80	20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	20	0.	0.	0.004	0.	0.	0.001	0.	0.	0.	0.
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	04/09/73-06/18/80	20	0.	0.005	0.09	0.	0.	0.02	0.	0.	0.	0.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/21/80-12/07/93	46	371.5	405.109	620.	256.	9424.232	97.078	297.4	317.5	508.5	545.9
71900	MERCURY, TOTAL (UG/L AS HG)	04/09/73-09/26/91	24	0.375	0.5	4.	0.	0.636	0.797	0.	0.063	0.5	1.

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

Station Inventory for Station: CUVA0204

NPS Station ID: CUVA0204
LAT/LON: 41.395281/ -81.630003
Agency: 31HEIDRV
Date Created: 07/23/83
Location: CUYAHOGA RIVER AT INDEPENDENCE OHIO
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): USGS04208000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 12.490
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 04110001001200.39
RF3 Mile Point: 0.91
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/04/81-09/30/87	2672	825.	1308.296	10392.	150.	1810093.612	1345.397	303.	447.	1640.	2985.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/04/81-09/30/87	2767	738.	756.103	2490.	8.	43567.579	208.728	516.	607.	881.	980.
00403	PH, LAB, STANDARD UNITS SU	11/04/81-09/29/82	446	7.8	7.816	8.5	6.2	0.091	0.302	7.5	7.7	8.	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	11/04/81-09/29/82	446	7.8	7.611	8.5	6.2	0.133	0.365	7.5	7.7	8.	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/04/81-09/29/82	446	0.016	0.024	0.631	0.003	0.004	0.063	0.008	0.01	0.02	0.032
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/04/81-09/30/87	2616	45.	155.342	6929.	7.	117131.079	342.244	14.	21.	136.75	401.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/01/82-09/30/87	1572	0.171	0.347	3.824	0.	0.234	0.484	0.063	0.089	0.35	0.828
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/04/81-09/30/87	2754	1.08	1.377	35.79	0.33	1.517	1.232	0.75	0.88	1.5	2.265
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/04/81-09/30/87	2762	2.1	2.326	40.4	0.05	1.762	1.328	1.1	1.5	2.9	4.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/04/81-09/30/87	2752	0.33	0.411	7.006	0.07	0.132	0.363	0.191	0.243	0.459	0.661
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/04/81-09/30/87	2601	0.105	0.131	3.168	-0.004	0.014	0.118	0.032	0.062	0.179	0.29
00940	CHLORIDE,TOTAL IN WATER MG/L	11/04/81-09/30/87	2707	95.	102.531	579.	16.	2219.22	47.109	63.	77.	114.	139.2
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/04/81-09/30/87	2728	7.5	7.63	39.2	1.1	6.564	2.562	4.8	6.4	8.8	10.1
38477	LINURON WATER, TOTUG/L	04/11/83-08/31/87	89 ##	0.	0.104	7.207	0.	0.596	0.772	0.	0.	0.	0.
38537	PROPOXUR WATER, TOTUG/L	05/05/86-08/31/87	20	0.	0.048	0.944	0.	0.045	0.211	0.	0.	0.	0.006
39023	PHORATE, FLAME IONIZATION, WATER SAMPLE (UG/L)	12/07/81-08/02/82	15	0.004	0.007	0.04	0.	0.	0.011	0.	0.	0.008	0.028
39033	ATRAZINE IN WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	57	0.242	0.61	3.747	0.	0.677	0.822	0.	0.027	0.884	1.825
39053	ALDICARB IN WHOLE WATER (UG/L)	05/05/86-08/31/87	20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39055	SIMAZINE IN WHOLE WATER (UG/L)	12/07/81-08/31/87	83 ##	0.05	0.874	11.	0.	3.981	1.995	0.	0.	1.	2.
39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	12/07/81-08/31/87	109 ##	0.	0.244	7.69	0.	0.868	0.932	0.	0.	0.08	0.5
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	12/07/81-08/31/87	41	0.	0.008	0.083	0.	0.	0.018	0.	0.	0.01	0.037
77825	ALACHLOR WHOLE WATER,UG/L	12/07/81-08/31/87	92 ##	0.	0.071	1.663	0.	0.072	0.268	0.	0.	0.	0.086
77969	CHLOROPYRIFOS IN WATER UG/L	12/07/81-08/09/82	16	0.008	0.018	0.15	0.	0.001	0.037	0.	0.	0.02	0.066
81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	36	0.	0.053	1.089	0.	0.035	0.186	0.	0.	0.004	0.146
81294	DYFONATE(CU/H15OPS2) WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	99 ##	0.	0.036	1.157	0.	0.023	0.152	0.	0.	0.011	0.024
81405	CARBOFURAN (EURADAN) WHOLE WATER SAMPLE UG/L	04/11/83-08/31/87	75 ##	0.	0.593	21.459	0.	6.36	2.522	0.	0.	0.133	1.318
81408	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	12/07/81-08/31/87	93 ##	0.	0.034	1.5	0.	0.028	0.167	0.	0.	0.	0.052
81410	BUTYLATE (SUTAN),WHOLE WATER SAMPLE,UG/L	12/07/81-07/19/82	15	0.	0.016	0.054	0.	0.	0.022	0.	0.	0.036	0.052
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	99 ##	0.014	0.389	6.618	0.	1.334	1.155	0.	0.	0.086	0.995
81758	ETHOPROP IN THE WHOLE WATER SAMPLE UG/L	12/07/81-08/02/82	17	0.089	0.106	0.344	0.	0.013	0.115	0.	0.003	0.185	0.327
81894	EPTC (EPTAM) IN WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	35	0.	0.388	2.846	0.	0.564	0.751	0.	0.	0.3	1.864
82088	TERBUFOS (COUNTER) TOTAL WHOLE WATER,UG/L	12/07/81-08/31/87	108 ##	0.	0.03	1.51	0.	0.031	0.177	0.	0.	0.009	0.029
82410	PENOXALIN IN WHOLE WATER(PROWL) TOTAL UG/L	12/07/81-08/31/87	102 ##	0.	0.035	1.51	0.	0.037	0.192	0.	0.	0.	0.021

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

EPA Water Quality Criteria Analysis for Station: CUVA0204

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Other-Hi Lim.	9.	446	0	0.00	124	0	0.00	161	0	0.00	161	0	0.00			
		Other-Lo Lim.	6.5	446	7	0.02	124	7	0.06	161	0	0.00	161	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2762	1	0.00	871	1	0.00	1026	0	0.00	865	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2707	0	0.00	836	0	0.00	1022	0	0.00	849	0	0.00			
		Drinking Water	250.	2707	54	0.02	836	1	0.00	1022	48	0.05	849	5	0.01			
39033	ATRAZINE IN WHOLE WATER SAMPLE	Drinking Water	3.	57	1	0.02	20	0	0.00	1	0	0.00	36	1	0.03			
39053	ALDICARB IN WHOLE WATER	Drinking Water	3.	20	0	0.00	10	0	0.00				10	0	0.00			
39055	SIMAZINE IN WHOLE WATER	Drinking Water	4.	83	6	0.07	34	4	0.12	2	0	0.00	47	2	0.04			
81405	CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	Drinking Water	40.	75	0	0.00	36	0	0.00	1	0	0.00	38	0	0.00			

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

Annual Analysis for 1981 - Station CUVA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/04/81-09/30/87	58	927.5	1218.552	6932.	328.	1164069.796	1078.921	520.6	693.25	1304.	2098.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/04/81-09/30/87	58	715.	769.086	1513.	573.	32322.045	179.783	606.9	637.	834.25	1042.9
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/04/81-09/30/87	57	31.	123.772	2716.	9.	144932.036	380.699	15.2	20.	84.	159.4
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/04/81-09/30/87	58	1.17	1.521	17.86	0.69	4.945	2.224	0.798	0.97	1.418	1.681
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/04/81-09/30/87	57	1.9	1.935	3.4	1.1	0.189	0.435	1.4	1.6	2.2	2.42
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/04/81-09/30/87	58	0.293	0.494	6.803	0.173	0.844	0.919	0.208	0.238	0.354	0.613
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/04/81-09/30/87	58	0.089	0.08	0.191	0.001	0.002	0.044	0.017	0.038	0.107	0.129
00940	CHLORIDE,TOTAL IN WATER MG/L	11/04/81-09/30/87	58	98.	114.19	403.	65.	2761.806	52.553	69.	84.	126.5	175.2
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/04/81-09/30/87	58	7.3	7.378	11.	5.9	0.532	0.729	6.59	6.9	7.8	8.1
39055	SIMAZINE IN WHOLE WATER (UG/L)	12/07/81-08/31/87	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	12/07/81-08/31/87	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
77825	ALACHLOR WHOLE WATER,UG/L	12/07/81-08/31/87	1	0.557	0.557	0.557	0.557	0.	0.	**	**	**	**
81294	DYFONATE(CU/H15OPS2) WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	1	0.	0.	0.	0.	0.	0.	**	**	**	**
81408	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	12/07/81-08/31/87	1	0.526	0.526	0.526	0.526	0.	0.	**	**	**	**
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82088	TERBUFOS (COUNTER) TOTAL WHOLE WATER,UG/L	12/07/81-08/31/87	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82410	PENOXALIN IN WHOLE WATER(PROWL) TOTAL UG/L	12/07/81-08/31/87	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 box-and-whisker plot

Annual Analysis for 1982 - Station CUVA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/04/81-09/30/87	495	1104.	1462.527	5764.	205.	1410380.173	1187.594	307.	493.	2127.	3096.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/04/81-09/30/87	536	700.5	713.588	1132.	8.	26095.248	161.54	523.7	586.	850.75	943.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/04/81-09/30/87	520	62.	188.363	4120.	7.	124143.985	352.341	16.	23.	199.75	547.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/01/82-09/30/87	98	0.31	0.696	2.89	0.	0.568	0.754	0.001	0.089	1.242	2.
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/04/81-09/30/87	533	1.19	1.428	8.09	0.42	0.606	0.779	0.744	0.875	1.81	2.466
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/04/81-09/30/87	536	2.05	2.446	7.4	0.9	1.894	1.376	1.1	1.3	3.1	4.7
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/04/81-09/30/87	536	0.397	0.487	3.6	0.175	0.126	0.355	0.249	0.308	0.503	0.809
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/04/81-09/30/87	516	0.126	0.156	0.563	0.002	0.011	0.107	0.045	0.069	0.218	0.305
00940	CHLORIDE,TOTAL IN WATER MG/L	11/04/81-09/30/87	536	93.	95.75	163.	48.	577.414	24.029	65.	77.	113.	129.
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/04/81-09/30/87	536	7.1	7.132	13.5	2.4	2.878	1.697	5.4	6.1	8.	8.9
39055	SIMAZINE IN WHOLE WATER (UG/L)	12/07/81-08/31/87	19	1.	2.7	11.	0.	11.64	3.412	0.2	0.4	4.	11.
39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	12/07/81-08/31/87	17	0.09	0.171	0.73	0.	0.047	0.217	0.	0.01	0.245	0.61
77825	ALACHLOR WHOLE WATER,UG/L	12/07/81-08/31/87	14	0.025	0.087	0.603	0.	0.026	0.162	0.	0.	0.11	0.409
81294	DYFONATE(CU/H15OPS2) WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
81408	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	12/07/81-08/31/87	15	0.	0.049	0.284	0.	0.007	0.084	0.	0.	0.047	0.226
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	12	3.134	2.679	6.618	0.	4.896	2.213	0.	0.455	4.074	6.23
82088	TERBUFOS (COUNTER) TOTAL WHOLE WATER,UG/L	12/07/81-08/31/87	16	0.025	0.026	0.058	0.	0.	0.014	0.006	0.016	0.036	0.048
82410	PENOXALIN IN WHOLE WATER(PROWL) TOTAL UG/L	12/07/81-08/31/87	14	0.022	0.077	0.793	0.	0.043	0.207	0.	0.	0.043	0.435

** - Less than 9 observations ## - Computed with 50% or 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 CUVA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/04/81-09/30/87	466	830.	1280.547	10320.	169.	1908870.635	1381.619	282.	386.	1517.75	2940.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/04/81-09/30/87	466	744.	738.948	1778.	329.	31592.32	177.742	513.4	610.75	872.	937.3
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/04/81-09/30/87	456	37.	130.395	1891.	10.	64434.209	253.839	14.7	22.	117.5	364.9
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/01/82-09/30/87	348	0.207	0.315	2.032	0.	0.115	0.339	0.068	0.11	0.358	0.703
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/04/81-09/30/87	466	0.97	1.179	5.1	0.45	0.429	0.655	0.69	0.8	1.29	1.971
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/04/81-09/30/87	466	2.1	2.403	6.2	0.5	1.281	1.132	1.1	1.6	3.1	4.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/04/81-09/30/87	466	0.368	0.433	2.082	0.158	0.065	0.255	0.235	0.273	0.488	0.719
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/04/81-09/30/87	461	0.125	0.158	0.437	0.014	0.01	0.099	0.059	0.085	0.217	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 box-and-whisker plot

Annual Analysis for 1983 - Station CUVA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	11/04/81-09/30/87	463	91.	91.572	349.	20.	919.717	30.327	58.4	72.	107.	123.
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/04/81-09/30/87	466	7.	6.806	10.	3.1	2.302	1.517	4.6	5.6	7.9	8.8
38477	LINURON WATER, TOTUG/L	04/11/83-08/31/87	24 ##	0.	0.04	0.781	0.	0.026	0.16	0.	0.	0.	0.087
39055	SIMAZINE IN WHOLE WATER (UG/L)	12/07/81-08/31/87	23 ##	0.	0.	0.01	0.	0.	0.002	0.	0.	0.	0.
39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	12/07/81-08/31/87	24 ##	0.	0.386	7.69	0.	2.466	1.57	0.	0.	0.	0.71
77825	ALACHLOR WHOLE WATER,UG/L	12/07/81-08/31/87	24 ##	0.	0.069	1.663	0.	0.115	0.339	0.	0.	0.	0.
81294	DYFONATE(CU/H15OPS2) WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	22 ##	0.004	0.113	1.157	0.	0.092	0.303	0.	0.	0.016	0.709
81405	CARBOFURAN (EURADAN) WHOLE WATER SAMPLE UG/L	04/11/83-08/31/87	13	1.107	1.227	2.823	0.032	0.762	0.873	0.069	0.485	1.862	2.673
81408	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	12/07/81-08/31/87	20 ##	0.	0.077	1.5	0.	0.112	0.335	0.	0.	0.	0.033
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	22 ##	0.067	0.221	1.939	0.	0.217	0.466	0.	0.	0.137	0.979
82088	TERBUFOS (COUNTER) TOTAL WHOLE WATER,UG/L	12/07/81-08/31/87	24 ##	0.	0.073	1.51	0.	0.094	0.306	0.	0.	0.02	0.05
82410	PENOXALIN IN WHOLE WATER(PROWL) TOTAL UG/L	12/07/81-08/31/87	23 ##	0.	0.066	1.51	0.	0.099	0.315	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 1984 - Station CUVA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/04/81-09/30/87	429	784.	1251.352	8964.	245.	1822135.294	1349.865	328.	433.	1542.5	2749.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/04/81-09/30/87	429	744.	774.716	2490.	396.	49805.204	223.171	529.	623.	882.	1069.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/04/81-09/30/87	365	35.	117.918	1361.	10.	44809.894	211.683	13.	17.	100.5	329.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/01/82-09/30/87	334	0.261	0.588	3.824	0.	0.541	0.735	0.071	0.119	0.743	1.711
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/04/81-09/30/87	429	1.04	1.528	35.79	0.53	3.939	1.985	0.76	0.855	1.745	2.76
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/04/81-09/30/87	425	2.1	2.354	7.5	0.6	1.285	1.133	1.1	1.4	3.15	3.9
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/04/81-09/30/87	420	0.372	0.425	1.907	0.16	0.051	0.225	0.225	0.274	0.482	0.698
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/04/81-09/30/87	426	0.128	0.162	0.537	0.017	0.013	0.115	0.043	0.071	0.233	0.321
00940	CHLORIDE,TOTAL IN WATER MG/L	11/04/81-09/30/87	428	95.	104.493	558.	40.	2108.822	45.922	66.9	79.	112.	164.1
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/04/81-09/30/87	396	7.7	8.15	20.7	3.	9.513	3.084	4.6	6.625	9.	11.7
38477	LINURON WATER, TOTUG/L	04/11/83-08/31/87	17 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39055	SIMAZINE IN WHOLE WATER (UG/L)	12/07/81-08/31/87	16 ##	0.1	0.663	4.	0.	1.27	1.127	0.	0.	1.	2.6
39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	12/07/81-08/31/87	19 ##	0.	0.032	0.6	0.	0.019	0.138	0.	0.	0.	0.
77825	ALACHLOR WHOLE WATER,UG/L	12/07/81-08/31/87	14 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
81294	DYFONATE(CU/H15OPS2) WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	19 ##	0.	0.005	0.029	0.	0.	0.01	0.	0.	0.008	0.026
81405	CARBOFURAN (EURADAN) WHOLE WATER SAMPLE UG/L	04/11/83-08/31/87	17 ##	0.	0.228	1.849	0.	0.288	0.537	0.	0.	0.	1.263
81408	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	12/07/81-08/31/87	18 ##	0.	0.016	0.071	0.	0.001	0.027	0.	0.	0.043	0.061
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	19 ##	0.	0.005	0.06	0.	0.	0.014	0.	0.	0.	0.02
82088	TERBUFOS (COUNTER) TOTAL WHOLE WATER,UG/L	12/07/81-08/31/87	19 ##	0.	0.001	0.023	0.	0.	0.005	0.	0.	0.	0.
82410	PENOXALIN IN WHOLE WATER(PROWL) TOTAL UG/L	12/07/81-08/31/87	19 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

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Annual Analysis for 1985 - Station CUVA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/04/81-09/30/87	438	779.	1387.384	9044.	175.	2455102.956	1566.877	276.	375.	1777.5	3297.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/04/81-09/30/87	484	786.	793.019	2310.	351.	69846.176	264.284	464.	606.25	938.75	1082.5
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/04/81-09/30/87	462	45.	173.266	6929.	10.	248750.183	498.749	15.	20.	160.	420.3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/01/82-09/30/87	353	0.144	0.239	2.08	0.	0.083	0.289	0.066	0.088	0.258	0.545
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/04/81-09/30/87	485	0.97	1.315	23.	0.49	2.394	1.547	0.72	0.82	1.335	2.014
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/04/81-09/30/87	484	2.3	2.454	6.1	0.8	1.203	1.097	1.15	1.6	3.1	4.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/04/81-09/30/87	485	0.335	0.434	7.006	0.136	0.281	0.53	0.197	0.243	0.456	0.673
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/04/81-09/30/87	414	0.108	0.118	1.119	-0.004	0.012	0.108	0.023	0.048	0.185	0.305
00940	CHLORIDE,TOTAL IN WATER MG/L	11/04/81-09/30/87	485	101.	115.575	579.	37.	4617.319	67.951	57.	81.	118.	203.4
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/04/81-09/30/87	485	9.5	9.636	39.2	1.7	10.535	3.246	7.4	8.6	10.2	11.1
38477	LINURON WATER, TOTUG/L	04/11/83-08/31/87	28 ##	0.	0.296	7.207	0.	1.864	1.365	0.	0.	0.	0.242

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Annual Analysis for 1985 - Station CUVA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39055	SIMAZINE IN WHOLE WATER (UG/L)	12/07/81-08/31/87	13 ##	0.1	0.218	2.	0.	0.29	0.538	0.	0.02	0.125	1.26
39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	12/07/81-08/31/87	28 ##	0.	0.047	0.81	0.	0.025	0.157	0.	0.	0.	0.157
77825	ALACHLOR WHOLE WATER,UG/L	12/07/81-08/31/87	24 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
81294	DYFONATE(CU/H15OPS2) WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	28 ##	0.	0.007	0.027	0.	0.	0.009	0.	0.	0.016	0.021
81405	CARBOFURAN (EURADAN) WHOLE WATER SAMPLE UG/L	04/11/83-08/31/87	26 ##	0.	0.111	0.977	0.	0.077	0.277	0.	0.	0.021	0.757
81408	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	12/07/81-08/31/87	28 ##	0.	0.001	0.018	0.	0.	0.003	0.	0.	0.	0.
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	26 ##	0.013	0.038	0.122	0.	0.002	0.045	0.	0.	0.081	0.11
82088	TERBUFOS (COUNTER) TOTAL WHOLE WATER,UG/L	12/07/81-08/31/87	28 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
82410	PENOXALIN IN WHOLE WATER(PROWL) TOTAL UG/L	12/07/81-08/31/87	28 ##	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 1986 - Station CUVA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/04/81-09/30/87	480	844.5	1276.363	7081.	150.	1456953.192	1207.043	279.	468.	1676.75	2869.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/04/81-09/30/87	484	730.	747.903	1563.	400.	38891.566	197.209	515.5	603.	867.75	990.5
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/04/81-09/30/87	467	48.	162.831	3285.	10.	105124.295	324.229	15.	23.	152.	400.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/01/82-09/30/87	342	0.128	0.203	1.89	0.	0.042	0.206	0.061	0.078	0.243	0.482
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/04/81-09/30/87	484	1.17	1.405	7.64	0.55	0.681	0.825	0.875	1.01	1.46	2.17
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/04/81-09/30/87	484	1.8	2.118	40.4	0.8	3.89	1.972	1.1	1.4	2.4	3.45
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/04/81-09/30/87	484	0.249	0.329	2.248	0.097	0.067	0.258	0.158	0.189	0.366	0.559
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/04/81-09/30/87	425	0.078	0.094	3.168	-0.004	0.029	0.171	0.015	0.035	0.124	0.215
00940	CHLORIDE,TOTAL IN WATER MG/L	11/04/81-09/30/87	452	93.	105.133	416.	43.	3071.548	55.422	61.	76.	111.	138.7
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/04/81-09/30/87	481	7.5	7.305	14.1	1.1	4.872	2.207	4.02	6.4	8.5	9.9
38477	LINURON WATER, TOTUG/L	04/11/83-08/31/87	12 ##	0.	0.003	0.033	0.	0.	0.009	0.	0.	0.	0.023
39055	SIMAZINE IN WHOLE WATER (UG/L)	12/07/81-08/31/87	5	1.	1.2	2.	0.	0.7	0.837	**	**	**	**
39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	12/07/81-08/31/87	12 ##	0.078	0.393	2.69	0.	0.598	0.773	0.	0.005	0.443	2.159
77825	ALACHLOR WHOLE WATER,UG/L	12/07/81-08/31/87	7 ##	0.	0.305	1.451	0.	0.32	0.566	**	**	**	**
81294	DYFONATE(CU/H15OPS2) WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	9 ##	0.006	0.029	0.212	0.	0.005	0.069	0.	0.	0.016	0.212
81405	CARBOFURAN (EURADAN) WHOLE WATER SAMPLE UG/L	04/11/83-08/31/87	12 ##	0.	0.013	0.062	0.	0.001	0.022	0.	0.	0.024	0.059
81408	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	12/07/81-08/31/87	4 ##	0.	0.011	0.044	0.	0.	0.022	**	**	**	**
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	12 ##	0.027	0.027	0.069	0.	0.001	0.024	0.	0.005	0.037	0.069
82088	TERBUFOS (COUNTER) TOTAL WHOLE WATER,UG/L	12/07/81-08/31/87	12 ##	0.	0.001	0.009	0.	0.	0.003	0.	0.	0.	0.006
82410	PENOXALIN IN WHOLE WATER(PROWL) TOTAL UG/L	12/07/81-08/31/87	10 ##	0.	0.002	0.022	0.	0.	0.007	0.	0.	0.	0.02

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

Annual Analysis for 1987 - Station CUVA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/04/81-09/30/87	306	681.	1134.797	10392.	252.	1990127.697	1410.719	337.8	479.	1056.25	2216.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/04/81-09/30/87	310	771.5	782.384	1814.	340.	45328.852	212.906	547.	634.	886.25	977.7
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/04/81-09/30/87	289	48.	148.028	2148.	10.	79346.562	281.685	14.	22.	133.	390.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/01/82-09/30/87	97	0.101	0.175	0.903	0.	0.032	0.179	0.057	0.07	0.2	0.463
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/04/81-09/30/87	299	1.2	1.401	6.27	0.33	0.562	0.749	0.86	0.99	1.51	2.21
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/04/81-09/30/87	310	2.1	2.166	4.5	0.05	0.602	0.776	1.2	1.6	2.7	3.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/04/81-09/30/87	303	0.244	0.303	2.164	0.07	0.055	0.233	0.125	0.185	0.34	0.541
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/04/81-09/30/87	301	0.08	0.081	0.212	0.014	0.001	0.038	0.032	0.052	0.11	0.13
00940	CHLORIDE,TOTAL IN WATER MG/L	11/04/81-09/30/87	285	98.	101.446	316.	16.	1470.924	38.353	61.6	78.	115.5	148.4
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/04/81-09/30/87	306	6.9	6.466	10.9	1.3	3.563	1.887	3.47	5.475	7.7	8.4
38477	LINURON WATER, TOTUG/L	04/11/83-08/31/87	8 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39055	SIMAZINE IN WHOLE WATER (UG/L)	12/07/81-08/31/87	6 ##	0.	0.167	1.	0.	0.167	0.408	**	**	**	**
39356	METOLACHLOR(DUAL) IN WHOLE WATER UG/L	12/07/81-08/31/87	8 ##	0.068	0.968	4.44	0.	3.103	1.761	**	**	**	**
77825	ALACHLOR WHOLE WATER,UG/L	12/07/81-08/31/87	8 ##	0.	0.124	0.939	0.	0.109	0.33	**	**	**	**

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Annual Analysis for 1987 - Station CUVA0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81294	DYFONATE(CU/H15OPS2) WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	8 ##	0.	0.061	0.314	0.	0.014	0.119	**	**	**	**
81405	CARBOFURAN (EURADAN) WHOLE WATER SAMPLE UG/L	04/11/83-08/31/87	7 ##	0.	3.082	21.459	0.	65.669	8.104	**	**	**	**
81408	METRIBUZIN (SENCOR), WATER, WHOLE UG/L	12/07/81-08/31/87	7 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81757	CYANAZINE IN THE WHOLE WATER SAMPLE UG/L	12/07/81-08/31/87	7 ##	0.	0.017	0.07	0.	0.001	0.027	**	**	**	**
82088	TERBUFOS (COUNTER) TOTAL WHOLE WATER,UG/L	12/07/81-08/31/87	8 ##	0.	0.134	1.075	0.	0.144	0.38	**	**	**	**
82410	PENOXALIN IN WHOLE WATER(PROWL) TOTAL UG/L	12/07/81-08/31/87	7 ##	0.	0.139	0.958	0.	0.13	0.361	**	**	**	**

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Station Inventory for Station: CUVA0205

NPS Station ID: CUVA0205 | LAT/LON: 41.413337/ -81.570560 | Agency: 21OHIO | Date Created: 06/22/85
Location: TRIB TO MILL CRK JUST UPST AL. SMELT. & REF. CO. | FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): F01S56
RMI-Indexes: 0603002 000090 00100 | Within Park Boundary: No
RMI-Miles: 0011.49 0005.80 000.95
HUC: 04110002 | Depth of Water: 0 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER | ECO Region:
RF1 Index: 04110002 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 04110002001902.73 | RF3 Mile Point: 3.88 | Distance from RF3: 0.62 | On/Off RF3:
Description:
PURPOSE - SHORT-TERM SURVEY TO DETERMINE THE IMPACT OF THE ALUMINUM SMELTING AND REFINING CO. ON AN UNNAMED TRIBUTARY AND MILL CREEK.
LOCATION - CUYAHOGA CO.; LOCATED JUST UPSTREAM FROM THE ALUMINUM SMELTING AND REFINING CO. OUTFALL; IN MAPLE HEIGHTS.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0205

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/18/85-04/18/85	1	9000.	9000.	9000.	9000.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/18/85-04/18/85	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	04/18/85-04/18/85	1	65.	65.	65.	65.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/18/85-04/18/85	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/18/85-04/18/85	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/85-04/18/85	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/85-04/18/85	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/85-04/18/85	1	12.6	12.6	12.6	12.6	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/85-04/18/85	1	0.91	0.91	0.91	0.91	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/85-04/18/85	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/18/85-04/18/85	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/85-04/18/85	1	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/18/85-04/18/85	1	548.	548.	548.	548.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/18/85-04/18/85	1	147.	147.	147.	147.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/18/85-04/18/85	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	04/18/85-04/18/85	1	1340.	1340.	1340.	1340.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/18/85-04/18/85	1	2780.	2780.	2780.	2780.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/18/85-04/18/85	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/18/85-04/18/85	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/18/85-04/18/85	1	145.	145.	145.	145.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/18/85-04/18/85	1	1420.	1420.	1420.	1420.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/18/85-04/18/85	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/18/85-04/18/85	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/18/85-04/18/85	1	980.	980.	980.	980.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/18/85-04/18/85	1	2920.	2920.	2920.	2920.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/18/85-04/18/85	1	5790.	5790.	5790.	5790.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0205

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00							1	0	0.00			
00400	PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	1	1.00							1	1	1.00			
		Drinking Water	250.	1	1	1.00							1	1	1.00			
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	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.	1	1	1.00							1	1	1.00			
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	1	1.00							1	1	1.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: CUVA0206

NPS Station ID: CUVA0206 LAT/LON: 41.413616/ -81.647504 Agency: 21OHIO Date Created: 03/29/80
Location: UNNAMED TRIB TO CUYAHOGA R NR CLEVLND- SCHAAF RD FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01P11
RMI-Indexes: 0603002 000080 Within Park Boundary: No
RMI-Miles: 0011.05 0000.25
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 9.310 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002033800.00 RF3 Mile Point: 0.00 Distance from RF3: 0.01 On/Off RF3:
Description:
PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS LOCATION-CUYAHOGA COUNTY; UNNAMED TRIB TO CUYAHOGA RIVER AT SCHAAF ROAD
IN INDEPENDENCE NR CLEVELAND RMI=1187.93/11.05/0.25
COLLECTION-OHIO EPA NORTHEAST DIST OFFICE

Parameter Inventory for Station: CUVA0206

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/75-11/06/75	1	12.2	12.2	12.2	12.2	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/75-11/06/75	1	650.	650.	650.	650.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/06/75-11/06/75	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/06/75-11/06/75	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/06/75-11/06/75	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/06/75-11/06/75	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/75-11/06/75	1	286.	286.	286.	286.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/06/75-11/06/75	1	86.	86.	86.	86.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/06/75-11/06/75	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/06/75-11/06/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/06/75-11/06/75	1	130.	130.	130.	130.	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	11/06/75-11/06/75	1	0.17	0.17	0.17	0.17	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

EPA Water Quality Criteria Analysis for Station: CUVA0206

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
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						
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						

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

Station Inventory for Station: CUVA0207

NPS Station ID: CUVA0207 LAT/LON: 41.413892/ -81.571393 Agency: 21OHIO Date Created: 06/22/85
Location: TRIB TO MILL CRK JUST DST AL. SMELT. & REF. CO. FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S55
RMI-Indexes: 0603002 000090 00100 Within Park Boundary: No
RMI-Miles: 0011.49 0005.80 000.90
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 04110002001902.73 RF3 Mile Point: 3.42 Distance from RF3: 0.05 On/Off RF3:
Description:
PURPOSE - SHORT-TERM SURVEY TO DETERMINE THE IMPACT OF THE ALUMINUM SMELTING AND REFINING CO. ON AN UNNAMED TRIBUTARY AND MILL CREEK.
LOCATION - CUYAHOGA CO.; LOCATED JUST DOWNSTREAM FROM THE ALUMINUM SMELTING AND REFINING CO. OUTFALL; IN MAPLE HEIGHTS.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0207

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/85-04/18/85	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/18/85-04/18/85	1	5000.	5000.	5000.	5000.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/18/85-04/18/85	1	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	04/18/85-04/18/85	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/18/85-04/18/85	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/18/85-04/18/85	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/85-04/18/85	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/18/85-04/18/85	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/18/85-04/18/85	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/18/85-04/18/85	1	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/18/85-04/18/85	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/18/85-04/18/85	1	1.93	1.93	1.93	1.93	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/18/85-04/18/85	1	0.034	0.034	0.034	0.034	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/18/85-04/18/85	1	428.	428.	428.	428.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/18/85-04/18/85	1	117.	117.	117.	117.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/18/85-04/18/85	1	32.9	32.9	32.9	32.9	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	04/18/85-04/18/85	1	760.	760.	760.	760.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/18/85-04/18/85	1	1670.	1670.	1670.	1670.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/18/85-04/18/85	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/18/85-04/18/85	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/18/85-04/18/85	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/18/85-04/18/85	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/18/85-04/18/85	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/18/85-04/18/85	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/18/85-04/18/85	1	550.	550.	550.	550.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/18/85-04/18/85	1	1760.	1760.	1760.	1760.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/18/85-04/18/85	1	3510.	3510.	3510.	3510.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0207

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00							1	0	0.00			
00400	PH	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	1	1.00							1	1	1.00			
		Drinking Water	250.	1	1	1.00							1	1	1.00			
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	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.	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	1	1.00							1	1	1.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: CUVA0208

NPS Station ID: CUVA0208
LAT/LON: 41.414170/ -81.638059
Agency: 1115E050
Date Created: / /
Location: CUYAHOGA RIVER
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 380011
RMI-Indexes: 0603002
Within Park Boundary: No
RMI-Miles: 0011.90
HUC: 04110002
Depth of Water: 999
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 9.610
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 04110002000100.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:
GRANGER RD. BETWEEN WARNER RD. AND CLOVERLEAF OF ROUTE 21, CLEVELAND

Parameter Inventory for Station: CUVA0208

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	03/01/72-03/02/72	2	1.75	1.75	2.	1.5	0.125	0.354	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	03/01/72-03/02/72	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: CUVA0209

NPS Station ID: CUVA0209 LAT/LON: 41.414170/ -81.638059 Agency: 21OHIO Date Created: 10/31/87
Location: CUYAHOGA R. UPST CONFL MILL CREEK - GRANGER RD. FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01A26
RMI-Indexes: 0603002 Within Park Boundary: No
RMI-Miles: 0011.66
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 9.90 On/Off RF1:
RF3 Index: 04110002001900.00 RF3 Mile Point: 0.81 Distance from RF3: 0.51 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER.
LOCATION - CUYAHOGA CO.; LOCATED AT THE GRANGER RD. BRIDGE, JUST UPSTREAM FROM THE CONFLUENCE OF MILL CREEK.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/87-10/29/87	4	19.	17.5	23.5	8.5	43.167	6.57	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/15/87-10/29/87	4	482.	567.75	872.	435.	42496.25	206.146	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/15/87-10/29/87	4	595.	648.	848.	554.	19165.333	138.439	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/15/87-10/29/87	4	8.1	8.575	10.4	7.7	1.576	1.255	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/15/87-10/29/87	4	24.5	24.5	28.	21.	8.333	2.887	**	**	**	**
00400	PH (STANDARD UNITS)	07/15/87-10/29/87	4	7.5	7.7	8.3	7.5	0.16	0.4	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/15/87-10/29/87	4	7.5	7.603	8.3	7.5	0.173	0.416	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/87-10/29/87	4	0.032	0.025	0.032	0.005	0.	0.013	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/15/87-10/29/87	4	42.	39.5	64.	10.	590.333	24.297	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/15/87-10/29/87	4	0.065	0.064	0.1	0.025	0.001	0.031	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/15/87-10/29/87	4	0.025	0.025	0.04	0.01	0.	0.013	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/15/87-10/29/87	4	0.95	1.	1.4	0.7	0.087	0.294	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/15/87-10/29/87	4	1.605	2.06	3.73	1.3	1.288	1.135	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/87-10/29/87	4	0.22	0.233	0.37	0.12	0.011	0.104	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/15/87-10/29/87	4	205.	212.	256.	182.	1194.	34.554	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/15/87-10/29/87	4	59.55	60.9	73.	51.5	97.847	9.892	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/15/87-10/29/87	4	13.85	14.5	17.9	12.4	6.207	2.491	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/15/87-10/29/87	4	3.	3.	3.	3.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/22/76-10/29/87	5 ##	0.1	0.62	2.5	0.1	1.112	1.055	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/15/87-10/29/87	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/22/76-10/29/87	5 ##	5.	7.2	15.	5.	19.2	4.382	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/22/76-10/29/87	5	2430.	2384.	4840.	370.	2872330.	1694.795	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/22/76-10/29/87	5	7.	6.8	10.	4.	5.7	2.387	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/22/76-10/29/87	5	145.	133.	190.	75.	2082.5	45.634	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/15/87-10/29/87	4 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/22/76-10/29/87	5	40.	40.	60.	20.	250.	15.811	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/15/87-10/29/87	4	980.	957.5	1620.	250.	381758.333	617.866	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/15/87-10/29/87	4	410.	441.	580.	364.	9921.333	99.606	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/22/76-07/22/76	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0209

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	4	0	0.00	4	0	0.00									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	0	0.00	4	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	4	0	0.00	4	0	0.00									
		Drinking Water	50.	4	0	0.00	4	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	0	0.00	5	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	4	0	0.00									
		Drinking Water	100.	4	0	0.00	4	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	5	0	0.00	5	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: CUVA0210

NPS Station ID: CUVA0210 LAT/LON: 41.414726/ -81.647781 Agency: 21OHIO Date Created: 03/29/80
Location: UNNAMED TRIB TO CUYAHOGA R NR CLEVELAND - SR 17 FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01P10
RMI-Indexes: 0603002 000080 Within Park Boundary: No
RMI-Miles: 0011.05 0000.19
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 9.310 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002001900.00 RF3 Mile Point: 2.03 Distance from RF3: 0.04 On/Off RF3:
Description:
PURPOSE-OHIO EPA SPECIAL &/OR SHORT TERM SURVEYS LOCATION-CUYAHOGA COUNTY; UNNAMED TRIB TO CUYAHOGA RIVER AT SR 17 IN INDEPENDENCE NEAR CLEVELAND RMI=1187.93/11.05/0.19
COLLECTION-OHIO EPA NORTHEAST DIST OFFICE

Parameter Inventory for Station: CUVA0210

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	06/03/75-06/03/75	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/03/75-06/03/75	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/03/75-06/03/75	1	3150.	3150.	3150.	3150.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/03/75-06/03/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/03/75-06/03/75	1	150.	150.	150.	150.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/03/75-06/03/75	1	120.	120.	120.	120.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/03/75-06/03/75	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0210

Parameter				Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
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			
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			

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

Station Inventory for Station: CUVA0211

NPS Station ID: CUVA0211 | LAT/LON: 41.417226/ -81.640837 | Agency: 21OHIO | Date Created: 05/31/86
Location: CUYAHOGA R. UPST. S.R. 21/RR BRIDGE (RM 11.4) | FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): F01S71
RMI-Indexes: 0603002 | Within Park Boundary: No
RMI-Miles: 0011.40
HUC: 04110002 | Depth of Water: 0 | Aquifer:
Major Basin: LAKE ERIE | Elevation: 0 | Water Body Id:
Minor Basin: CUYAHOGA RIVER | ECO Region:
RF1 Index: 04110002001 | RF1 Mile Point: 11.090 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 04110002061301.09 | RF3 Mile Point: 1.08 | Distance from RF3: 0.01 | On/Off RF3:
Description:
PURPOSE - FOLLOW UP SAMPLING TO THE 1984 CUYAHOGA RIVER SURVEY. THIS SITE CONTAINS SEDIMENT DATA.
LOCATION - CUYAHOGA CO.; LOCATED JUST USTREAM FROM THE ST. RT. 21/ RAILROAD BRIDGE, UPSTREAM FROM THE CLEVELAND SOUTHERLY WWTP.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0211

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	08/12/85-08/12/85	1	20400.	20400.	20400.	20400.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	08/12/85-08/12/85	1	4850.	4850.	4850.	4850.	0.	0.	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	08/12/85-08/12/85	1	216.	216.	216.	216.	0.	0.	**	**	**	**
00938	POTASSIUM IN BOTTOM DEPOSITS (MG/KG AS K DRY WGT)	08/12/85-08/12/85	1	1010.	1010.	1010.	1010.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/12/85-08/12/85	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	08/12/85-08/12/85	1	38.	38.	38.	38.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/12/85-08/12/85	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/12/85-08/12/85	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/12/85-08/12/85	1	156.	156.	156.	156.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/12/85-08/12/85	1	48.4	48.4	48.4	48.4	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/12/85-08/12/85	1	663.	663.	663.	663.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/12/85-08/12/85	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	08/12/85-08/12/85	1	36.	36.	36.	36.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/12/85-08/12/85	1	223.	223.	223.	223.	0.	0.	**	**	**	**
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/12/85-08/12/85	1	7500.	7500.	7500.	7500.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/12/85-08/12/85	1	770000.	770000.	770000.	770000.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: CUVA0212

NPS Station ID: CUVA0212 LAT/LON: 41.417504/ -81.638338 Agency: 21OHIO Date Created: 06/01/91
Location: OHIO CANAL AT MILL CREEK AQUADUCT RM= 8.41/2.80 FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /CANAL/TYPA/AMBNT STORET Station ID(s): F01W52
RMI-Indexes: 0603002 Within Park Boundary: No
RMI-Miles: 0008.41
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 8.410 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002000100.00 RF3 Mile Point: 0.00 Distance from RF3: 0.01 On/Off RF3:
Description:
PURPOSE - OHIO EPA INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY LOCATION -OHIO CANAL AT MILL CREEK AQUADUCT. SITE IS LOCATED 2.80 RM US OF FINAL CONFLUENCE OF CANAL AND CUYAHOGA RIVER. OTHER OUTLETS FROM CANAL TO CUYAHOGA THROUGHOUT ITS LENGTH. CANAL STARTS AT RM 8.41 ON CUYAHOGA AT FLOW DIVERSION.

Parameter Inventory for Station: CUVA0212

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00335	COD, .025N K2CR2O7 MG/L	05/31/90-08/22/90	8 ##	15.5	17.125	27.	10.	61.268	7.827	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/31/90-08/22/90	8	117.5	118.25	161.	93.	512.786	22.645	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/31/90-08/22/90	8	527.	542.875	707.	358.	12718.696	112.777	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/31/90-08/22/90	8	91.5	100.625	177.	53.	1575.982	39.699	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/31/90-08/22/90	8	0.115	0.216	1.	0.025	0.102	0.32	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/31/90-08/22/90	8	0.045	0.048	0.07	0.04	0.	0.01	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/31/90-08/22/90	8	0.6	0.613	0.8	0.5	0.007	0.083	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/31/90-08/22/90	8	1.455	1.761	3.88	0.92	1.011	1.006	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/31/90-08/22/90	8	0.14	0.159	0.28	0.1	0.003	0.058	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/31/90-08/22/90	8 ##	2.5	3.95	6.9	2.5	4.091	2.023	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/31/90-08/22/90	8	194.	197.25	267.	150.	1681.357	41.004	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/31/90-08/22/90	8	55.5	56.813	76.5	42.	151.853	12.323	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/31/90-08/22/90	8	13.5	13.438	18.5	11.	6.674	2.583	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/31/90-08/22/90	8	72.	76.625	119.	49.	511.696	22.621	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/31/90-08/22/90	8 ##	0.15	0.188	0.3	0.1	0.01	0.099	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/31/90-08/22/90	8 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/31/90-08/22/90	8 ##	5.	5.625	10.	5.	3.125	1.768	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/31/90-08/22/90	8	9.5	10.	14.	5.	9.714	3.117	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/31/90-08/22/90	8 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/31/90-08/22/90	8	32.5	33.125	55.	20.	141.268	11.886	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/31/90-08/22/90	8	397.	421.125	601.	290.	14872.982	121.955	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	05/31/90-08/22/90	8	1.45	1.325	1.7	0.5	0.154	0.392	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	05/31/90-08/22/90	8	5.2	5.15	6.5	3.9	0.586	0.765	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0212

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	8	0	0.00	7	0	0.00				1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	8	0	0.00	7	0	0.00				1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	250.	8	0	0.00	7	0	0.00				1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	5.	8	0	0.00	7	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	7	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	1300.	8	0	0.00	7	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	15.	8	0	0.00	7	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	100.	8	0	0.00	7	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	8	0	0.00	7	0	0.00				1	0	0.00			
		Drinking Water	5000.	8	0	0.00	7	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: CUVA0213

NPS Station ID: CUVA0213
LAT/LON: 41.417504/ -81.641670
Agency: 12OHDO
Date Created: / /
Location: CUYAHOGA R. AT R.R. BRIDGE-RT.21
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 390138
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 04110002
Depth of Water: 999
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 9.610
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 04110002000106.67
RF3 Mile Point: 9.37
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0213

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/72-11/07/72	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/07/72-11/07/72	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/07/72-11/07/72	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	11/07/72-11/07/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/72-11/07/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	11/07/72-11/07/72	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/07/72-11/07/72	1	1540.	1540.	1540.	1540.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	11/07/72-11/07/72	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	11/07/72-11/07/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	11/07/72-11/07/72	1	35.	35.	35.	35.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/07/72-11/07/72	1	9.	9.	9.	9.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/07/72-11/07/72	1	390.	390.	390.	390.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0213

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00				1	0	0.00						
		Drinking Water	0.2	1	0	0.00				1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	1	1.00				1	1	1.00						
		Drinking Water	5.	1	1	1.00				1	1	1.00						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
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.	0 &	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						
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						

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

Station Inventory for Station: CUVA0214

NPS Station ID: CUVA0214 LAT/LON: 41.417781/ -81.638338 Agency: 21OHIO Date Created: / /
Location: MILL CREEK AT GARFIELD HTS. - CANAL RD. FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 502110
RMI-Indexes: 0603002 000090 Within Park Boundary: No
RMI-Miles: 0011.49 0000.12
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 9.610 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002002100.00 RF3 Mile Point: 0.00 Distance from RF3: 0.02 On/Off RF3:
Description:
PURPOSE - 303 PROGRAM; MEASURES WATER QUALITY OF MILL CRK. NEAR ITS MOUTH, DATA WILL BE USED TO CALCULATE LOADINGS CONTRIBUTED TO THE CUYAHOGA RIVER. LOCATION - CUYAHOGA CO.; JUST UPSTREAM FROM CANAL RD. BRIDGE NEAR GARFIELD HEIGHTS.

Parameter Inventory for Station: CUVA0214

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/73-09/12/91	39	13.	11.382	24.	0.3	55.364	7.441	0.8	4.	17.5	21.
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/28/73-10/17/73	6	24.5	25.	40.	11.	122.	11.045	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/29/77-09/12/91	17	1130.	1164.412	1938.	374.	122300.007	349.714	785.2	1000.	1298.	1850.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/73-09/12/91	21	1050.	1066.19	1510.	440.	57424.762	239.635	740.	925.	1195.	1390.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/07/73-09/12/91	36	7.6	8.622	13.8	4.7	6.229	2.496	5.85	6.825	11.2	12.26
00310	BOD, 5 DAY, 20 DEG C MG/L	08/28/73-03/28/79	20	12.5	17.365	70.	3.8	268.34	16.381	4.24	6.75	19.	44.4
00335	COD, .025N K2CR2O7 MG/L	08/28/73-09/12/91	46	30.	33.163	144.6	8.1	476.465	21.828	12.31	21.5	36.25	56.6
00400	PH (STANDARD UNITS)	08/28/73-09/12/91	26	7.1	7.117	7.8	6.	0.202	0.449	6.42	6.9	7.425	7.63
00400	CONVERTED PH (STANDARD UNITS)	08/28/73-09/12/91	26	7.089	6.825	7.8	6.	0.291	0.539	6.42	6.9	7.425	7.63
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/73-09/12/91	26	0.082	0.15	1.	0.016	0.066	0.256	0.024	0.038	0.126	0.476
00403	PH, LAB, STANDARD UNITS SU	08/28/73-06/18/81	14	7.2	7.2	7.6	6.7	0.038	0.196	6.9	7.1	7.3	7.5
00403	CONVERTED PH, LAB, STANDARD UNITS	08/28/73-06/18/81	14	7.2	7.154	7.6	6.7	0.041	0.202	6.9	7.1	7.3	7.5
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/73-06/18/81	14	0.063	0.07	0.2	0.025	0.002	0.04	0.032	0.05	0.079	0.139
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/28/74-09/25/90	13	199.	199.231	252.	95.	1601.526	40.019	124.6	181.	229.	248.4
00500	RESIDUE, TOTAL (MG/L)	08/28/73-09/25/90	29	944.	1006.621	2601.	674.	125468.601	354.215	710.	800.	1067.	1294.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/28/73-12/20/79	23	861.	959.957	1930.	318.	138522.316	372.186	535.6	784.	1062.	1666.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/28/73-09/12/91	47	22.	38.298	361.	5.	2925.562	54.088	8.6	15.	46.	83.
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	02/14/74-09/29/77	9	2.1	1.922	5.	0.2	1.902	1.379	0.2	0.8	2.2	5.
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	09/30/80-09/30/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/28/73-09/12/91	52	3.71	4.454	8.62	0.06	5.03	2.243	1.712	2.975	6.528	7.798
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/06/75-09/12/91	34	0.345	0.327	0.7	0.05	0.04	0.2	0.07	0.09	0.493	0.565
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/73-09/12/91	51	5.4	5.754	11.9	1.23	6.85	2.617	2.48	3.5	7.6	9.252
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/28/73-09/12/91	51	1.15	1.782	8.5	0.3	3.834	1.958	0.4	0.73	1.53	5.4
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/28/73-10/17/73	7	1.	0.764	1.75	0.	0.56	0.748	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	02/06/75-02/06/75	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/14/74-09/12/91	43	0.2	0.513	7.25	0.	1.24	1.114	0.054	0.1	0.57	1.146
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/28/74-09/25/90	17	7.7	8.959	17.	2.5	13.075	3.616	5.3	6.85	11.75	15.
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	03/28/74-09/26/91	12	0.011	0.012	0.023	0.	0.	0.007	0.002	0.01	0.02	0.023
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/09/75-09/12/91	42	346.5	344.381	512.	132.	4607.315	67.877	267.4	309.	387.5	419.1
00916	CALCIUM, TOTAL (MG/L AS CA)	02/14/74-09/26/91	26	101.	95.219	129.	56.8	429.237	20.718	60.78	83.25	110.25	122.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	02/14/74-09/26/91	27	23.	22.919	32.	12.9	26.754	5.172	15.14	19.	27.	30.2

** - 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: CUVA0214

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00929	SODIUM, TOTAL (MG/L AS NA)	02/14/74-09/26/91	11	104.	116.873	252.	61.8	3236.936	56.894	64.	75.1	134.	238.6
00937	POTASSIUM, TOTAL MG/L AS K)	03/28/74-09/26/91	10	17.15	16.95	22.2	11.2	15.578	3.947	11.25	13.35	20.25	22.2
00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/73-09/12/91	48	197.	249.063	1040.	73.	29586.06	172.006	129.2	172.	254.5	421.9
00945	SULFATE, TOTAL (MG/L AS SO4)	02/14/74-06/04/75	7	173.	170.286	237.	76.	2417.238	49.165	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/28/74-10/18/79	10	0.575	0.547	0.71	0.27	0.016	0.125	0.286	0.49	0.62	0.707
00951	FLUORIDE, TOTAL (MG/L AS F)	06/18/80-06/18/81	3	0.79	0.75	0.79	0.67	0.005	0.069	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/23/84-09/26/91	14	2.	2.5	5.	1.	1.5	1.225	1.	1.75	3.25	4.5
01007	BARIUM, TOTAL (UG/L AS BA)	03/28/74-09/26/91	8	75.5	114.25	300.	54.	7881.929	88.78	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/11/91-09/26/91	6 ##	0.5	0.583	1.	0.5	0.042	0.204	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/28/74-09/26/91	40	1.	1.84	10.	0.	4.91	2.216	0.1	0.2	2.5	5.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	03/28/74-06/04/75	5	30.	24.	30.	0.	180.	13.416	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	02/14/74-09/26/91	43 ##	15.	25.035	220.	1.	1082.636	32.903	3.5	15.	30.	40.
01037	COBALT, TOTAL (UG/L AS CO)	09/11/91-09/26/91	6 ##	2.	2.667	4.	2.	1.067	1.033	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	02/14/74-09/26/91	50	27.5	39.17	190.	5.	1772.618	42.102	5.	7.75	52.5	99.
01045	IRON, TOTAL (UG/L AS FE)	02/14/74-09/26/91	33	4000.	6425.424	47000.	779.	74230622.189	8615.719	1226.	1815.	6990.	13296.
01051	LEAD, TOTAL (UG/L AS PB)	03/28/74-09/26/91	49	5.	9.276	48.	0.	120.053	10.957	1.	2.	10.5	28.
01055	MANGANESE, TOTAL (UG/L AS MN)	02/14/74-09/26/91	10	172.	280.47	870.	97.7	59317.565	243.552	98.73	121.5	432.5	830.
01059	THALLIUM, TOTAL (UG/L AS TL)	09/11/91-09/26/91	6 ##	2.5	3.25	8.	1.5	5.575	2.361	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	02/16/78-09/26/91	38 ##	20.	38.211	100.	3.	1208.157	34.759	3.9	20.	50.	100.
01077	SILVER, TOTAL (UG/L AS AG)	09/11/91-09/26/91	6 ##	2.	1.833	2.	1.	0.167	0.408	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	03/28/74-03/28/74	1	400.	400.	400.	400.	0.	0.	**	**	**	**
01087	VANADIUM, TOTAL (UG/L AS V)	09/11/91-09/26/91	6 ##	2.	3.333	9.	1.5	8.667	2.944	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	02/14/74-09/26/91	51	180.	266.51	1280.	20.	86488.055	294.089	35.2	70.	340.	760.
01097	ANTIMONY, TOTAL (UG/L AS SB)	09/11/91-09/26/91	6 ##	22.75	18.833	30.	5.5	92.567	9.621	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	02/14/74-09/26/91	14	973.	2530.571	8600.	355.	8051625.956	2837.539	420.5	583.75	4125.	8350.
01147	SELENIUM, TOTAL (UG/L AS SE)	08/15/91-09/26/91	8 ##	2.	1.75	2.	1.	0.214	0.463	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/74-09/12/84	26	10000.	16861.577	56000.	71.	309077670.254	17580.605	449.	2625.	28750.	45700.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/14/74-09/12/84	26	3.998	3.849	4.748	1.851	0.551	0.742	2.645	3.416	4.453	4.658
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7069.25								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	03/28/74-06/18/81	22	15000.	24730.864	117000.	429.	810171132.6	28463.505	667.	5450.	39250.	66900.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	03/28/74-06/18/81	22	4.167	4.046	5.068	2.632	0.451	0.671	2.816	3.736	4.594	4.822
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			11110.504								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/28/73-09/12/84	34	8.	8.912	22.	0.	34.81	5.9	1.	5.	12.	19.5
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	02/14/74-06/18/81	23	0.51	0.576	1.65	0.18	0.126	0.355	0.188	0.29	0.69	1.152
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/04/75-09/29/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/04/75-09/29/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	0.002	0.002	0.003	0.	0.	0.002	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/29/77-09/29/77	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	06/04/75-09/29/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/20/80-09/12/91	25	832.	832.24	1090.	400.	23855.107	154.451	651.2	720.	952.	1034.8
71900	MERCURY, TOTAL (UG/L AS HG)	03/28/74-09/26/91	26 ##	0.25	0.375	1.	0.	0.114	0.337	0.1	0.1	0.5	1.
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	05/31/90-09/25/90	12	1.35	1.842	4.2	0.5	1.517	1.232	0.5	1.05	2.4	4.17
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	05/31/90-09/25/90	12	6.	6.225	11.	3.1	4.66	2.159	3.31	4.6	7.3	10.16

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: CUVA0214

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	36	0	0.00	16	0	0.00	8	0	0.00	12	0	0.00			
00400	PH	Other-Hi Lim.	9.	26	0	0.00	15	0	0.00	6	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	26	2	0.08	15	1	0.07	6	0	0.00	5	1	0.20			
00403	PH, LAB	Other-Hi Lim.	9.	14	0	0.00	8	0	0.00	3	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	14	0	0.00	8	0	0.00	3	0	0.00	3	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	34	0	0.00	21	0	0.00	5	0	0.00	8	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	51	0	0.00	28	0	0.00	9	0	0.00	14	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	12	2	0.17	6	2	0.33	3	0	0.00	3	0	0.00			
		Drinking Water	0.2	12	0	0.00	6	0	0.00	3	0	0.00	3	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	48	1	0.02	27	0	0.00	6	1	0.17	15	0	0.00			
		Drinking Water	250.	48	13	0.27	27	4	0.15	6	5	0.83	15	4	0.27			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	7	0	0.00				4	0	0.00	3	0	0.00			
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	10	0	0.00	2	0	0.00	1	0	0.00	7	0	0.00			
00951	FLOURIDE, TOTAL AS F	Drinking Water	4.	3	0	0.00							3	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	14	0	0.00	14	0	0.00									
		Drinking Water	50.	14	0	0.00	14	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	8	0	0.00	6	0	0.00				2	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	6	0	0.00	6	0	0.00									
		Drinking Water	4.	6	0	0.00	6	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	40	8	0.20	26	1	0.04	5	4	0.80	9	3	0.33			
		Drinking Water	5.	40	8	0.20	26	1	0.04	5	4	0.80	9	3	0.33			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	5	4	0.80				2	2	1.00	3	2	0.67			
		Drinking Water	100.	5	0	0.00				2	0	0.00	3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	43	1	0.02	26	0	0.00	7	1	0.14	10	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	50	27	0.54	26	4	0.15	9	9	1.00	15	14	0.93			
		Drinking Water	1300.	50	0	0.00	26	0	0.00	9	0	0.00	15	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	49	0	0.00	27	0	0.00	7	0	0.00	15	0	0.00			
		Drinking Water	15.	49	9	0.18	27	1	0.04	7	5	0.71	15	3	0.20			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	6	0	0.00	6	0	0.00									
		Drinking Water	2.	2 &	1	0.50	2	1	0.50									
01067	NICKEL, TOTAL	Fresh Acute	1400.	38	0	0.00	26	0	0.00	4	0	0.00	8	0	0.00			
		Drinking Water	100.	38	8	0.21	26	1	0.04	4	4	1.00	8	3	0.38			
01077	SILVER, TOTAL	Fresh Acute	4.1	6	0	0.00	6	0	0.00									
		Drinking Water	100.	6	0	0.00	6	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	51	29	0.57	27	6	0.22	9	9	1.00	15	14	0.93			
		Drinking Water	5000.	51	0	0.00	27	0	0.00	9	0	0.00	15	0	0.00			
01097	ANTIMONY, TOTAL	Fresh Acute	88.	6	0	0.00	6	0	0.00									
		Drinking Water	6.	3 &	2	0.67	3	2	0.67									
01147	SELENIUM, TOTAL	Fresh Acute	20.	8	0	0.00	8	0	0.00									
		Drinking Water	50.	8	0	0.00	8	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	26	25	0.96	7	7	1.00	6	6	1.00	13	12	0.92			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	2	0	0.00	1	0	0.00				1	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	0.2	2	0	0.00	1	0	0.00				1	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	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			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	2	0	0.00	1	0	0.00				1	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	2	0	0.00	1	0	0.00				1	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	2	0	0.00	1	0	0.00				1	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	2	0	0.00	1	0	0.00				1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	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			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	0.4	2	0	0.00	1	0	0.00				1	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	0.2	2	0	0.00	1	0	0.00				1	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	2	0	0.00	1	0	0.00				1	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	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: CUVA0214

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
39782	LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	0.2	2	0	0.00	1	0	0.00				1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	26	0	0.00	13	0	0.00	3	0	0.00	10	0	0.00			
		Drinking Water	2.	26	0	0.00	13	0	0.00	3	0	0.00	10	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/31 - Station CUVA0214

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/73-09/12/91	17	17.5	17.5	24.	10.	15.875	3.984	11.6	13.5	20.75	23.2
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/29/77-09/12/91	9	1130.	1114.222	1350.	888.	20059.194	141.63	888.	1005.	1217.5	1350.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/73-09/12/91	11	1190.	1191.818	1510.	900.	35356.364	188.033	910.	1050.	1350.	1488.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/07/73-09/12/91	16	6.9	6.856	9.1	5.2	1.009	1.005	5.41	6.225	7.2	8.75
00335	COD, .025N K2CR2O7 MG/L	08/28/73-09/12/91	28	24.5	23.479	37.	8.1	71.615	8.463	10.	16.275	30.	34.1
00400	PH (STANDARD UNITS)	08/28/73-09/12/91	15	7.25	7.19	7.7	6.	0.174	0.418	6.6	7.	7.5	7.64
00400	CONVERTED PH (STANDARD UNITS)	08/28/73-09/12/91	15	7.25	6.903	7.7	6.	0.263	0.513	6.6	7.	7.5	7.64
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/73-09/12/91	15	0.056	0.125	1.	0.02	0.06	0.244	0.023	0.032	0.1	0.46
00500	RESIDUE, TOTAL (MG/L)	08/28/73-09/25/90	17	941.	923.	1080.	704.	14750.75	121.453	708.8	800.	1019.5	1076.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/28/73-09/12/91	28	18.	18.286	40.	5.	67.175	8.196	7.	12.25	22.	31.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/28/73-09/12/91	28	3.33	3.918	8.4	0.45	4.246	2.061	1.604	2.695	5.553	7.714
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/06/75-09/12/91	21	0.45	0.421	0.7	0.05	0.029	0.172	0.096	0.33	0.54	0.662
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/73-09/12/91	27	4.14	4.886	9.18	1.23	5.065	2.25	2.34	3.5	7.21	8.792
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/28/73-09/12/91	28	1.49	2.63	8.5	0.63	5.353	2.314	0.856	1.15	4.775	6.425
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/14/74-09/12/91	20	0.145	0.573	7.25	0.025	2.506	1.583	0.051	0.103	0.383	0.663
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/28/74-09/25/90	12	7.5	7.9	17.	2.5	10.905	3.302	3.73	6.825	7.875	14.78
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/09/75-09/12/91	20	374.	361.6	512.	249.	3310.042	57.533	293.2	322.25	389.75	420.9
00916	CALCIUM, TOTAL (MG/L AS CA)	02/14/74-09/26/91	23	100.	93.204	122.	56.8	389.864	19.745	59.76	84.	108.	116.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	02/14/74-09/26/91	24	23.15	23.033	32.	12.9	29.511	5.432	14.3	19.	27.75	30.5
00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/73-09/12/91	27	193.	196.741	274.	120.	1872.584	43.273	135.6	162.	239.	257.
01027	CADMIUM, TOTAL (UG/L AS CD)	03/28/74-09/26/91	26	0.35	0.808	5.	0.1	1.148	1.071	0.1	0.2	1.5	1.8
01034	CHROMIUM, TOTAL (UG/L AS CR)	02/14/74-09/26/91	26 ##	15.	12.942	30.	1.	36.627	6.052	3.35	13.	15.	15.
01042	COPPER, TOTAL (UG/L AS CU)	02/14/74-09/26/91	26	10.	11.673	40.	5.	76.199	8.729	5.	5.	15.	26.5
01045	IRON, TOTAL (UG/L AS FE)	02/14/74-09/26/91	16	1815.	2648.063	6980.	779.	3405532.063	1845.408	968.7	1395.	3810.	5944.
01051	LEAD, TOTAL (UG/L AS PB)	03/28/74-09/26/91	27	3.	4.333	28.	1.	29.769	5.456	1.	1.	5.	10.2
01067	NICKEL, TOTAL (UG/L AS NI)	02/16/78-09/26/91	26 ##	20.	20.462	100.	3.	355.918	18.866	3.	16.125	20.	29.
01092	ZINC, TOTAL (UG/L AS ZN)	02/14/74-09/26/91	27	75.	96.37	290.	20.	5067.242	71.185	25.	37.	115.	228.
01105	ALUMINUM, TOTAL (UG/L AS AL)	02/14/74-09/26/91	10	710.	1042.8	3850.	355.	1047767.067	1023.605	368.1	495.75	1087.5	3591.
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	03/28/74-06/18/81	3	5600.	3926.667	5600.	580.	8400133.333	2898.298	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	03/28/74-06/18/81	3	3.748	3.42	3.748	2.763	0.323	0.569	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			2629.872								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/28/73-09/12/84	13	5.	5.538	13.	0.	19.936	4.465	0.	1.5	10.	12.6
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	02/14/74-06/18/81	3	0.31	0.333	0.4	0.29	0.003	0.059	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/20/80-09/12/91	19	832.	843.263	1090.	644.	14960.982	122.315	674.	724.	928.	1030.
71900	MERCURY, TOTAL (UG/L AS HG)	03/28/74-09/26/91	13 ##	0.1	0.181	0.5	0.1	0.022	0.149	0.1	0.1	0.225	0.5

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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0214

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/73-09/12/91	9	2.	2.4	8.3	0.3	6.615	2.572	0.3	0.5	3.6	8.3
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/29/77-09/12/91	4	1429.5	1449.25	1938.	1000.	253560.917	503.548	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/73-09/12/91	4	850.	822.5	1150.	440.	100025.	316.267	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/07/73-09/12/91	8	11.3	10.625	13.5	4.7	7.328	2.707	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	08/28/73-09/12/91	8	53.	51.625	72.	34.	152.554	12.351	**	**	**	**
00400	PH (STANDARD UNITS)	08/28/73-09/12/91	6	6.85	7.05	7.8	6.6	0.207	0.455	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/28/73-09/12/91	6	6.847	6.903	7.8	6.6	0.233	0.483	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/73-09/12/91	6	0.142	0.125	0.251	0.016	0.007	0.086	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	08/28/73-09/25/90	5	1294.	1437.8	2601.	756.	496148.2	704.378	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/28/73-09/12/91	6	50.	54.5	95.	25.	797.9	28.247	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/28/73-09/12/91	9	6.59	5.357	8.62	0.06	6.883	2.623	0.06	3.87	7.13	8.62
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/06/75-09/12/91	5	0.08	0.094	0.16	0.07	0.001	0.038	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/73-09/12/91	9	7.6	7.209	11.	1.5	9.15	3.025	1.5	4.8	9.585	11.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/28/73-09/12/91	9	0.75	0.74	1.05	0.37	0.076	0.275	0.37	0.43	1.	1.05
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/14/74-09/12/91	9	0.2	0.421	1.29	0.	0.229	0.479	0.	0.1	0.895	1.29
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/28/74-09/25/90	3	12.	12.667	14.5	11.5	2.583	1.607	**	**	**	**

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

Seasonal Analysis for Season #2: 11/01 to 3/14 - Station CUVA0214

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/09/75-09/12/91	8	366.	345.625	444.	178.	7543.411	86.853	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	02/14/74-09/26/91	1	129.	129.	129.	129.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	02/14/74-09/26/91	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/73-09/12/91	6	500.	551.667	1040.	130.	114056.667	337.723	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/28/74-09/26/91	5	5.	5.5	10.	2.5	7.5	2.739	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	02/14/74-09/26/91	7	30.	59.286	220.	15.	5236.905	72.366	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	02/14/74-09/26/91	9	60.	77.778	190.	30.	2519.444	50.194	30.	40.	100.	190.
01045	IRON, TOTAL (UG/L AS FE)	02/14/74-09/26/91	8	7250.	8507.5	13760.	4100.	14135307.143	3759.695	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/28/74-09/26/91	7	18.	23.429	48.	6.	190.619	13.806	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	02/16/78-09/26/91	4	100.	100.	100.	100.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	02/14/74-09/26/91	9	500.	497.778	1200.	190.	121444.444	348.489	190.	195.	720.	1200.
01105	ALUMINUM, TOTAL (UG/L AS AL)	02/14/74-09/26/91	3	8100.	6966.667	8600.	4200.	5803333.333	2409.011	**	**	**	**
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	03/28/74-06/18/81	5	18000.	27260.	72000.	2300.	741438000.	27229.359	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	03/28/74-06/18/81	5	4.255	4.212	4.857	3.362	0.311	0.558	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			16282.94								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/28/73-09/12/84	7	7.	11.429	21.	2.	66.952	8.182	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	02/14/74-06/18/81	8	0.645	0.809	1.65	0.18	0.219	0.468	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/20/80-09/12/91	1	1006.	1006.	1006.	1006.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/28/74-09/26/91	3	0.9	0.717	1.	0.25	0.166	0.407	**	**	**	**

** - 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 #3: 3/15 to 6/30 - Station CUVA0214

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/73-09/12/91	13	9.	9.6	17.5	1.5	32.77	5.725	1.7	4.4	14.9	16.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/29/77-09/12/91	4	1138.	992.5	1320.	374.	190075.667	435.977	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/73-09/12/91	6	1000.	998.333	1190.	900.	11216.667	105.909	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/07/73-09/12/91	12	9.05	9.642	13.8	6.8	5.194	2.279	6.92	7.475	11.275	13.38
00335	COD, .025N K2CR2O7 MG/L	08/28/73-09/12/91	10	35.05	45.51	144.6	22.4	1284.681	35.842	22.56	28.5	48.	134.94
00400	PH (STANDARD UNITS)	08/28/73-09/12/91	5	7.2	6.98	7.4	6.	0.342	0.585	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/28/73-09/12/91	5	7.2	6.596	7.4	6.	0.527	0.726	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/73-09/12/91	5	0.063	0.254	1.	0.04	0.175	0.419	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	08/28/73-09/25/90	7	842.	901.714	1108.	674.	27838.238	166.848	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/28/73-09/12/91	13	53.	73.923	361.	7.	8290.41	91.052	12.6	22.5	81.5	258.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/28/73-09/12/91	15	5.05	4.913	8.25	0.87	4.877	2.208	1.518	3.32	6.55	8.232
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/06/75-09/12/91	8	0.2	0.228	0.45	0.06	0.028	0.167	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/73-09/12/91	15	6.2	6.444	11.9	2.4	6.505	2.551	2.7	4.7	8.3	10.88
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/28/73-09/12/91	14	0.695	0.756	1.4	0.3	0.146	0.383	0.305	0.4	1.17	1.305
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/14/74-09/12/91	14	0.42	0.487	1.54	0.	0.192	0.438	0.045	0.1	0.647	1.375
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/28/74-09/25/90	2	9.75	9.75	13.5	6.	28.125	5.303	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/09/75-09/12/91	14	327.5	319.071	416.	132.	4484.225	66.964	197.	302.5	351.25	405.
00916	CALCIUM, TOTAL (MG/L AS CA)	02/14/74-09/26/91	2	101.5	101.5	122.	81.	840.5	28.991	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	02/14/74-09/26/91	2	21.5	21.5	24.	19.	12.5	3.536	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/73-09/12/91	15	195.	222.2	439.	73.	9815.743	99.074	73.6	170.	294.	399.4
01027	CADMIUM, TOTAL (UG/L AS CD)	03/28/74-09/26/91	9 ##	2.5	2.789	5.	0.	3.751	1.937	0.	1.3	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	02/14/74-09/26/91	10	30.	32.5	40.	15.	62.5	7.906	16.5	30.	40.	40.
01042	COPPER, TOTAL (UG/L AS CU)	02/14/74-09/26/91	15	50.	63.667	160.	5.	1623.095	40.288	20.	40.	70.	148.
01045	IRON, TOTAL (UG/L AS FE)	02/14/74-09/26/91	9	4150.	11290.	47000.	2960.	218674650.	14787.652	2960.	3750.	15450.	47000.
01051	LEAD, TOTAL (UG/L AS PB)	03/28/74-09/26/91	15	10.	11.567	46.	0.	121.745	11.034	0.6	6.	12.5	30.4
01067	NICKEL, TOTAL (UG/L AS NI)	02/16/78-09/26/91	8 ##	50.	65.	100.	20.	942.857	30.706	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	02/14/74-09/26/91	15	340.	434.	1280.	70.	109811.429	331.378	130.	190.	600.	1034.
01105	ALUMINUM, TOTAL (UG/L AS AL)	02/14/74-09/26/91	1	4100.	4100.	4100.	4100.	0.	0.	**	**	**	**
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	03/28/74-06/18/81	14	22500.	28285.643	117000.	429.	963361896.555	31038.072	649.5	5975.	41250.	86000.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	03/28/74-06/18/81	14	4.351	4.121	5.068	2.632	0.475	0.69	2.786	3.774	4.615	4.904
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			13199.218								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	08/28/73-09/12/84	14	10.5	10.786	22.	4.	20.489	4.526	5.	7.75	12.5	19.

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station CUVA0214

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	02/14/74-06/18/81	12	0.51	0.481	0.77	0.18	0.046	0.214	0.186	0.26	0.69	0.758
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/20/80-09/12/91	5	774.	755.6	1042.	400.	60338.8	245.64	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/28/74-09/26/91	10	0.5	0.525	1.	0.	0.131	0.362	0.025	0.25	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

Station Inventory for Station: CUVA0215

NPS Station ID: CUVA0215 LAT/LON: 41.417781/ -81.641670 Agency: 21OHIO Date Created: 10/13/84
Location: CUYAHOGA R UPST SOUTHERLY WWTP- RR/SR 21 RM=11.3 FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S10
RMI-Indexes: 0603002 Within Park Boundary: Yes
RMI-Miles: 0011.33
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 11.070 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 04110002000106.67 RF3 Mile Point: 8.87 Distance from RF3: 0.00 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER.
LOCATION - CUYAHOGA CO.; LOCATED AT THE RAILROAD BRIDGE AT ST. RT. 21, UPSTREAM FROM THE CLEVELAND SOUTHERLY WWTP.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/84-09/26/84	5	20.5	20.7	24.5	15.5	15.2	3.899	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/23/84-09/26/84	5	825.	836.	990.	670.	21042.5	145.06	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/84-09/26/84	5	884.	869.2	995.	761.	8081.7	89.898	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/23/84-09/26/84	5	7.7	7.62	7.9	7.1	0.097	0.311	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/23/84-09/26/84	5	3.	3.	3.9	2.3	0.335	0.579	**	**	**	**
00324	BOD, 20 DAY, 20 DEG C MG/L	07/23/84-09/26/84	5	8.3	9.56	13.	6.9	7.573	2.752	**	**	**	**
00400	PH (STANDARD UNITS)	07/23/84-09/26/84	5	8.	8.04	8.2	7.9	0.013	0.114	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/23/84-09/26/84	5	8.	8.028	8.2	7.9	0.013	0.115	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/84-09/26/84	5	0.01	0.009	0.013	0.006	0.	0.002	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/23/84-09/26/84	5	15.	19.2	51.	7.	330.2	18.171	**	**	**	**
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	07/23/84-08/22/84	2	## 0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/23/84-09/26/84	5	0.33	0.382	0.62	0.29	0.019	0.137	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/23/84-09/26/84	5	0.12	0.138	0.2	0.11	0.001	0.036	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/23/84-09/26/84	5	1.3	1.26	1.5	1.	0.033	0.182	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/23/84-09/26/84	5	4.	3.962	4.9	3.05	0.439	0.662	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/23/84-09/26/84	5	0.44	0.42	0.51	0.3	0.007	0.082	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/23/84-09/26/84	5	## 0.003	0.004	0.006	0.003	0.	0.002	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/84-09/26/84	5	263.	258.4	271.	244.	169.8	13.031	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/23/84-09/26/84	5	73.4	72.08	76.2	67.2	16.452	4.056	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/23/84-09/26/84	5	19.4	19.02	19.7	17.8	0.607	0.779	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/23/84-09/26/84	4	3.	3.	3.	3.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/23/84-09/26/84	5	0.2	0.24	0.4	0.1	0.013	0.114	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/23/84-09/26/84	5	## 15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/23/84-09/26/84	5	10.	9.	15.	5.	17.5	4.183	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/23/84-09/26/84	5	920.	1064.	1870.	650.	222180.	471.36	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/23/84-09/26/84	5	3.	3.8	8.	2.	5.7	2.387	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/23/84-09/26/84	5	## 20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/23/84-09/26/84	5	30.	29.	40.	20.	55.	7.416	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/84-09/26/84	5	500.	644.	1190.	330.	121530.	348.612	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/23/84-09/26/84	5	930.	1018.	1700.	160.	372220.	610.098	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/23/84-09/26/84	5	2.968	2.896	3.23	2.204	0.169	0.411	**	**	**	**

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

Parameter Inventory for Station: CUVA0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			787.856								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/23/84-09/26/84	5 ##	5.	6.	10.	5.	5.	2.236	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/84-09/26/84	5	556.	546.8	598.	502.	1893.2	43.511	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/23/84-09/18/84	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/23/84-09/26/84	5	1.8	1.88	2.4	1.6	0.097	0.311	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/23/84-09/26/84	5	4.2	4.08	4.6	3.6	0.177	0.421	**	**	**	**

** - 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: CUVA0215

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	5	0	0.00	5	0	0.00									
00400	PH	Other-Hi Lim.	9.	5	0	0.00	5	0	0.00									
		Other-Lo Lim.	6.5	5	0	0.00	5	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	5	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	5	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	5	0	0.00	5	0	0.00									
		Drinking Water	0.2	5	0	0.00	5	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	4	0	0.00	4	0	0.00									
		Drinking Water	50.	4	0	0.00	4	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	5	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	0	0.00	5	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	5	0	0.00	5	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	5	4	0.80	5	4	0.80									
71900	MERCURY, TOTAL	Fresh Acute	2.4	4	0	0.00	4	0	0.00									
		Drinking Water	2.	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: CUVA0216

NPS Station ID: CUVA0216
Location: CUYAHOGA R. AT SOUTHERLY STP
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 04110002
Major Basin: LAKE ERIE
Minor Basin: CUYAHOGA RIVER
RF1 Index: 04110002001
RF3 Index: 04110002026400.00
Description:

LAT/LON: 41.418615/ -81.650004
Depth of Water: 999
Elevation: 0
RF1 Mile Point: 9.100
RF3 Mile Point: 0.36

Agency: 12OHDO
FIPS State/County: 39035 OHIO/CUYAHOGA
STORET Station ID(s): 390137
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.16

Date Created: / /
On/Off RF1: ON
On/Off RF3:

Parameter Inventory for Station: CUVA0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/72-11/07/72	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/07/72-11/07/72	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/07/72-11/07/72	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	11/07/72-11/07/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/72-11/07/72	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	11/07/72-11/07/72	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/07/72-11/07/72	1	1850.	1850.	1850.	1850.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	11/07/72-11/07/72	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	11/07/72-11/07/72	1	160.	160.	160.	160.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	11/07/72-11/07/72	1	288.	288.	288.	288.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/07/72-11/07/72	1	35.	35.	35.	35.	0.	0.	**	**	**	**
50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	11/07/72-11/07/72	1	1070.	1070.	1070.	1070.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/07/72-11/07/72	1	546.	546.	546.	546.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0216

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00				1	0	0.00						
		Drinking Water	0.2	1	0	0.00				1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	1	1.00				1	1	1.00						
		Drinking Water	5.	1	1	1.00				1	1	1.00						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00				1	1	1.00						
		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.	0 &	0	0.00												
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	1	1.00				1	1	1.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	1	1.00				1	1	1.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: CUVA0217

NPS Station ID: CUVA0217 LAT/LON: 41.419726/ -81.655004 Agency: 21OHIO Date Created: 02/01/92
Location: CUYAHOGA R. DST SOUTHERLY WWTP - MIXING ZONE FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM/BIO STORET Station ID(s): F01A57
RMI-Indexes: 0603002 Within Park Boundary: No
RMI-Miles: 0010.56
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 2.00 On/Off RF1:
RF3 Index: 04110002000106.67 RF3 Mile Point: 8.45 Distance from RF3: 0.01 On/Off RF3:
Description:
PURPOSE - INTENSIVE SURVEY OF THE LOWER CUYAHOGA RIVER. LOCATION - CUYAHOGA CO.; LOCATED IN THE MIXING ZONE OF CLEVELAND SOUTHERLY WWTP. COLLECTED BY THE OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST DISTRICT OFFICE, (216) 425-9171.

Parameter Inventory for Station: CUVA0217

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/91-09/24/91	3	25.	22.833	25.5	18.	17.583	4.193	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/24/91-09/24/91	3	775.	850.	1100.	675.	49375.	222.205	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/24/91-09/24/91	3	8.	7.9	8.2	7.5	0.13	0.361	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/24/91-09/24/91	3	28.	27.	32.	21.	31.	5.568	**	**	**	**
00400	PH (STANDARD UNITS)	07/24/91-09/24/91	3	7.6	7.55	7.65	7.4	0.017	0.132	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/24/91-09/24/91	3	7.6	7.536	7.65	7.4	0.018	0.133	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/91-09/24/91	3	0.025	0.029	0.04	0.022	0.	0.009	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/91-09/24/91	3	13.	17.333	26.	13.	56.333	7.506	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/91-09/24/91	3	0.1	0.113	0.17	0.07	0.003	0.051	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/24/91-09/24/91	3	0.05	0.053	0.07	0.04	0.	0.015	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/91-09/24/91	3	1.8	1.667	1.8	1.4	0.053	0.231	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/24/91-09/24/91	3	10.1	10.287	11.7	9.06	1.769	1.33	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/91-09/24/91	3	0.38	0.4	0.55	0.27	0.02	0.141	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/24/91-09/24/91	3	0.008	0.011	0.018	0.006	0.	0.006	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/24/91-09/24/91	3	197.	196.667	228.	165.	992.333	31.501	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/24/91-09/24/91	3	56.	56.333	65.	48.	72.333	8.505	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/24/91-09/24/91	3	14.	13.667	16.	11.	6.333	2.517	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/24/91-09/24/91	3	150.	145.333	160.	126.	305.333	17.474	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/24/91-09/24/91	3	2.	2.	3.	1.	1.	1.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/24/91-09/24/91	3	0.8	0.733	0.8	0.6	0.013	0.115	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/24/91-09/24/91	3 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/24/91-09/24/91	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/24/91-09/24/91	3 ##	1.	4.333	11.	1.	33.333	5.774	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/24/91-09/24/91	3 ##	20.	26.667	40.	20.	133.333	11.547	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/24/91-09/24/91	3	40.	40.	50.	30.	100.	10.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/24/91-09/24/91	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/91-09/24/91	3	598.	602.667	658.	552.	2825.333	53.154	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/24/91-09/24/91	3	1.2	1.033	1.4	0.5	0.223	0.473	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: CUVA0217

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	3	0	0.00	3	0	0.00									
00400	PH	Other-Hi Lim.	9.	3	0	0.00	3	0	0.00									
		Other-Lo Lim.	6.5	3	0	0.00	3	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	3	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	2	0.67	3	2	0.67									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	3	0	0.00	3	0	0.00									
		Drinking Water	0.2	3	0	0.00	3	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	3	0	0.00									
		Drinking Water	250.	3	0	0.00	3	0	0.00									
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									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00	3	0	0.00									
		Drinking Water	5.	3	0	0.00	3	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	3	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	3	0	0.00	3	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									
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									
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									

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

Station Inventory for Station: CUVA0218

NPS Station ID: CUVA0218
LAT/LON: 41.420837/ -81.635559
Agency: 21OHIO
Date Created: 03/21/92
Location: MILL CREEK AT GARFIELD HTS. - UPST TRIB
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM/BIO
STORET Station ID(s): F01A62
RMI-Indexes: 0603002 000090
Within Park Boundary: No
RMI-Miles: 0011.49 0000.41
HUC: 04110002
Depth of Water: 0
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002
RF1 Mile Point: 0.000
Distance from RF1: 19.00
On/Off RF1:
RF3 Index: 04110002002100.89
RF3 Mile Point: 1.58
Distance from RF3: 0.01
On/Off RF3:
Description:
PURPOSE - SHORT-TERM SPECIAL SAMPLING. LOCATION - CUYAHOGA CO.; LOCATED JUST UPSTREAM FROM A SMALL TRIBUTARY, 0.41 MILES UPSTREAM FROM THE CUYAHOGA RIVER. COLLECTED BY THE OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST DISTRICT OFFICE, (216) 425-9171.

Parameter Inventory for Station: CUVA0218

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/91-09/09/91	1	21.5	21.5	21.5	21.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/09/91-09/09/91	1	1300.	1300.	1300.	1300.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/09/91-09/09/91	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	09/09/91-09/09/91	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/09/91-09/09/91	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/09/91-09/09/91	1	2.86	2.86	2.86	2.86	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/09/91-09/09/91	1	0.92	0.92	0.92	0.92	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/09/91-09/09/91	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/09/91-09/09/91	1	2.29	2.29	2.29	2.29	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/09/91-09/09/91	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/09/91-09/09/91	1	363.	363.	363.	363.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/09/91-09/09/91	1	99.	99.	99.	99.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/09/91-09/09/91	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	09/09/91-09/09/91	1	29.9	29.9	29.9	29.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/09/91-09/09/91	1	253.	253.	253.	253.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/09/91-09/09/91	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/09/91-09/09/91	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/09/91-09/09/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/09/91-09/09/91	1	1370.	1370.	1370.	1370.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/09/91-09/09/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	09/09/91-09/09/91	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/09/91-09/09/91	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	09/09/91-09/09/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/09/91-09/09/91	1	938.	938.	938.	938.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0218

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	1	1.00	1	1	1.00									
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									
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: CUVA0219

NPS Station ID: CUVA0219 LAT/LON: 41.420837/ -81.653615 Agency: 21OHIO Date Created: 06/01/91
Location: NEORSD SOUTHERLY WWTP EFFL. CHANNEL DS OUTFALL FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /CANAL/TYPA/AMBNT STORET Station ID(s): F01W49
RMI-Indexes: 0603002 Within Park Boundary: No
RMI-Miles: 0010.57
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 10.570 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002026400.00 RF3 Mile Point: 0.55 Distance from RF3: 0.05 On/Off RF3:
Description:
PURPOSE -OHIO EPA INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY LOCATION -SOUTHERLY WWTP EFFLUENT CHANNEL WHICH FLOWS INTO CUYAHOGA RIVER AT RIVER MILE 10.57. 528 FT US FROM CONFLUENCE IS THE SITE LOCATION AT RM 0.1 IN THE CHANNEL.
COLLECTION-1990 SURVEY CONDUCTED BY WQ MODELING SECTION OF DWQPA.

Parameter Inventory for Station: CUVA0219

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00335	COD, .025N K2CR2O7 MG/L	08/27/90-09/26/90	4	30.25	30.375	40.	21.	61.229	7.825	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/27/90-09/26/90	4	114.5	115.5	127.	106.	112.333	10.599	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	08/28/90-09/26/90	3	609.	615.	681.	555.	3996.	63.214	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/27/90-09/26/90	4 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/27/90-09/26/90	4	0.075	0.084	0.16	0.025	0.003	0.057	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/27/90-09/26/90	4 ##	0.015	0.018	0.03	0.01	0.	0.01	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/27/90-09/26/90	3	1.75	1.703	2.4	0.96	0.52	0.721	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/27/90-09/26/90	4	10.65	10.685	12.	9.44	1.109	1.053	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/27/90-09/26/90	3	0.33	0.323	0.4	0.24	0.006	0.08	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/27/90-09/26/90	4	8.4	8.6	11.	6.6	3.707	1.925	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/90-09/26/90	4	198.5	202.	216.	195.	91.333	9.557	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/27/90-09/26/90	4	56.5	57.	60.	55.	4.667	2.16	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/27/90-09/26/90	4	14.	14.5	16.	14.	1.	1.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/27/90-09/26/90	4	126.5	133.5	162.	119.	377.667	19.434	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/25/90-09/26/90	2 ##	2.	2.	3.	1.	2.	1.414	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/27/90-09/26/90	4	2.	1.75	2.	1.	0.25	0.5	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/27/90-09/26/90	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/27/90-09/26/90	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/27/90-09/26/90	4 ##	1.	1.75	4.	1.	2.25	1.5	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/27/90-09/26/90	4 ##	30.	30.	40.	20.	133.333	11.547	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/27/90-09/26/90	4	50.	50.75	58.	45.	28.917	5.377	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/27/90-09/26/90	4	617.5	605.75	656.	532.	3734.917	61.114	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/27/90-09/26/90	4 ##	1.	1.25	2.5	0.5	0.917	0.957	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/27/90-09/26/90	4	6.65	7.525	13.5	3.3	22.696	4.764	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0219

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	3	0.75	4	3	0.75									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	4	0	0.00									
		Drinking Water	250.	4	0	0.00	4	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00	4	0	0.00									
		Drinking Water	5.	4	0	0.00	4	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	4	0	0.00	4	0	0.00									
		Drinking Water	1300.	4	0	0.00	4	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	4	0	0.00									
		Drinking Water	15.	4	0	0.00	4	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	4	0	0.00									
		Drinking Water	100.	4	0	0.00	4	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	4	0	0.00	4	0	0.00									
		Drinking Water	5000.	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: CUVA0220

NPS Station ID: CUVA0220
LAT/LON: 41.421392/ -81.643059
Agency: 12OHDO
Date Created: / /
Location: CUYAHOGA R. M.P. 10.7, BELOW STP
FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 390136
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 04110002
Depth of Water: 999
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 9.310
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 04110002001400.00
RF3 Mile Point: 0.17
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: CUVA0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/07/72-11/07/72	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/07/72-11/07/72	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/07/72-11/07/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	11/07/72-11/07/72	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/07/72-11/07/72	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	11/07/72-11/07/72	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/07/72-11/07/72	1	1690.	1690.	1690.	1690.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	11/07/72-11/07/72	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	11/07/72-11/07/72	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	11/07/72-11/07/72	1	134.	134.	134.	134.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/07/72-11/07/72	1	11.	11.	11.	11.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/07/72-11/07/72	1	442.	442.	442.	442.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0220

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00				1	0	0.00						
		Drinking Water	0.2	1	0	0.00				1	0	0.00						
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						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00				1	1	1.00						
		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.	0 &	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						
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	1	1.00				1	1	1.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: CUVA0221

NPS Station ID: CUVA0221 LAT/LON: 41.421949/ -81.651392 Agency: 21OHIO Date Created: 06/01/91
Location: NEORSD SOUTHERLY WWTP EFFL. CHANNEL AT OUTFALL FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /CANAL/TYPA/AMBNT STORET Station ID(s): F01W48
RMI-Indexes: 0603002 Within Park Boundary: No
RMI-Miles: 0010.57
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 10.570 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002000100.00 RF3 Mile Point: 0.00 Distance from RF3: 0.02 On/Off RF3:
Description:
PURPOSE - OHIO EPA INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY LOCATION - SOUTHERLY WWTP EFFLUENT CHANNEL AT OUTFALL. THE CHANNEL FLOWS INTO CUYAHOGA RIVER AT RM 10.57. SITE LOCATED AT RM 0.2 IN CHANNEL, 1048 FEET UPST. OF CONFLUENCE.
COLLECTION - 1990 SURVEY CONDUCTED BY WQ MODELING SECTION OF DWQPA

Parameter Inventory for Station: CUVA0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00335	COD, .025N K2CR2O7 MG/L	08/21/90-09/26/90	5	28.	24.62	40.	2.1	196.672	14.024	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/21/90-09/26/90	5	109.	112.6	131.	95.	264.3	16.257	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	08/21/90-09/26/90	4	643.	648.	686.	620.	1053.333	32.455	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/21/90-09/26/90	5 ##	2.5	3.9	6.	2.5	3.675	1.917	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/90-09/26/90	5	0.05	0.055	0.08	0.025	0.	0.021	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/21/90-09/26/90	5 ##	0.01	0.016	0.03	0.01	0.	0.009	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/90-09/26/90	3	1.9	1.867	2.1	1.6	0.063	0.252	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/90-09/26/90	5	10.8	10.71	12.	8.85	1.323	1.15	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/27/90-09/26/90	4	0.355	0.338	0.39	0.25	0.004	0.067	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/90-09/26/90	5	8.8	8.96	10.8	7.1	1.873	1.369	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/25/90-09/26/90	2	0.013	0.013	0.014	0.012	0.	0.001	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/21/90-09/26/90	5	195.	197.2	216.	181.	167.7	12.95	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/90-09/26/90	5	55.	55.6	60.	51.	12.3	3.507	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/90-09/26/90	5	14.	14.2	16.	13.	1.2	1.095	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/90-09/26/90	5	138.	137.	161.	119.	252.5	15.89	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/25/90-09/26/90	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/90-09/26/90	5	2.	2.2	3.	2.	0.2	0.447	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/90-09/26/90	5 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/21/90-09/26/90	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/21/90-09/26/90	5 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/21/90-09/26/90	5	40.	36.	50.	20.	230.	15.166	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/21/90-09/26/90	5	55.	54.	65.	45.	55.	7.416	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/21/90-09/26/90	5	628.	624.4	658.	586.	1018.8	31.919	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/21/90-09/26/90	5	2.8	2.28	4.5	0.5	3.052	1.747	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/21/90-09/26/90	5	6.9	6.5	11.	3.2	9.125	3.021	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0221

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	5	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	4	0.80	5	4	0.80									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	2	0	0.00	2	0	0.00									
		Drinking Water	0.2	2	0	0.00	2	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	5	0	0.00									
		Drinking Water	250.	5	0	0.00	5	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	5	0	0.00									
		Drinking Water	5.	5	0	0.00	5	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	5	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	5	0	0.00									
		Drinking Water	1300.	5	0	0.00	5	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	5	0	0.00									
		Drinking Water	15.	5	0	0.00	5	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	5	0	0.00									
		Drinking Water	100.	5	0	0.00	5	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	5	0	0.00									
		Drinking Water	5000.	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: CUVA0222

NPS Station ID: CUVA0222 LAT/LON: 41.421949/ -81.651948 Agency: 21OHIO Date Created: 06/01/91
Location: OHIO CANAL AT OVERFLOW TO NEORSD WWTP 8.41/1.98 FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /CANAL/TYPA/AMBNT STORET Station ID(s): F01W53
RMI-Indexes: 0603002 Within Park Boundary: No
RMI-Miles: 0008.41
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 8.410 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 04110002001900.00 RF3 Mile Point: 0.00 Distance from RF3: 0.02 On/Off RF3:
Description:
PURPOSE - OHIO EPA INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY LOCATION -OHIO CANAL AT OVERFLOW TO SOUTHERLY WWTP. SITE IS LOCATED 1.98 RM UP STREAM OF FINAL CONFLUENCE OF CANAL AND CUYAHOGA R. (8.41). COLLECTION - 1990 SURVEY CONDUCTED BY WQ MODELING SECTION OF DWQPA USGS QUAD =CLEVELAND SOUTH QUADRANGLE

Parameter Inventory for Station: CUVA0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00335	COD, .025N K2CR2O7 MG/L	08/28/90-09/26/90	4 ##	10.	13.	22.	10.	36.	6.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/28/90-09/26/90	4	140.	140.5	152.	130.	135.	11.619	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	08/29/90-09/26/90	3	524.	542.333	612.	491.	3912.333	62.549	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/28/90-09/26/90	4	84.	156.25	402.	55.	27412.25	165.566	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/28/90-09/26/90	4 ##	0.025	0.044	0.1	0.025	0.001	0.038	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/28/90-09/26/90	4	0.04	0.039	0.05	0.025	0.	0.013	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/90-09/26/90	3	0.5	0.467	0.5	0.4	0.003	0.058	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/28/90-09/26/90	4	2.12	2.675	5.34	1.12	3.816	1.954	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/28/90-09/26/90	3	0.09	0.717	2.	0.06	1.235	1.112	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/28/90-09/26/90	4 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/28/90-09/26/90	4	227.5	246.25	325.	205.	3072.917	55.434	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/28/90-09/26/90	4	65.5	68.5	84.	59.	129.667	11.387	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/28/90-09/26/90	4	15.5	18.25	28.	14.	44.25	6.652	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/28/90-09/26/90	4	90.5	87.25	98.	70.	158.25	12.58	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/25/90-09/26/90	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/28/90-09/26/90	4	0.2	0.2	0.3	0.1	0.007	0.082	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/28/90-09/26/90	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/28/90-09/26/90	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/28/90-09/26/90	4	6.	7.5	13.	5.	14.333	3.786	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/28/90-09/26/90	4 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/28/90-09/26/90	4	15.	20.	40.	10.	200.	14.142	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/28/90-09/26/90	4	465.	461.5	524.	392.	3833.	61.911	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	08/28/90-09/26/90	4	1.55	1.7	2.6	1.1	0.447	0.668	**	**	**	**
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	08/28/90-09/26/90	4	5.35	5.45	6.6	4.5	0.79	0.889	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: CUVA0222

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	0	0.00	4	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	4	0	0.00									
		Drinking Water	250.	4	0	0.00	4	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00	4	0	0.00									
		Drinking Water	5.	4	0	0.00	4	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	4	0	0.00	4	0	0.00									
		Drinking Water	1300.	4	0	0.00	4	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	4	0	0.00									
		Drinking Water	15.	4	0	0.00	4	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	4	0	0.00									
		Drinking Water	100.	4	0	0.00	4	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	4	0	0.00	4	0	0.00									
		Drinking Water	5000.	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: CUVA0223

NPS Station ID: CUVA0223 LAT/LON: 41.422503/ -81.633615 Agency: 21OHIO Date Created: 03/21/92
Location: TRIB. TO MILL CREEK AT GARFIELD HTS. - WARNER RD FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM/BIO STORET Station ID(s): F01A63
RMI-Indexes: 0603002 000090 00020 Within Park Boundary: No
RMI-Miles: 0011.49 0000.40 000.20
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 7.10 On/Off RF1:
RF3 Index: 04110002001900.00 RF3 Mile Point: 0.19 Distance from RF3: 0.00 On/Off RF3:
Description:
PURPOSE - SHORT-TERM SPECIAL SAMPLING. LOCATION - CUYAHOGA CO.; LOCATED AT THE WARNER RD. BRIDGE,
AT GARFIELD HEIGHTS, NEAR THE CONFLUENCE WITH MILL CREEK. COLLECTED BY THE OHIO EPA, DIVISION OF WATER QUALITY MONITORING,
NORTHEAST DISTRICT OFFICE, (216) 425-9171.

Parameter Inventory for Station: CUVA0223

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/12/91-09/12/91	1	21.5	21.5	21.5	21.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/12/91-09/12/91	1	717.	717.	717.	717.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/12/91-09/12/91	1	882.	882.	882.	882.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/12/91-09/12/91	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/12/91-09/12/91	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	09/12/91-09/12/91	1	53.	53.	53.	53.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/12/91-09/12/91	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/12/91-09/12/91	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/12/91-09/12/91	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/12/91-09/12/91	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/12/91-09/12/91	1	15.2	15.2	15.2	15.2	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/12/91-09/12/91	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/12/91-09/12/91	1	19.7	19.7	19.7	19.7	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/12/91-09/12/91	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/12/91-09/12/91	1	2.01	2.01	2.01	2.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/12/91-09/12/91	1	192.	192.	192.	192.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/12/91-09/12/91	1	52.	52.	52.	52.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/12/91-09/12/91	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	09/12/91-09/12/91	1	11.8	11.8	11.8	11.8	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/12/91-09/12/91	1	92.	92.	92.	92.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/12/91-09/12/91	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/12/91-09/12/91	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/12/91-09/12/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/12/91-09/12/91	1	890.	890.	890.	890.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/12/91-09/12/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	09/12/91-09/12/91	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/12/91-09/12/91	1	40.	40.	40.	40.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/12/91-09/12/91	1	450.	450.	450.	450.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0223

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	1	1.00	1	1	1.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
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									

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

Station Inventory for Station: CUVA0224

NPS Station ID: CUVA0224 LAT/LON: 41.426948/ -81.665838 Agency: 21OHIO Date Created: 10/13/84
Location: CUYAHOGA R. DST SOUTHERLY WWTP - CONRAIL RR FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01S09
RMI-Indexes: 0603002 Within Park Boundary: No
RMI-Miles: 0009.70
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002001 RF1 Mile Point: 8.480 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 04110002000100.20 RF3 Mile Point: 1.91 Distance from RF3: 0.02 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER.
LOCATION - CUYAHOGA CO.; LOCATED AT THE CONRAIL RAILROAD BRIDGE, DOWNSTREAM FROM THE CLEVELAND SOUTHERLY WWTP.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0224

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/84-09/24/91	11	21.1	21.4	25.5	16.5	9.644	3.105	16.5	19.	24.	25.36
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/23/84-09/24/91	11	740.	759.455	962.	500.	19621.473	140.077	520.	690.	875.	955.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/84-09/26/84	5	857.	853.8	977.	770.	6907.7	83.113	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/23/84-09/24/91	11	7.	7.236	7.9	6.	0.339	0.582	6.18	7.	7.8	7.9
00310	BOD, 5 DAY, 20 DEG C MG/L	07/23/84-09/26/84	5	3.9	3.8	4.5	2.5	0.61	0.781	**	**	**	**
00324	BOD, 20 DAY, 20 DEG C MG/L	07/23/84-09/26/84	5	9.3	12.86	23.	6.6	47.928	6.923	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	05/31/90-09/24/91	18	15.5	17.667	38.	10.	75.294	8.677	10.	10.	24.25	33.5
00400	PH (STANDARD UNITS)	07/23/84-09/24/91	11	7.9	7.835	8.	7.6	0.013	0.112	7.62	7.79	7.9	7.98
00400	CONVERTED PH (STANDARD UNITS)	07/23/84-09/24/91	11	7.9	7.821	8.	7.6	0.013	0.113	7.62	7.79	7.9	7.98
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/84-09/24/91	11	0.013	0.015	0.025	0.01	0.	0.004	0.011	0.013	0.016	0.024
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/31/90-09/25/90	12	124.	124.5	146.	104.	182.636	13.514	105.2	112.25	137.5	144.2
00500	RESIDUE, TOTAL (MG/L)	05/31/90-09/25/90	11	516.	538.364	720.	400.	7223.055	84.989	412.4	476.	588.	695.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/23/84-09/24/91	23	26.	39.804	155.	2.5	1329.744	36.466	7.6	16.	65.	94.8
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	08/22/84-08/22/84	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/23/84-09/24/91	23	0.1	0.388	2.64	0.025	0.529	0.728	0.05	0.07	0.29	1.87
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/23/84-09/24/91	23	0.05	0.071	0.22	0.03	0.003	0.055	0.03	0.03	0.09	0.18
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/23/84-09/24/91	22	1.1	1.423	4.3	0.5	0.91	0.954	0.83	0.9	1.525	3.44
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/23/84-09/24/91	23	4.77	5.044	9.2	2.09	4.008	2.002	2.652	3.21	6.64	8.076
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/23/84-09/24/91	22	0.255	0.334	0.96	0.11	0.051	0.225	0.116	0.15	0.468	0.667
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/31/90-09/25/90	11	5.4	4.8	6.2	2.5	2.278	1.509	2.5	2.5	5.9	6.16
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/23/84-09/24/91	12	0.005	0.006	0.013	0.003	0.	0.003	0.003	0.003	0.007	0.012
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/84-09/24/91	23	228.	216.739	250.	168.	649.02	25.476	173.	198.	235.	245.4
00916	CALCIUM, TOTAL (MG/L AS CA)	07/23/84-09/24/91	23	65.	62.035	71.6	49.	46.371	6.81	51.	57.9	67.8	69.42
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/23/84-09/24/91	23	16.	15.004	17.5	11.	4.833	2.198	11.	13.	17.	17.42
00940	CHLORIDE,TOTAL IN WATER MG/L	05/31/90-09/24/91	18	106.	108.389	150.	67.	675.428	25.989	75.1	85.25	134.25	150.
01002	ARSENIC, TOTAL (UG/L AS AS)	07/23/84-09/24/91	13	3.	2.615	4.	1.	1.423	1.193	1.	1.	3.5	4.
01027	CADMIUM, TOTAL (UG/L AS CD)	07/23/84-09/24/91	23	0.6	0.9	4.	0.1	0.923	0.961	0.3	0.4	1.	2.6
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/23/84-09/24/91	23 ##	15.	15.652	30.	15.	9.783	3.128	15.	15.	15.	15.
01042	COPPER, TOTAL (UG/L AS CU)	07/23/84-09/24/91	23 ##	5.	5.652	15.	5.	5.237	2.288	5.	5.	5.	8.
01045	IRON, TOTAL (UG/L AS FE)	07/23/84-09/26/84	5	940.	990.	1600.	480.	161100.	401.373	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/23/84-09/24/91	23	3.	4.087	15.	1.	13.447	3.667	1.	1.	6.	10.6

** - 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: CUVA0224

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01067	NICKEL, TOTAL (UG/L AS NI)	07/23/84-09/24/91	23 ##	20.	22.391	55.	20.	67.885	8.239	20.	20.	20.	32.
01092	ZINC, TOTAL (UG/L AS ZN)	07/23/84-09/24/91	23	35.	38.913	90.	20.	286.265	16.919	20.	25.	50.	63.
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/23/84-09/26/84	5	460.	588.	1130.	380.	97270.	311.881	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/23/84-09/26/84	5	970.	1066.	2200.	340.	485780.	696.979	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/23/84-09/26/84	5	2.987	2.952	3.342	2.531	0.087	0.295	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			895.117								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/23/84-09/24/91	11 ##	5.	5.091	10.	1.	4.091	2.023	1.8	5.	5.	9.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/84-09/24/91	23	520.	520.087	678.	364.	8303.81	91.125	380.8	428.	590.	646.8
71900	MERCURY, TOTAL (UG/L AS HG)	07/23/84-09/18/84	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	07/23/84-09/24/91	23	1.4	1.5	3.6	0.5	0.661	0.813	0.5	1.	2.	2.78
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	07/23/84-09/25/90	17	4.3	4.676	7.	1.	2.547	1.596	2.84	3.65	6.25	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: CUVA0224

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	11	0	0.00	11	0	0.00									
00400	PH	Other-Hi Lim.	9.	11	0	0.00	11	0	0.00									
		Other-Lo Lim.	6.5	11	0	0.00	11	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	23	0	0.00	22	0	0.00				1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	23	0	0.00	22	0	0.00				1	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	12	0	0.00	12	0	0.00									
		Drinking Water	0.2	12	0	0.00	12	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	18	0	0.00	17	0	0.00				1	0	0.00			
		Drinking Water	250.	18	0	0.00	17	0	0.00				1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	13	0	0.00	13	0	0.00									
		Drinking Water	50.	13	0	0.00	13	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	23	1	0.04	22	1	0.05				1	0	0.00			
		Drinking Water	5.	23	0	0.00	22	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	23	0	0.00	22	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	23	0	0.00	22	0	0.00				1	0	0.00			
		Drinking Water	1300.	23	0	0.00	22	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	23	0	0.00	22	0	0.00				1	0	0.00			
		Drinking Water	15.	23	1	0.04	22	1	0.05				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	23	0	0.00	22	0	0.00				1	0	0.00			
		Drinking Water	100.	23	0	0.00	22	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	23	0	0.00	22	0	0.00				1	0	0.00			
		Drinking Water	5000.	23	0	0.00	22	0	0.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	5	5	1.00	5	5	1.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	4	0	0.00	4	0	0.00									
		Drinking Water	2.	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: CUVA0225

NPS Station ID: CUVA0225 LAT/LON: 41.427781/ -81.668615 Agency: 21OHIO Date Created: 11/07/87
Location: CUYAHOGA R. DST CLEVELAND SOUTHERLY WWTP RM=9.5 FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01A24
RMI-Indexes: 0603002 Within Park Boundary: No
RMI-Miles: 0009.50
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 2.90 On/Off RF1:
RF3 Index: 04110002000111.09 RF3 Mile Point: 11.31 Distance from RF3: 0.11 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER.
LOCATION - CUYAHOGA CO.; LOCATED DOWNSTREAM FROM THE CLEVELAND SOUTHERLY WWTP, 0.2 MILES DOWNSTREAM FROM THE PENN. CENTRAL BRIDGE.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0225

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/15/87-10/29/87	3	18.	16.167	19.5	11.	20.583	4.537	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/15/87-10/29/87	3	485.	574.	861.	376.	64747.	254.454	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/23/87-10/29/87	2	636.	636.	672.	600.	2592.	50.912	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/15/87-10/29/87	3	8.2	7.767	10.	5.1	6.143	2.479	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/15/87-09/15/87	1	59.	59.	59.	59.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	09/23/87-10/29/87	2	32.	32.	35.	29.	18.	4.243	**	**	**	**
00400	PH (STANDARD UNITS)	09/15/87-10/29/87	3	7.7	7.533	7.7	7.2	0.083	0.289	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/15/87-10/29/87	3	7.7	7.464	7.7	7.2	0.09	0.301	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/15/87-10/29/87	3	0.02	0.034	0.063	0.02	0.001	0.025	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/15/87-10/29/87	3	50.	101.333	238.	16.	14297.333	119.571	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/15/87-10/29/87	3	0.18	2.33	6.7	0.11	14.324	3.785	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/15/87-10/29/87	3	0.09	0.26	0.67	0.02	0.127	0.357	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/15/87-10/29/87	3	1.4	5.133	13.	1.	46.453	6.816	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/15/87-10/29/87	3	2.91	3.427	4.96	2.41	1.826	1.351	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/15/87-10/29/87	3	0.37	0.583	1.14	0.24	0.237	0.486	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/23/87-09/23/87	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/15/87-10/29/87	3	213.	205.667	215.	189.	209.333	14.468	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/15/87-10/29/87	3	61.4	59.367	61.9	54.8	15.703	3.963	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/15/87-10/29/87	3	14.4	122.333	340.	12.6	35534.893	188.507	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/15/87-10/29/87	3	3.	4.	7.	2.	7.	2.646	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/15/87-10/29/87	3	5.	16.333	43.	1.	537.333	23.18	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/15/87-10/29/87	3 ##	15.	56.667	140.	15.	5208.333	72.169	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/15/87-10/29/87	3	7.	10.667	20.	5.	66.333	8.145	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/15/87-10/29/87	3	2300.	4843.333	11400.	830.	32782633.333	5725.612	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/15/87-10/29/87	3	7.	24.667	63.	4.	1104.333	33.232	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/23/87-10/29/87	2	110.	110.	150.	70.	3200.	56.569	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	09/15/87-10/29/87	3 ##	20.	60.	140.	20.	4800.	69.282	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/15/87-10/29/87	3	80.	290.	720.	70.	138700.	372.424	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	09/15/87-10/29/87	3	970.	2956.667	7270.	630.	13982533.333	3739.323	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/23/87-10/29/87	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/15/87-10/29/87	3	450.	472.667	578.	390.	9221.333	96.028	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0225

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	3	0	0.00	3	0	0.00									
00400	PH	Other-Hi Lim.	9.	3	0	0.00	3	0	0.00									
		Other-Lo Lim.	6.5	3	0	0.00	3	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	3	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	3	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
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									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	2	0.67	3	2	0.67									
		Drinking Water	5.	3	2	0.67	3	2	0.67									
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	1	0.33	3	1	0.33									
01042	COPPER, TOTAL	Fresh Acute	18.	3	1	0.33	3	1	0.33									
		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	1	0.33	3	1	0.33									
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	3	0	0.00									
		Drinking Water	100.	3	1	0.33	3	1	0.33									
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									

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

Station Inventory for Station: CUVA0226

NPS Station ID: CUVA0226 LAT/LON: 41.430559/ -81.647781 Agency: 21OHIO Date Created: 10/31/87
Location: CUYAHOGA R. UPST CLEVELAND SOUTHERLY WWTP FIPS State/County: 39035 OHIO/CUYAHOGA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): F01A25
RMI-Indexes: 0603002 Within Park Boundary: No
RMI-Miles: 0010.95
HUC: 04110002 Depth of Water: 0 Aquifer:
Major Basin: LAKE ERIE Elevation: 0 Water Body Id:
Minor Basin: CUYAHOGA RIVER ECO Region:
RF1 Index: 04110002 RF1 Mile Point: 0.000 Distance from RF1: 2.10 On/Off RF1:
RF3 Index: 04110002001400.00 RF3 Mile Point: 0.33 Distance from RF3: 0.11 On/Off RF3:
Description:
PURPOSE - INTENSIVE BIOLOGICAL AND WATER QUALITY SURVEY OF THE CUYAHOGA RIVER.
LOCATION - CUYAHOGA CO.; LOCATED AT THE RAILROAD BRIDGE JUST UPSTREAM FROM THE CLEVELAND SOUTHERLY WWTP OUTFALL.
COLLECTION - OHIO EPA, DIVISION OF WATER QUALITY MONITORING, NORTHEAST

Parameter Inventory for Station: CUVA0226

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/87-09/24/91	11	20.5	19.345	25.3	8.5	21.863	4.676	9.9	17.	23.	25.04
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/15/87-09/24/91	11	600.	602.818	900.	435.	19630.164	140.108	439.2	497.	675.	872.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/15/87-10/29/87	4	623.	657.	847.	535.	19568.	139.886	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/15/87-09/24/91	11	7.3	7.7	10.4	6.7	1.06	1.03	6.74	7.1	8.1	9.98
00310	BOD, 5 DAY, 20 DEG C MG/L	09/15/87-09/15/87	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/15/87-09/24/91	16 ##	10.	16.688	34.	5.	115.696	10.756	5.	10.	29.75	34.
00400	PH (STANDARD UNITS)	07/15/87-09/24/91	11	7.87	7.806	8.	7.5	0.048	0.22	7.5	7.5	8.	8.
00400	CONVERTED PH (STANDARD UNITS)	07/15/87-09/24/91	11	7.87	7.753	8.	7.5	0.052	0.227	7.5	7.5	8.	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/87-09/24/91	11	0.013	0.018	0.032	0.01	0.	0.01	0.01	0.01	0.032	0.032
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/31/90-09/25/90	6	138.	136.167	155.	111.	245.767	15.677	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/31/90-09/25/90	5	474.	491.2	584.	380.	7857.2	88.641	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/15/87-09/24/91	17	43.	75.588	585.	2.5	18371.726	135.542	2.5	19.5	70.	211.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/15/87-09/24/91	17	0.12	0.176	1.23	0.025	0.08	0.282	0.025	0.05	0.17	0.502
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/15/87-09/24/91	17	0.05	0.063	0.22	0.03	0.002	0.045	0.03	0.035	0.07	0.116
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/15/87-09/24/91	16	0.7	0.788	1.7	0.6	0.073	0.27	0.6	0.625	0.875	1.21
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/15/87-09/24/91	17	2.13	2.655	4.71	1.25	1.235	1.111	1.37	1.775	3.345	4.702
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/87-09/24/91	16	0.175	0.183	0.7	0.025	0.025	0.159	0.025	0.083	0.23	0.392
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/31/90-09/25/90	6 ##	2.5	3.367	5.2	2.5	1.807	1.344	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	07/15/87-09/24/91	11 ##	0.003	0.003	0.003	0.003	0.	0.	0.003	0.003	0.003	0.003
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/15/87-09/24/91	17	241.	229.706	288.	177.	1197.221	34.601	178.6	194.	254.5	276.
00916	CALCIUM, TOTAL (MG/L AS CA)	07/15/87-09/24/91	17	70.	66.124	82.5	51.	92.672	9.627	51.8	56.45	72.45	78.9
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/15/87-09/24/91	17	16.	15.7	19.9	12.	6.574	2.564	12.	12.95	18.	19.18
00940	CHLORIDE,TOTAL IN WATER MG/L	05/31/90-09/24/91	12	106.5	103.083	130.	70.	468.447	21.644	72.1	81.5	125.75	129.4
01002	ARSENIC, TOTAL (UG/L AS AS)	07/15/87-09/24/91	13	3.	3.462	13.	1.	9.103	3.017	1.4	2.	3.	9.8
01027	CADMIUM, TOTAL (UG/L AS CD)	07/15/87-09/24/91	16 ##	0.1	0.85	8.	0.1	4.181	2.045	0.1	0.1	0.325	4.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/15/87-09/24/91	17 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01042	COPPER, TOTAL (UG/L AS CU)	07/15/87-09/24/91	17 ##	5.	7.412	40.	5.	72.007	8.486	5.	5.	5.	16.
01045	IRON, TOTAL (UG/L AS FE)	07/15/87-10/29/87	5	2760.	7056.	27400.	360.	130945080.	11443.124	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/15/87-09/24/91	17	4.	10.882	113.	1.	702.985	26.514	1.	2.	7.5	32.2
01055	MANGANESE, TOTAL (UG/L AS MN)	07/15/87-10/29/87	5	165.	269.	840.	80.	103417.5	321.586	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/15/87-09/24/91	17 ##	20.	20.	20.	20.	0.	0.	20.	20.	20.	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: CUVA0226

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092	ZINC, TOTAL (UG/L AS ZN)	07/15/87-09/24/91	17	20.	40.882	310.	5.	5075.735	71.244	5.	12.5	40.	110.
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/15/87-10/29/87	5	1420.	3942.	14100.	250.	33519720.	5789.622	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/15/87-09/24/91	10 ##	5.	7.	10.	5.	6.667	2.582	5.	5.	10.	10.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/15/87-09/24/91	17	478.	484.941	658.	328.	8976.059	94.742	356.8	388.	569.	597.2
80082	BOD, CARBONACEOUS, 5 DAY, 20 DEG C MG/L	05/31/90-09/24/91	12	1.2	1.158	2.8	0.5	0.434	0.658	0.5	0.5	1.4	2.41
80087	BOD, CARBONACEOUS, 20 DAY, 20 DEG C MG/L	05/31/90-09/25/90	6	3.9	3.8	4.6	2.8	0.512	0.716	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0226

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	11	0	0.00	11	0	0.00									
00400	PH	Other-Hi Lim.	9.	11	0	0.00	11	0	0.00									
		Other-Lo Lim.	6.5	11	0	0.00	11	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	17	0	0.00	16	0	0.00				1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	17	0	0.00	16	0	0.00				1	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	11	0	0.00	11	0	0.00									
		Drinking Water	0.2	11	0	0.00	11	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	12	0	0.00	11	0	0.00				1	0	0.00			
		Drinking Water	250.	12	0	0.00	11	0	0.00				1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	13	0	0.00	13	0	0.00									
		Drinking Water	50.	13	0	0.00	13	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	16	1	0.06	15	1	0.07				1	0	0.00			
		Drinking Water	5.	16	1	0.06	15	1	0.07				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	17	0	0.00	16	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	17	1	0.06	16	1	0.06				1	0	0.00			
		Drinking Water	1300.	17	0	0.00	16	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	17	1	0.06	16	1	0.06				1	0	0.00			
		Drinking Water	15.	17	1	0.06	16	1	0.06				1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	17	0	0.00	16	0	0.00				1	0	0.00			
		Drinking Water	100.	17	0	0.00	16	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	17	1	0.06	16	1	0.06				1	0	0.00			
		Drinking Water	5000.	17	0	0.00	16	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: CUVA0227

NPS Station ID: CUVA0227
LAT/LON: 41.435837/ -81.663892
Agency: 1115R060
Date Created: / /
Location: U.S. STEEL #9 WATER INTAKE
FIPS State/County: 39000 OHIO/
Station Type: /TYPA/IND/NTRTMT/INTAKE/STREAM
STORET Station ID(s): 301508
RMI-Indexes: 0603002 000070
Within Park Boundary: No
RMI-Miles: 0008.90 0000.10
HUC: 04110002
Depth of Water: 999
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER BASIN, OHIO CANAL
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 7.070
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 04110002000100.20
RF3 Mile Point: 1.08
Distance from RF3: 0.01
On/Off RF3:
Description:
U.S.STEEL CORP WATER INTAKE #9 FOR CUYAHOGA WORKS AREA. INTAKE AT M.P. 0.10 ON OHIO CANAL.
PURPOSE-IND. PT. SOURCE MONITORING-----TYPE OF SAMPLING-GRAB & COMPOSITE FREQUENCY OF SAMPLING-INFREQUENTLY-----LIFE EXPECTANCY OF DATA-10 YEARS
CROSS REFERANCE TO OTHER DATA SOURCES-AGENCY CODE 12OHDO, STATIONS

Parameter Inventory for Station: CUVA0227

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/25/69-09/29/70	7	18.	17.	22.5	9.	22.917	4.787	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	09/25/69-09/25/69	1	97.9	97.9	97.9	97.9	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/25/69-09/29/70	4	7.55	7.625	7.9	7.5	0.036	0.189	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/25/69-09/29/70	4	7.547	7.598	7.9	7.5	0.037	0.192	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/25/69-09/29/70	4	0.028	0.025	0.032	0.013	0.	0.009	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	09/25/69-09/25/69	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	09/25/69-09/29/70	8	914.	891.625	1282.	492.	59599.125	244.129	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/25/69-09/29/70	8	846.	801.5	1077.	404.	56958.571	238.66	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/69-09/29/70	8	85.	90.125	205.	8.	3995.268	63.208	**	**	**	**
00546	RESIDUE, SETTLEABLE (MG/L)	09/25/69-09/29/70	8	35.	42.5	118.	0.	1636.571	40.455	**	**	**	**
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	09/25/69-09/29/70	8	3.1	3.675	6.4	1.6	3.096	1.76	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/25/69-09/25/69	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/25/69-09/29/70	4 ##	5.	8.75	20.	5.	56.25	7.5	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/25/69-09/29/70	4 ##	21.25	41.25	110.	12.5	2168.75	46.57	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/25/69-09/29/70	4 ##	16.25	35.625	100.	10.	1859.896	43.127	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/25/69-09/29/70	4	2900.	2575.	3300.	1200.	935833.333	967.385	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/25/69-09/29/70	4 ##	75.	107.5	230.	50.	7225.	85.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	09/25/69-09/29/70	4 ##	25.	31.25	50.	25.	156.25	12.5	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/25/69-09/29/70	4	90.	77.5	120.	10.	2291.667	47.871	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/25/69-09/25/69	1	18.	18.	18.	18.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: CUVA0227

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									

& - 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: CUVA0227

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	1	1.00	1	1	1.00									
		Drinking Water	0.2	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.	4	1	0.25	4	1	0.25									
01042	COPPER, TOTAL	Fresh Acute	18.	4	2	0.50	4	2	0.50									
		Drinking Water	1300.	4	0	0.00	4	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	4	2	0.50	4	2	0.50									
		Drinking Water	15.	2 &	2	1.00	2	2	1.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	4	0	0.00									
		Drinking Water	100.	4	0	0.00	4	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	4	1	0.25	4	1	0.25									
		Drinking Water	5000.	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: CUVA0228

NPS Station ID: CUVA0228
LAT/LON: 41.436115/ -81.663892
Agency: 1115R060
Date Created: / /
Location: U.S. STEEL #172 OUTFALL
FIPS State/County: 39000 OHIO/
Station Type: /AMBNT/STREAM
STORET Station ID(s): 301506
RMI-Indexes: 0603002
Within Park Boundary: No
RMI-Miles: 0008.96
HUC: 04110002
Depth of Water: 999
Aquifer:
Major Basin: LAKE ERIE
Elevation: 0
Water Body Id:
Minor Basin: CUYAHOGA RIVER, CUYAHOGA FALLS
ECO Region:
RF1 Index: 04110002001
RF1 Mile Point: 7.070
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 04110002000100.20
RF3 Mile Point: 3.05
Distance from RF3: 0.01
On/Off RF3:
Description:
U.S. STEEL CORP. CUYAHOGA WORKS AREA- ROLLING MILL OUTFALL #172 (172-L-CR) AT MILE PT. 8.96

Parameter Inventory for Station: CUVA0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/69-09/29/70	10	23.	22.33	28.	15.	20.833	4.564	15.2	17.225	26.375	27.95
00335	COD, .025N K2CR2O7 MG/L	09/16/69-09/22/69	4	72.9	70.675	91.8	45.1	406.589	20.164	**	**	**	**
00400	PH (STANDARD UNITS)	09/16/69-09/29/70	7	7.2	7.171	7.9	6.1	0.432	0.658	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/16/69-09/29/70	7	7.2	6.733	7.9	6.1	0.657	0.81	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/69-09/29/70	7	0.063	0.185	0.794	0.013	0.083	0.289	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	09/16/69-09/22/69	4	17.	20.5	37.	11.	153.	12.369	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	09/16/69-09/29/70	12	792.5	804.5	1384.	475.	69697.545	264.003	488.5	557.75	909.75	1299.4
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/16/69-09/29/70	12	694.5	732.667	1277.	435.	60409.515	245.783	448.8	516.25	888.	1194.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/16/69-09/29/70	12	59.	63.5	139.	13.	1596.273	39.953	13.6	28.	97.75	129.4
00546	RESIDUE, SETTLEABLE (MG/L)	09/16/69-09/29/70	11	20.	32.273	84.	7.	798.018	28.249	7.4	10.	58.	82.8
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC.,MG/L	09/16/69-09/29/70	11	7.2	9.891	25.2	0.	65.659	8.103	0.2	3.6	19.2	24.04
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	09/16/69-09/22/69	4	0.05	0.063	0.15	0.	0.006	0.075	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/16/69-09/29/70	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/16/69-09/29/70	7 ##	12.5	24.286	60.	12.5	316.071	17.778	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/16/69-09/29/70	7	60.	64.286	100.	20.	761.905	27.603	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/16/69-09/29/70	7	6700.	7171.429	15550.	1700.	22576547.619	4751.478	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/16/69-09/29/70	7	100.	118.571	200.	50.	3914.286	62.564	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	09/16/69-09/29/70	7 ##	25.	50.	100.	25.	1250.	35.355	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/16/69-09/29/70	7	260.	252.857	360.	100.	12557.143	112.059	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	09/16/69-09/22/69	4	18.	18.5	25.	13.	30.333	5.508	**	**	**	**
74020	FLOW, PUMP OUT MGD	09/16/69-09/28/70	9	15.51	15.8	23.91	12.93	13.153	3.627	12.93	12.93	17.45	23.91

** - 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: CUVA0228

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	7	0	0.00	7	0	0.00									
		Other-Lo Lim.	6.5	7	2	0.29	7	2	0.29									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	4	2	0.50	4	2	0.50									
		Drinking Water	0.2	4	0	0.00	4	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												

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

EPA Water Quality Criteria Analysis for Station: CUVA0228

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01034	CHROMIUM, TOTAL	Drinking Water	100.	7	0	0.00	7	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	7	7	1.00	7	7	1.00									
		Drinking Water	1300.	7	0	0.00	7	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	7	5	0.71	7	5	0.71									
		Drinking Water	15.	5 &	5	1.00	5	5	1.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	7	0	0.00	7	0	0.00									
		Drinking Water	100.	7	2	0.29	7	2	0.29									
01092	ZINC, TOTAL	Fresh Acute	120.	7	5	0.71	7	5	0.71									
		Drinking Water	5000.	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

EPA Water Quality Criteria Analysis for Entire CUVA Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	617	17	0.03	198	8	0.04	260	3	0.01	159	6	0.04			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	110	11	0.10	35	2	0.06	37	6	0.16	38	3	0.08			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1810	54	0.03	877	39	0.04	510	3	0.01	423	12	0.03			
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1515	38	0.03	860	24	0.03	214	7	0.03	441	7	0.02			
00400	PH	Other-Hi Lim.	9.	3520	6	0.00	1800	5	0.00	793	0	0.00	927	1	0.00			
		Other-Lo Lim.	6.5	3520	24	0.01	1800	14	0.01	793	7	0.01	927	3	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	660	0	0.00	205	0	0.00	225	0	0.00	230	0	0.00			
		Other-Lo Lim.	6.5	660	7	0.01	205	7	0.03	225	0	0.00	230	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	41	0	0.00	13	0	0.00	13	0	0.00	15	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1174	2	0.00	751	2	0.00	240	0	0.00	183	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	122	0	0.00	32	0	0.00	55	0	0.00	35	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	133	1	0.01	47	1	0.02	40	0	0.00	46	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1523	21	0.01	899	19	0.02	349	1	0.00	275	1	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	5548	1	0.00	1726	1	0.00	2065	0	0.00	1757	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	360	16	0.04	218	9	0.04	75	1	0.01	67	6	0.09			
		Drinking Water	0.2	360	2	0.01	218	1	0.00	75	0	0.00	67	1	0.01			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	7739	3	0.00	2929	0	0.00	2455	1	0.00	2355	2	0.00			
		Drinking Water	250.	7739	241	0.03	2929	41	0.01	2455	162	0.07	2355	38	0.02			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	744	0	0.00	273	0	0.00	263	0	0.00	208	0	0.00			
00950	FLOURIDE, DISSOLVED AS F	Drinking Water	4.	488	1	0.00	161	1	0.01	167	0	0.00	160	0	0.00			
00951	FLOURIDE, TOTAL AS F	Drinking Water	4.	39	0	0.00	21	0	0.00	4	0	0.00	14	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	60	0	0.00	20	0	0.00	20	0	0.00	20	0	0.00			
		Drinking Water	50.	60	0	0.00	20	0	0.00	20	0	0.00	20	0	0.00			
01001	ARSENIC, SUSPENDED	Fresh Acute	360.	19	0	0.00	8	0	0.00	6	0	0.00	5	0	0.00			
		Drinking Water	50.	19	0	0.00	8	0	0.00	6	0	0.00	5	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	441	0	0.00	344	0	0.00	39	0	0.00	58	0	0.00			
		Drinking Water	50.	441	4	0.01	344	3	0.01	39	1	0.03	58	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	62	0	0.00	17	0	0.00	23	0	0.00	22	0	0.00			
01006	BARIUM, SUSPENDED	Drinking Water	2000.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	94	0	0.00	37	0	0.00	14	0	0.00	43	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	36	0	0.00	10	0	0.00	13	0	0.00	13	0	0.00			
		Drinking Water	4.	36	0	0.00	10	0	0.00	13	0	0.00	13	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	12	0	0.00	12	0	0.00									
		Drinking Water	4.	12	0	0.00	12	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	67 &	7	0.10	20	1	0.05	27	6	0.22	20	0	0.00			
		Drinking Water	5.	67 &	7	0.10	20	1	0.05	27	6	0.22	20	0	0.00			
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	20	0	0.00	8	0	0.00	7	0	0.00	5	0	0.00			
		Drinking Water	5.	20	0	0.00	8	0	0.00	7	0	0.00	5	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1140 &	98	0.09	818	41	0.05	135	27	0.20	187	30	0.16			
		Drinking Water	5.	1140 &	90	0.08	818	35	0.04	135	25	0.19	187	30	0.16			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	59	0	0.00	19	0	0.00	20	0	0.00	20	0	0.00			
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	18	0	0.00	8	0	0.00	5	0	0.00	5	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	71	28	0.39	17	3	0.18	31	11	0.35	23	14	0.61			
		Drinking Water	100.	71	1	0.01	17	0	0.00	31	1	0.03	23	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1113	15	0.01	758	8	0.01	154	6	0.04	201	1	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	77	11	0.14	19	1	0.05	27	6	0.22	31	4	0.13			
		Drinking Water	1300.	77	0	0.00	19	0	0.00	27	0	0.00	31	0	0.00			
01041	COPPER, SUSPENDED	Fresh Acute	18.	23	5	0.22	9	1	0.11	7	3	0.43	7	1	0.14			
		Drinking Water	1300.	23	0	0.00	9	0	0.00	7	0	0.00	7	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1291	288	0.22	888	125	0.14	178	77	0.43	225	86	0.38			
		Drinking Water	1300.	1291	0	0.00	888	0	0.00	178	0	0.00	225	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	78	2	0.03	20	0	0.00	27	1	0.04	31	1	0.03			
		Drinking Water	15.	63 &	4	0.06	20	1	0.05	22	2	0.09	21	1	0.05			
01050	LEAD, SUSPENDED	Fresh Acute	82.	22	0	0.00	9	0	0.00	7	0	0.00	6	0	0.00			
		Drinking Water	15.	22	5	0.23	9	2	0.22	7	1	0.14	6	2	0.33			
01051	LEAD, TOTAL	Fresh Acute	82.	1264	34	0.03	877	20	0.02	167	7	0.04	220	7	0.03			
		Drinking Water	15.	1259 &	159	0.13	872	73	0.08	167	50	0.30	220	36	0.16			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	12	0	0.00	12	0	0.00									
		Drinking Water	2.	3 &	1	0.33	3	1	0.33									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	63	0	0.00	14	0	0.00	28	0	0.00	21	0	0.00			
		Drinking Water	100.	63	1	0.02	14	0	0.00	28	1	0.04	21	0	0.00			
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	9	0	0.00	2	0	0.00	3	0	0.00	4	0	0.00			
		Drinking Water	100.	9	0	0.00	2	0	0.00	3	0	0.00	4	0	0.00			

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

EPA Water Quality Criteria Analysis for Entire CUVA Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01067	NICKEL, TOTAL	Fresh Acute	1400.	1052	0	0.00	775	0	0.00	117	0	0.00	160	0	0.00			
		Drinking Water	100.	1051 &	49	0.05	775	18	0.02	116	19	0.16	160	12	0.08			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	62	0	0.00	17	0	0.00	23	0	0.00	22	0	0.00			
		Drinking Water	100.	62	0	0.00	17	0	0.00	23	0	0.00	22	0	0.00			
01076	SILVER, SUSPENDED	Fresh Acute	4.1	12	1	0.08	4	1	0.25	4	0	0.00	4	0	0.00			
		Drinking Water	100.	12	0	0.00	4	0	0.00	4	0	0.00	4	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	47 &	13	0.28	24	4	0.17	9	3	0.33	14	6	0.43			
		Drinking Water	100.	55	0	0.00	32	0	0.00	9	0	0.00	14	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	78	4	0.05	20	0	0.00	27	4	0.15	31	0	0.00			
		Drinking Water	5000.	78	0	0.00	20	0	0.00	27	0	0.00	31	0	0.00			
01091	ZINC, SUSPENDED	Fresh Acute	120.	22	2	0.09	9	1	0.11	7	1	0.14	6	0	0.00			
		Drinking Water	5000.	22	0	0.00	9	0	0.00	7	0	0.00	6	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1308	122	0.09	908	62	0.07	173	28	0.16	227	32	0.14			
		Drinking Water	5000.	1308	0	0.00	908	0	0.00	173	0	0.00	227	0	0.00			
01097	ANTIMONY, TOTAL	Fresh Acute	88.	12	0	0.00	12	0	0.00									
		Drinking Water	6.	4 &	2	0.50	4	2	0.50									
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	70	0	0.00	21	0	0.00	25	0	0.00	24	0	0.00			
		Drinking Water	50.	70	0	0.00	21	0	0.00	25	0	0.00	24	0	0.00			
01146	SELENIUM, SUSPENDED	Fresh Acute	20.	18	0	0.00	8	0	0.00	6	0	0.00	4	0	0.00			
		Drinking Water	50.	18	0	0.00	8	0	0.00	6	0	0.00	4	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	95	0	0.00	52	0	0.00	16	0	0.00	27	0	0.00			
		Drinking Water	50.	95	0	0.00	52	0	0.00	16	0	0.00	27	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	127	125	0.98	55	53	0.96	27	27	1.00	45	45	1.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	7	5	0.71	4	4	1.00				3	1	0.33			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2403	1775	0.74	1305	985	0.75	265	209	0.79	833	581	0.70			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	228	180	0.79	107	65	0.61	66	63	0.95	55	52	0.95			
31648	E. COLI, MTEC, MF	Fresh Acute	126.	1010	810	0.80	584	465	0.80	15	15	1.00	411	330	0.80			
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	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						
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	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						
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
32105	DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	2	0	0.00	2	0	0.00									
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	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						
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00	1	0	0.00									
		Drinking Water	1000.	1	0	0.00	1	0	0.00									
34020	XYLENES IN WTR SMPLE GC-MS, HEXADECONE E	Drinking Water	10000.	1	0	0.00	1	0	0.00									
34205	ACENAPHTHENE, TOTAL	Fresh Acute	1700.	1	0	0.00	1	0	0.00									
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	2	0	0.00	2	0	0.00									
34306	CHLORODIBROMOMETHANE, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	2	0	0.00	2	0	0.00									
		Drinking Water	700.	2	0	0.00	2	0	0.00									
34376	FLUORANTHENE, TOTAL	Fresh Acute	3980.	1	0	0.00	1	0	0.00									
34386	HEXACHLOROCYCLOPENTADIENE	Fresh Acute	7.	1	0	0.00	1	0	0.00									
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL	Drinking Water	50.	1	0	0.00	1	0	0.00									
34396	HEXACHLOROETHANE, TOTAL	Fresh Acute	980.	1	0	0.00	1	0	0.00									
34403	IDENO (1,2,3-CD) PYRENE	Drinking Water	0.4	0 &	0	0.00												
34408	ISOPHORONE, TOTAL	Fresh Acute	117000.	1	0	0.00	1	0	0.00									
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	2	0	0.00	2	0	0.00									
34447	NITROBENZENE, TOTAL	Fresh Acute	27000.	1	0	0.00	1	0	0.00									
34452	PARACHLOROMETA CRESOL, TOTAL	Fresh Acute	30.	1	0	0.00	1	0	0.00									
34461	PHENANTHRENE, TOTAL	Fresh Acute	30.	1	0	0.00	1	0	0.00									
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	0	0.00	2	0	0.00									
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	2	0	0.00	2	0	0.00									
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	2	0	0.00	2	0	0.00									
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	2	0	0.00	2	0	0.00									
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	2	0	0.00	2	0	0.00									
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	2	0	0.00	2	0	0.00									
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	2	0	0.00	2	0	0.00									

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EPA Water Quality Criteria Analysis for Entire CUVA Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/31 Obs	7/01-10/31 Exceed	7/01-10/31 Prop.	11/01-3/14 Obs	11/01-3/14 Exceed	11/01-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34551	1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	70.	1	0	0.00	1	0	0.00									
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	2	0	0.00	2	0	0.00									
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	2	0	0.00	2	0	0.00									
34586	2-CHLOROPHENOL, TOTAL	Fresh Acute	4380.	1	0	0.00	1	0	0.00									
34601	2,4-DICHLOROPHENOL, TOTAL	Fresh Acute	2020.	1	0	0.00	1	0	0.00									
34606	2,4-DIMETHYLPHENOL, TOTAL	Fresh Acute	2120.	1	0	0.00	1	0	0.00									
34611	2,4-DINITROTOLUENE, TOTAL	Fresh Acute	330.	1	0	0.00	1	0	0.00									
34694	PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	Fresh Acute	10200.	1	0	0.00	1	0	0.00									
34696	NAPHTHALENE, TOTAL	Fresh Acute	2300.	1	0	0.00	1	0	0.00									
38760	DBCP, WATER, TOTAL	Drinking Water	0.2	0 &	0	0.00												
39025	SIMAZINE, COULSON CONDUCTIVITY WATER SAM	Drinking Water	4.	7	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00			
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	1.	1	1	1.00	1	1	1.00									
39033	ATRAZINE IN WHOLE WATER SAMPLE	Drinking Water	3.	57	1	0.02	20	0	0.00	1	0	0.00	36	1	0.03			
39053	ALDICARB IN WHOLE WATER	Drinking Water	3.	20	0	0.00	10	0	0.00				10	0	0.00			
39055	SIMAZINE IN WHOLE WATER	Drinking Water	4.	83	6	0.07	34	4	0.12	2	0	0.00	47	2	0.04			
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	Fresh Acute	2000.	1	0	0.00	1	0	0.00									
		Drinking Water	6.	1	0	0.00	1	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	0	0.00	2	0	0.00									
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	73	0	0.00	30	0	0.00	19	0	0.00	24	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	67	0	0.00	27	0	0.00	18	0	0.00	22	0	0.00			
		Drinking Water	0.2	67	1	0.01	27	0	0.00	18	0	0.00	22	1	0.05			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	73	0	0.00	30	0	0.00	19	0	0.00	24	0	0.00			
		Drinking Water	2.	73	0	0.00	30	0	0.00	19	0	0.00	24	0	0.00			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	73	0	0.00	30	0	0.00	19	0	0.00	24	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	73	0	0.00	30	0	0.00	19	0	0.00	24	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	73	0	0.00	30	0	0.00	19	0	0.00	24	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	73	0	0.00	30	0	0.00	19	0	0.00	24	0	0.00			
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	2	0	0.00				1	0	0.00	1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	73	0	0.00	30	0	0.00	19	0	0.00	24	0	0.00			
		Drinking Water	2.	73	0	0.00	30	0	0.00	19	0	0.00	24	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	16	0	0.00	5	0	0.00	7	0	0.00	4	0	0.00			
		Drinking Water	3.	16	0	0.00	5	0	0.00	7	0	0.00	4	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	74	0	0.00	30	0	0.00	19	0	0.00	25	0	0.00			
		Drinking Water	0.4	74	0	0.00	30	0	0.00	19	0	0.00	25	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	73	0	0.00	30	0	0.00	19	0	0.00	24	0	0.00			
		Drinking Water	0.2	73	0	0.00	30	0	0.00	19	0	0.00	24	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	73	0	0.00	30	0	0.00	19	0	0.00	24	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	70	0	0.00	29	0	0.00	17	0	0.00	24	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	7	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00			
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Drinking Water	1.	0 &	0	0.00												
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	1	0	0.00	1	0	0.00									
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPL	Fresh Acute	90.	1	0	0.00	1	0	0.00									
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	10	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00			
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	10	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00			
39782	LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	58	0	0.00	25	0	0.00	12	0	0.00	21	0	0.00			
		Drinking Water	0.2	58	0	0.00	25	0	0.00	12	0	0.00	21	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	19	14	0.74	6	2	0.33	12	12	1.00	1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	261	1	0.00	94	1	0.01	97	0	0.00	70	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	61	0	0.00	21	0	0.00	20	0	0.00	20	0	0.00			
		Drinking Water	2.	61	0	0.00	21	0	0.00	20	0	0.00	20	0	0.00			
71895	MERCURY, SUSPENDED	Fresh Acute	2.4	19	0	0.00	8	0	0.00	7	0	0.00	4	0	0.00			
		Drinking Water	2.	19	0	0.00	8	0	0.00	7	0	0.00	4	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	256 &	3	0.01	138	1	0.01	41	0	0.00	77	2	0.03			
		Drinking Water	2.	256 &	5	0.02	138	1	0.01	41	0	0.00	77	4	0.05			
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	1	0	0.00	1	0	0.00									
77128	STYRENE, WHOLE WATER	Drinking Water	100.	2	0	0.00	2	0	0.00									
77651	1,2-DIBROMOETHANE, WHOLE WATER	Drinking Water	0.05	0 &	0	0.00												
81405	CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	Drinking Water	40.	75	0	0.00	36	0	0.00	1	0	0.00	38	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1664	158	0.09	890	93	0.10	104	9	0.09	670	56	0.08			

& - 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 CUVA 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 CUVA Study Area Exist for These Groups:

Alkalinity		Total Obs.	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	2085	1143	176	766	59
00435	ACIDITY, TOTAL (MG/L AS CACO3)	18	1	12	5	6
00440	BICARBONATE ION (MG/L AS HCO3)	395	1	85	309	15
00445	CARBONATE ION (MG/L AS CO3)	396	6	85	305	15
		2894	1151	358	1385	95 (61)[!]

pH		Total Obs.	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00400	PH (STANDARD UNITS)	3578	1532	777	1269	175
00403	PH, LAB (STANDARD UNITS)	665	55	563	47	41
		4243	1587	1340	1316	216(179)[!]

Conductivity		Total Obs.	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	721	437	283	1	95
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	5370	2716	2117	537	148
		6091	3153	2400	538	243(176)[!]

Dissolved Oxygen		Total Obs.	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	1869	448	434	987	104
00300	OXYGEN, DISSOLVED (MG/L)	1515	1067	417	31	61
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	397	0	367	30	34
		3781	1515	1218	1048	199(165)[!]

Water Temperature		Total Obs.	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	4648	2257	909	1482	196
		4648	2257	909	1482	196(196)[!]

Flow		Total Obs.	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00058	FLOW RATE, GALLONS/MIN.	6	0	0	6	6
00060	FLOW, STREAM, MEAN DAILY CFS	424	54	105	265	11
00061	FLOW, STREAM, INSTANTANEOUS CFS	4844	2380	1946	518	67
00065	STAGE, STREAM (FEET)	515	299	101	115	17
		5789	2733	2152	904	101 (78)[!]

[!]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 12/15/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00070	TURBIDITY, (JACKSON CANDLE UNITS)	670	0	212	458	15
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	110	39	71	0	3
00077	TRANSPARENCY, SECCHI DISC (INCHES)	111	0	111	0	4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	4413	1920	1995	498	141
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	1664	1643	21	0	26
		6968	3602	2410	956	189(168)[1]

Nitrate/Nitrogen		Total Obs.	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00600	NITROGEN, TOTAL (MG/L AS N)	179	0	168	11	6
00602	NITROGEN, DISSOLVED (MG/L AS N)	17	0	17	0	1
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	152	1	150	1	5
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	17	0	17	0	1
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	76	44	32	0	3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	3785	1829	1664	292	149
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	122	1	0	121	7
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	135	3	46	86	14
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	33	0	33	0	1
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	6959	4806	2072	81	148
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	1548	531	643	374	130
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	5548	4032	1516	0	4
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	29	0	29	0	3
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	26	1	25	0	1
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	261	0	0	261	7
		18887	11248	6412	1227	480(157)[1]

Phosphate/Phosphorus		Total Obs.	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	416	0	40	376	15
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	21	0	21	0	7
00665	PHOSPHORUS, TOTAL (MG/L AS P)	7073	4864	2112	97	155
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	132	38	92	2	6
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	2792	1308	1482	2	5
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	11	0	0	11	11
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	23	11	10	2	6
		10468	6221	3757	490	205(166)[1]

Chlorophyll		Total Obs.	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	4	0	2	2	1
		4	0	2	2	1 (1)[1]

Sulfates/Total Dissolved Solids/Hardness		Total Obs.	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00900	HARDNESS, TOTAL (MG/L AS CACO3)	1495	724	428	343	142
00945	SULFATE, TOTAL (MG/L AS SO4)	744	138	213	393	33
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	1202	572	371	259	134
		3441	1434	1012	995	309(169)[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 12/15/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
31501	COLIFORM, TOT, MEMBRANE FILTER,IMMED.M-ENDOMED,35C	134	0	0	134	6
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	7	7	0	0	2
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	2425	1854	365	206	91
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	235	77	158	0	30
31648	E. COLI - MTEC-MF	1010	1010	0	0	26
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	176	40	132	4	3
		3987	2988	655	344	158(111)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Toxic Elements		Total Obs.	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
01097	ANTIMONY, TOTAL (UG/L AS SB)	12	12	0	0	2
01000	ARSENIC, DISSOLVED (UG/L AS AS)	60	27	28	5	2
01001	ARSENIC, SUSPENDED (UG/L AS AS)	19	0	15	4	1
01002	ARSENIC, TOTAL (UG/L AS AS)	447	307	123	17	72
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	36	27	9	0	1
01012	BERYLLIUM, TOTAL (UG/L AS BE)	12	12	0	0	2
01025	CADMIUM, DISSOLVED (UG/L AS CD)	78	27	28	23	20
01026	CADMIUM, SUSPENDED (UG/L AS CD)	20	0	17	3	1
01027	CADMIUM, TOTAL (UG/L AS CD)	1158	726	392	40	129
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	59	27	28	4	1
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	18	0	14	4	1
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	71	0	33	38	21
01034	CHROMIUM, TOTAL (UG/L AS CR)	1122	649	423	50	153
01040	COPPER, DISSOLVED (UG/L AS CU)	77	27	28	22	19
01041	COPPER, SUSPENDED (UG/L AS CU)	23	0	19	4	1
01042	COPPER, TOTAL (UG/L AS CU)	1299	744	489	66	143
01049	LEAD, DISSOLVED (UG/L AS PB)	78	27	28	23	20
01050	LEAD, SUSPENDED (UG/L AS PB)	22	0	19	3	1
01051	LEAD, TOTAL (UG/L AS PB)	1272	739	492	41	144
71890	MERCURY, DISSOLVED (UG/L AS HG)	61	27	28	6	3
71895	MERCURY, SUSPENDED (UG/L AS HG)	19	0	15	4	1
71900	MERCURY, TOTAL (UG/L AS HG)	262	12	214	36	39
01065	NICKEL, DISSOLVED (UG/L AS NI)	63	38	18	7	8
01066	NICKEL, SUSPENDED (UG/L AS NI)	9	0	9	0	1
01067	NICKEL, TOTAL (UG/L AS NI)	1060	691	347	22	128
01145	SELENIUM, DISSOLVED (UG/L AS SE)	70	38	28	4	1
01146	SELENIUM, SUSPENDED (UG/L AS SE)	18	0	14	4	1
01147	SELENIUM, TOTAL (UG/L AS SE)	100	32	50	18	18
01075	SILVER, DISSOLVED (UG/L AS AG)	62	38	24	0	1
01076	SILVER, SUSPENDED (UG/L AS AG)	12	0	12	0	1
01077	SILVER, TOTAL (UG/L AS AG)	55	12	40	3	12
01059	THALLIUM, TOTAL (UG/L AS TL)	12	12	0	0	2
01090	ZINC, DISSOLVED (UG/L AS ZN)	78	27	28	23	20
01091	ZINC, SUSPENDED (UG/L ZN)	22	0	19	3	1
01092	ZINC, TOTAL (UG/L AS ZN)	1316	769	493	54	143
00720	CYANIDE, TOTAL (MG/L AS CN)	361	177	151	33	55
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	2	2	0	0	2
32104	BROMOFORM, WHOLE WATER, (UG/L)	3	2	1	0	3
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	3	2	1	0	3
34301	CHLOROBENZENE, TOTAL (UG/L)	2	2	0	0	2
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	2	2	0	0	2
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	1	0	1	0	1
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	1	1	0	0	1
32106	CHLOROFORM, WHOLE WATER (UG/L)	3	2	1	0	3
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	3	2	1	0	3
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	2	2	0	0	2
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	3	2	1	0	3
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	2	2	0	0	2
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	2	2	0	0	2
34371	ETHYLBENZENE, TOTAL (UG/L)	2	2	0	0	2
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	2	2	0	0	2
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	2	2	0	0	2
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	2	2	0	0	2
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	1	1	0	0	1
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	2	2	0	0	2

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Toxic Elements - Continued ...		Total Obs.	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	2	2	0	0	2
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	2	2	0	0	2
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	2	2	0	0	2
34586	2-CHLOROPHENOL, TOTAL (UG/L)	1	1	0	0	1
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	1	1	0	0	1
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	1	1	0	0	1
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	1	1	0	0	1
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	1	1	0	0	1
34591	2-NITROPHENOL, TOTAL (UG/L)	1	1	0	0	1
34646	4-NITROPHENOL, TOTAL (UG/L)	1	1	0	0	1
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	1	1	0	0	1
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	1	1	0	0	1
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	1	1	0	0	1
34205	ACENAPHTHENE, TOTAL (UG/L)	1	1	0	0	1
34200	ACENAPHTHYLENE, TOTAL (UG/L)	1	1	0	0	1
34220	ANTHRACENE, TOTAL (UG/L)	1	1	0	0	1
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	1	1	0	0	1
34247	BENZO-A-PYRENE, TOTAL (UG/L)	1	1	0	0	1
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	1	1	0	0	1
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	1	1	0	0	1
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	1	1	0	0	1
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	1	1	0	0	1
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	1	1	0	0	1
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	1	1	0	0	1
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	1	1	0	0	1
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	1	1	0	0	1
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	1	1	0	0	1
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	1	1	0	0	1
34320	CHRYSENE, TOTAL (UG/L)	1	1	0	0	1
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	1	1	0	0	1
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	2	2	0	0	2
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	2	2	0	0	2
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	2	2	0	0	2
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	19	1	18	0	1
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	19	1	18	0	1
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	1	1	0	0	1
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	1	1	0	0	1
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	1	1	0	0	1
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	1	1	0	0	1
34376	FLUORANTHENE, TOTAL (UG/L)	1	1	0	0	1
34381	FLUORENE, TOTAL (UG/L)	1	1	0	0	1
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	1	1	0	0	1
34396	HEXACHLOROETHANE, TOTAL (UG/L)	1	1	0	0	1
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	1	1	0	0	1
34408	ISOPHORONE, TOTAL (UG/L)	1	1	0	0	1
34696	NAPHTHALENE, TOTAL (UG/L)	1	1	0	0	1
34447	NITROBENZENE, TOTAL (UG/L)	1	1	0	0	1
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	1	1	0	0	1
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	1	1	0	0	1
34461	PHENANTHRENE, TOTAL (UG/L)	1	1	0	0	1
34469	PYRENE, TOTAL (UG/L)	1	1	0	0	1
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	1	1	0	0	1

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Toxic Elements - Continued ...		Total Obs.	01/01/85 to 12/15/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	78	0	41	37	4
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	67	0	39	28	4
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	63	0	26	37	3
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	78	0	41	37	4
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	78	0	41	37	4
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	78	0	41	37	4
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	78	0	41	37	4
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	78	0	41	37	4
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	78	0	41	37	4
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	79	0	41	38	4
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	78	0	41	37	4
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	2	0	2	0	1
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	16	0	16	0	2
		10454	5319	4172	963	1319(165)[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	2894	1151	39.8	61	27.0	47.4	09/21/64-12/15/94	95.7
pH	4243	1587	37.4	179	79.2	23.7	09/21/64-12/15/94	140.3
Conductivity	6091	3153	51.8	176	77.9	34.6	09/21/64-12/15/94	201.5
Dissolved Oxygen	3781	1515	40.1	165	73.0	22.9	09/21/64-12/15/94	125.1
Water Temperature	4648	2257	48.6	196	86.7	23.7	09/24/64-12/15/94	153.8
Flow	5789	2733	47.2	78	34.5	74.2	01/22/57-12/15/94	152.8
Clarity/Turbidity	6968	3602	51.7	168	74.3	41.5	09/16/69-12/15/94	276.0
Nitrate/Nitrogen	18887	11248	59.6	157	69.5	120.3	09/21/64-12/15/94	624.7
Phosphate/Phosphorus	10468	6221	59.4	166	73.5	63.1	04/12/72-12/15/94	461.6
Chlorophyll	4	0	0.0	1	0.4	4.0	09/11/74-08/05/75	4.0[!]
Sulfates/Total Dissolved Solids/Hardness	3441	1434	41.7	169	74.8	20.4	09/21/64-12/15/94	113.8
Bacteria	3987	2988	74.9	111	49.1	35.9	11/03/64-12/15/94	132.4
Toxic Elements	10454	5319	50.9	165	73.0	63.4	09/16/69-12/15/94	414.0

[!]Period of record for this parameter group was less than one year. Value shown is the total observations.

Water Quality Observations
Outside STORET Edit Criteria for CUVA

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
CUVA0004	00335	COD, .025N K2CR2O7 MG/L	860814	1025	1860.0000000	21OHIO	F01A14	
CUVA0004	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	860814	1025	180.0000000	21OHIO	F01A14	
CUVA0004	00665	PHOSPHORUS, TOTAL (MG/L AS P)	860814	1025	11.7000000	21OHIO	F01A14	
CUVA0004	01045	IRON, TOTAL (UG/L AS FE)	860814	1025	146000.0000000	21OHIO	F01A14	
CUVA0004	01051	LEAD, TOTAL (UG/L AS PB)	860814	1025	1080.0000000	21OHIO	F01A14	
CUVA0008	01045	IRON, TOTAL (UG/L AS FE)	861104	1040	64800.0000000	21OHIO	F01A13	
CUVA0008	01055	MANGANESE, TOTAL (UG/L AS MN)	861104	1040	5280.0000000	21OHIO	F01A13	
CUVA0011	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	760819	1410	220.0000000	112WRD	410323081324700	
CUVA0012	00335	COD, .025N K2CR2O7 MG/L	860814	0935	5200.0000000	21OHIO	F01A12	
CUVA0012	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	860814	0935	270.0000000	21OHIO	F01A12	
CUVA0012	00665	PHOSPHORUS, TOTAL (MG/L AS P)	860814	0935	21.4000000	21OHIO	F01A12	
CUVA0044	31679	FECAL STREP., MF M-ENTEROCOCCUS AGAR,35C,48H	770721	1115	750000.0000000	21OHIO	502080	
CUVA0063	71900	MERCURY, TOTAL (UG/L AS HG)	710603	1135	61.0000000	112WRD	04206000	
CUVA0067	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	920713	1015	0.0000000	112WRD	04206050	x
CUVA0083	00665	PHOSPHORUS, TOTAL (MG/L AS P)	870624	0923	36.0000000	21OHIO	F01S15	
CUVA0146	31679	FECAL STREP., MF M-ENTEROCOCCUS AGAR,35C,48H	820914	1030	600000.0000000	112WRD	411747081341300	
CUVA0167	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	781227	1300	20.0000000	112WRD	04207300	
CUVA0168	01034	CHROMIUM, TOTAL (UG/L AS CR)	830111	1300	5385.0000000	21OHIO	F01A09	
CUVA0169	00665	PHOSPHORUS, TOTAL (MG/L AS P)	830111	1055	33.8000000	21OHIO	F01A08	
CUVA0181	01105	ALUMINUM, TOTAL (UG/L AS AL)	840726	1055	52100.0000000	21OHIO	F01S39	
CUVA0181	01105	ALUMINUM, TOTAL (UG/L AS AL)	840808	1100	34000.0000000	21OHIO	F01S39	
CUVA0190	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	750115	0300	5.3000000	12OHDO	390514	
CUVA0194	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	760307	0005	3600.0000000	21OHIO	F01P54	
CUVA0194	01034	CHROMIUM, TOTAL (UG/L AS CR)	760307	0005	4080.0000000	21OHIO	F01P54	
CUVA0195	00310	BOD, 5 DAY, 20 DEG C MG/L	750114	0900	151.0000000	12OHDO	390513	
CUVA0195	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	750114	0900	115.0000000	12OHDO	390513	
CUVA0202	00405	CARBON DIOXIDE (MG/L AS CO2)	740206	1130	114.0000000	112WRD	04208000	
CUVA0202	00665	PHOSPHORUS, TOTAL (MG/L AS P)	890105	1200	133.0000000	112WRD	04208000	
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	821201	1300	-0.0010000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	821202	1300	-0.0010000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	821208	1300	-0.0010000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	830214	1300	-0.0010000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	830216	1300	-0.0010000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	830703	1300	-0.0020000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	830921	1300	-0.0060000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	830922	0100	-0.0020000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	830922	1300	-0.0040000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	840507	1300	-0.0010000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	841207	1300	-0.0050000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	850319	1300	-0.0040000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	850320	1300	-0.0040000	31HEIDRV	USGS04208000	x

Water Quality Observations
Outside STORET Edit Criteria for CUVA

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	850321	1300	-0.0040000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	850322	1300	-0.0040000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	850323	1300	-0.0040000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	850324	1300	-0.0020000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	850514	1300	-0.0100000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	850715	1900	-0.0020000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	850718	1300	-0.0010000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	860609	1300	-0.0070000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	860610	1300	-0.0030000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	860618	1300	-0.0050000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	860624	1900	-0.0030000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	860629	1300	-0.0030000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	860909	1300	-0.0050000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	860910	1300	-0.0040000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	860912	0100	-0.0010000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	860912	0700	-0.0040000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	860912	1300	-0.0040000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861013	1300	-0.0280000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861014	1300	-0.0110000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861018	1300	-0.0360000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861025	1900	-0.0050000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861120	1300	-0.0050000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861211	1900	-0.0050000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861215	1300	-0.0020000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861215	1900	-0.0310000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861216	1900	-0.0320000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861217	1900	-0.0300000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861218	1900	-0.0340000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861219	1900	-0.0320000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861220	1900	-0.0310000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861221	1900	-0.0310000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861222	1300	-0.0300000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861223	0100	-0.0220000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861223	1900	-0.0250000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861224	1900	-0.0170000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861225	1900	-0.0310000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861226	1900	-0.0260000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861227	1900	-0.0310000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861228	1900	-0.0240000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861229	1300	-0.0170000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	861229	1900	-0.0050000	31HEIDRV	USGS04208000	x

Water Quality Observations
Outside STORET Edit Criteria for CUVA

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870118	1900	-0.0330000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870119	1900	-0.0650000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870123	1900	-0.0210000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870421	1300	-0.0150000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870423	1300	-0.0010000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870507	1300	-0.0150000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870509	1300	-0.0020000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870519	1300	-0.0070000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870520	1300	-0.0010000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870525	1900	-0.0060000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870526	1300	-0.0060000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870602	1300	-0.0390000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870603	1300	-0.0380000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870604	1300	-0.0390000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870605	1300	-0.0280000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870606	1300	-0.0350000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870607	1300	-0.0400000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870608	0700	-0.0360000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870609	0700	-0.0030000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870615	1300	-0.0020000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870622	1300	-0.0050000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870623	0100	-0.0100000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870623	1300	-0.0100000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870624	1300	-0.0070000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870625	1300	-0.0030000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870630	0100	-0.0010000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870712	0100	-0.0120000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870713	0100	-0.0110000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870714	0100	-0.0030000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870715	0100	-0.0070000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870822	1300	-0.0020000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870822	1900	-0.0010000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870824	1300	-0.0200000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870825	1300	-0.0200000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870827	1300	-0.0600000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870828	1300	-0.0200000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870829	1300	-0.0200000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870830	1300	-0.0300000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870831	0700	-0.0300000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870915	1900	-0.0170000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870918	0700	-0.0030000	31HEIDRV	USGS04208000	x

Water Quality Observations
Outside STORET Edit Criteria for CUVA

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870918	1900	-0.0190000	31HEIDRV	USGS04208000	x
CUVA0204	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	870929	1900	-0.0180000	31HEIDRV	USGS04208000	x
CUVA0204	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	870821	1300	-0.0800000	31HEIDRV	USGS04208000	x
CUVA0205	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	850418	1100	5790.0000000	21OHIO	F01S56	

APPENDICES

Appendix A

Computer Files Transmitted With

Park Baseline Water Quality Data Inventory and Analysis

Computer disk(s) accompanying this report include up to seven (depending on the presence or absence of certain data elements) compressed (ZIP) files containing digital copies of nearly all the tables, figures, and other materials used to produce this report. To decompress these files, you must use the commonly available shareware program PKUNZIP. The command to type at the DOS prompt is:

PKUNZIP -E *COMPRESS.ZIP FILENAME.EXT*

where COMPRESS.ZIP is the name of one of the seven compressed (ZIP) files listed below and FILENAME.EXT is the name of the file you wish to extract. If you want to decompress all of the files in COMPRESS.ZIP, simply omit the FILENAME.EXT. To obtain a listing of all the files compressed into a particular ZIP file, type the following:

PKUNZIP -V *COMPRESS.ZIP* |MORE

where COMPRESS.ZIP is the name of one of the seven compressed ZIP files listed below. If a ZIP file spans multiple disks, use the last disk of the series (span) when obtaining a listing of all the files compressed into a particular ZIP file. Once you see the file you wish to obtain, substitute this file name for FILENAME.EXT in the first command line above to extract and decompress this particular file.

Included on one of the disk(s) accompanying this report is a program named PRINTZIP. This program will decompress ZIP files which don't span multiple disks and print certain files to a Hewlett-Packard (or compatible) Laser Printer. To use PRINTZIP, however, you must still have a copy of PKUNZIP in a directory listed in your path or in the same directory as the PRINTZIP program. PRINTZIP provides an easy, menu-driven interface for using PKUNZIP to decompress files and then send them to the printer. PRINTZIP allows you to send individual files, groups of files, or all files to the printer. PRINTZIP will not work with ZIP files that span multiple disks.

The following compressed (ZIP) files are included on the disk(s) accompanying this report:

(1) CUVATABS.ZIP

This compressed file contains all the tables presented in the report. The files compressed into this file include:

(a) CUVASITE.DOC - Descriptive listing of select fields from the industrial facilities discharges, drinking water intakes, and EPA-USGS stream gages databases.

(b) CUVAAGNC.DOC - Contacts for agencies whose data were retrieved within the study area.

(c) CUVAAGNQ.DOC - Number of stations, observations, and parameters retrieved by agency code within the study area and park.

(d) CUVAOV0.DOC - Overview of park and retrieved data.

(e) CUVAOV1.DOC - Station period of record table.

(f) CUVAOV2.DOC - Parameter period of record table.

(g) CUVAOV3.DOC - Station/parameter period of record table.

(h) CUVAINV.DOC - Station by station descriptive statistics over the entire period of record and comparison against EPA Water Quality Criteria for each station.

(i) CUVASEAN.DOC - Seasonal and annual water quality descriptive statistics at stations with water quality data meeting the default seasonal and annual criteria.

(j) CUVAEPAS.DOC - EPA Water Quality Criteria comparison for data at all stations combined within the study area.

(k) CUVAIDEA.DOC - Comparison of downloaded STORET data with NPS Servicewide Inventory and Monitoring Program "Level I" water quality parameters.

(l) CUVABAD.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 CUVAOV1.DOC is in the subdirectory C:\WATER, you could type: PRINT C:\WATER\CUVAOV1.DOC. This will print the file to your local or networked Hewlett-Packard (or compatible) Laser Printer attached to parallel port one (LPT1:). Alternatively, you can use the PRINTZIP program to decompress and print any of these files provided the ZIP file doesn't span multiple disks. These ASCII files can also be imported into word-processed documents, but the printer codes will then have to be removed.

(2) CUVAFIGS.ZIP

This compressed file contains graphics files for all the statistical figures (time series plots; annual box and whiskers plots; seasonal box and whiskers plots) in the report in two different formats: Computer Graphic Metafile (CGM) and Hewlett-Packard Printer Control Language (PCL). The files are named with the last three digits of the Station Name followed by the five digit STORET code. The file name extension begins with either a 1 (time series), 2 (annual), or 3 (seasonal) and then either GM for CGM or CL for PCL. For example, 00100300.2GM would denote the file contains an annual box and whiskers plot in CGM format for parameter 00300 (dissolved oxygen) at station CUVA0001. 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 CUVA0001) is in the subirectory C:\WATER, you would type: COPY C:\WATER\00100300.2CL LPT1: /B. This will print the file to your local or networked Hewlett-Packard (or compatible) Laser Printer attached to parallel port one (LPT1:). The /B is necessary because the PCL file is in a binary format. Alternatively, you can use the PRINTZIP program to decompress and print any of the PCL files provided the ZIP file doesn't span multiple disks. The CGM files can be imported and/or edited in most graphics packages, including WordPerfect.

(3) CUVAPARM.ZIP

This file compresses CUVAPARM.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) CUVASITE.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) CUVAWQ.DBF - All water quality monitoring station locations within the project's study area downloaded from STORET.

(b) CUVAIFD.DBF - All municipal and industrial facility discharges within the project's study area downloaded from the IFD database.

(c) CUVADRIN.DBF - All drinking water intakes within the project's study area downloaded from the DRINKS database.

(d) CUVAGAGE.DBF - All water gages within the project's study area downloaded from the GAGES database.

(e) CUVADAMS.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) CUVAMISC.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) CUVAEXEC.DOC - WordPerfect Ver. 5.1 copy of the Executive Summary in the report.

(b) CUVATOC.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) CUVAREGI - PCL and CLP (Windows Clipboard) copies of map displaying the regional location of the park and study area.

(f) CUVAWQ - 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 (CUVAWQA, CUVAWQB, CUVAWQC, etc.) and the index map name will end with an ampersand (&).

(g) CUVAIDG - 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 (CUVAIDGA, CUVAIDGB, CUVAIDGC, 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) CUVASEHY - 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 CUVAFIGS.ZIP and CUVATABS.ZIP, you can use the PRINTZIP program to print any of the PCL files in CUVAMISC.ZIP provided the ZIP file doesn't span multiple disks. You should not, however, use PRINTZIP to print the WordPerfect document files. The CLP (Windows Clipboard) files can be imported (pasted) and/or edited in most Windows-based word processors and graphics packages.

(6) CUVARF3.ZIP

This compressed file contains the Environmental Protection Agency's River Reach File Ver. 3.0 provisional data for the USGS catalog unit(s) encompassing the study area. The attribute data exist in both ASCII and DBASE III+ format, while the geographic traces exist in ASCII format. This compressed file contains four files for each catalog unit that touches the study area. Catalog units are identified by unique 8-character numeric names which identify the region, subregion, accounting unit, and catalog unit. Examples (your 8-character numeric names will be different) of the file types included in this compressed file are:

(a) 12345678.RF3 - ASCII formatted attribute file from the River Reach File for all hydrographic traces within the catalog unit.

(b) 12345678.DBF - DBASE III+ formatted attribute file from the River Reach File for all hydrographic traces within the catalog unit.

(c) 12345678.TRC - ASCII formatted geographic file from the River Reach File containing digital, geo-referenced descriptions of all hydrographic traces within the catalog unit at a scale of 1:100,000 suitable for import into a geographic information system.

(d) 12345678.CUB - ASCII formatted geographic file from the River Reach File containing a digital, geo-referenced description of the catalog unit boundary suitable for import into a geographic information system.

Detailed database structures for RF3-related files are contained in Appendix B.

(7) CUVAWQMW.ZIP

Between 2000 and 2002, all Baseline Water Quality Data Inventory and Analysis Reports were compiled or re-compiled in Microsoft Word 2000 (Ver. 9.0) format. This complete, digital version of the report will be made available through various means, including the Internet. Although the reports can be opened in Microsoft Word 1997 (Ver. 8.0), the time series and annual and seasonal box-plots may not be centered appropriately on a page due to discrepancies with how Word 2000 formats pictures and how Word 1997 formatted pictures. Consequently, Word 2000 is the recommended software for viewing the report. Prior to printing the report from Word, be sure to enable "Print Text as Graphics" or "Print True Type Font as Graphics" in the Printer Properties. This ensures a more faithful reproduction of the maps included in the Word document.

The Microsoft Word version of the Baseline Water Quality Data Inventory and Analysis Report may differ slightly from the original analog version. Reports issued during 1994-1996 didn't have as many "bells-and-whistles" as subsequent reports. In compiling digital Microsoft Word versions of these earlier reports, attempts were made to bring these 1994-1996 reports up to the current standard wherever feasible and practicable. Unfortunately, some changes were not feasible or practicable. For example, water quality criteria screens were added or modified over time when newer criteria became available. The digital Microsoft Word version of Appendix F presents the latest criteria screening parameters and values. Some of these parameters and/or values may not have been screened against in the EPA water quality criteria analyses for each station and the entire study area in the 1994-1996 analog versions of the report. Similarly, the Introduction, Methodology, and Interpretive Guide to Water Quality Results may mention certain features that aren't included in the 1994-1996 reports. Additionally, to prepare a Microsoft Word version of this report, data were processed through different versions of software than used originally. Consequently, some results presented in the Overview and Executive Summary may differ slightly from those presented in the analog report (eg. # of In Park and Longer Term Stations).

Appendix B

Water Quality Database File Structures

The following table provides the DBASE III+ database field structure for all the water quality parameter data downloaded from STORET. This data will allow parks or other interested parties to replicate the statistical analyses and graphics contained in this report; perform more sophisticated analyses; or to establish a baseline park water quality database.

Parameter Data File: CUVAPARM.DBF in CUVAPARM.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: CUVAPARM.DBF in CUVAPARM.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: CUVAPARM.DBF in CUVAPARM.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: CUVAWQ.DBF in CUVASITE.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: CUVAWQ.DBF in CUVASITE.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: CUVAIFD.DBF in CUVASITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	9	9	Site Identifier (NPDES Number)
LATITUDE	10	17	8	Facility Latitude (Degrees:Minutes:Seconds)
LONGITUDE	18	26	9	Facility Longitude (Degrees:Minutes:Seconds)
LAT	27	37	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	38	48	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	49	59	11	RF1 Reach Number Location
RF1MILE	60	65	6.2	Mile Point on RF1 Reach
RF1DIST	66	71	6.2	Distance From RF1 Reach
RF3INDEX	72	88	17	RF3 Reach Number Location
RF3MILE	89	94	6.2	Mile Point on RF3 Reach
RF3DIST	95	100	6.2	Distance From RF3 Reach
ADR	101	125	25	Address
BFL	126	132	7.2	Total Direct Combined C&P Flow (1000 GPD)
CCFLG	133	133	1	Coastal County Flag "Y"/"N"/"E"=Estuary
CC1	134	138	5	City Code #1 (EPA Code)
CFL	139	145	7.2	Total Direct Cooling Flow (1000 GPD)
CNC	146	148	3	County Code (FIPS)
CTY	149	168	20	City Name
CZIP	169	177	9	Canadian Zip Code
DNB	178	186	9	Dunn & Bradstreet Number
DNBFLG	187	187	1	Dunn & Bradstreet PCS Source Flag
EGF	188	202	15.4	Flow From Effluent Guidelines (1000 GPD)
EGS	203	208	6	Effluent Guidelines Subcategory
EXPDT	209	216	8	Expiration Date (mm/dd/yy)
E308SN	217	220	4	Effluent Guidelines Survey Number
FAC	221	229	9	SCS Facility Identifier (Cross-Reference)
FDS	230	232	3	Facility Data Source

Industrial Facilities Discharges File: CUVAIFD.DBF in CUVASITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
FFL	233	239	7.2	Total Facility Flow (1000 GPD)
FHF	240	240	1	Fac. Hit Flag (Reach File) V=Versar Assumed
FLOTYP	241	243	3	I=Blow Down, R=Bottom Ash, S=Fly Ash
FLR	244	250	7.2	Flow Recvd-Industrial (1000 GPD) Permit Data
FRDS	251	259	9	FRDS ID# - XREF To Water Supply
FRW	260	289	30	Facility Receiving Water Name
FS1	290	293	4	Facility SIC Code (From PCS)
FS2	294	297	4	Facility SIC Code #1
FS3	298	301	4	Facility SIC Code #2
FS4	302	305	4	Facility SIC Code #3
FS5	306	309	4	Facility SIC Code #4
FUD	310	317	8	Facility Level Last Date Updated (mm/dd/yy)
IACC	318	318	1	Inactive/Active Indicator ("I" or "A")
ICAT	319	320	2	WQAB Industrial Category
ICAT2	321	322	2	WQAB Industrial Category 2
ICAT3	323	324	2	WQAB Industrial Category 3
IFL	325	331	7	Total Indirect Flow (1000 GPD)
IFT	332	332	1	Illinois Facility Type (A thru Z)
IG1	333	334	2	Facility Industrial Group #1
IG2	335	336	2	Facility Industrial Group #2
IJCN	337	346	10	Canadian Record Identifier
INACT	347	353	7	Inactive/Rescinded P=Based on Permit;A=Actual
INDCNT	354	357	4	Computed Number of Indirect Dischargers
LATLON	358	372	15	Polygon Retrieval Lat/Long.
MAJ	373	373	1	Major-Minor Flag (From PCS)
MAPID	374	377	4	Map Identifier
MJMN	378	381	4	Major/Minor Basin (EPA-STORET)
NAM	382	441	60	Facility Name
NDC	442	444	3	Number of Discharges (Pipes)

Industrial Facilities Discharges File: CUVAIFD.DBF in CUVASITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
NDSFLO	445	451	7.2	NEEDS Flow (1000 GPD)
NDSIFLO	452	458	7.2	NEEDS Industrial Flow (1000 GPD)
NID	459	462	4	Number of Indirect Dischargers
NPC	463	463	1	NEEDS Pre-Treatment Code "Y"=Yes, "N"=No
NPS	464	464	1	NPDES Facility Source/Status
NSN	465	473	9	NEEDS Survey Number
NTC	474	474	1	NEEDS Treatment Code
OCP	475	480	6	Organic Chemical Producers ID Number
ODESCC	481	481	1	ODES Coastal County "Y"=Yes; "N"=No
OFL	482	488	7.2	Total Non-Direct Other Flow (1000 GPD)
OWN	489	491	3	Ownership Code
PFL	492	498	7.2	Total Direct Process Flow (1000 GPD)
REG	499	500	2	EPA Region
REGKEY	501	504	4	Region Key
RSLOFLO	505	511	7.2	Receiving Stream Low Flow
RSMNFLO	512	518	7.2	Receiving Stream Mean Flow
STA	519	520	2	State Postal Abbreviation
STAID	521	535	15	State Identifier
STC	536	537	2	State Code (FIPS)
STCITY	538	544	7	State/City Code
TFLOW	545	551	7.2	Type Flow (1000 GPD)
UFL	552	558	7.2	Total Direct Undefined Flow (1000 GPD)
XEGS	559	561	3	Effluent Guidelines Subcat Index
XKEY	562	562	1	"1","2","3","4","5","6","7","8","9"
XNME	563	565	3	GLP,DIR,F2C,ENF,CET,LAG,PPB,M85,M86
ZIP	566	570	5	Zip Code

The following table provides the DBASE III+ database field structures for drinking water intakes from the EPA DRINKS database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Drinking Water Intakes File: CUVADRIN.DBF in CUVASITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	20	20	Site Identifier
LATITUDE	21	28	8	Facility Latitude (Degrees:Minutes:Seconds)
LONGITUDE	29	37	9	Facility Longitude (Degrees:Minutes:Seconds)
LAT	38	48	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	49	59	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	60	70	11	RF1 Reach Number Location
RF1MILE	71	76	6.2	Mile Point on RF1 Reach
RF1DIST	77	82	6.2	Distance From RF1 Reach
RF3INDEX	83	99	17	RF3 Reach Number Location
RF3MILE	100	105	6.2	Mile Point on RF3 Reach
RF3DIST	106	111	6.2	Distance From RF3 Reach
AQCD	112	115	4	Aquifer Code
ASC	116	138	23	STORET Agency/Station Code
AVGD	139	142	4	Average Depth
BUY	143	143	1	Purchase Code
CC1	144	148	5	City Code #1 (EPA Code)
CNC	149	151	3	County Code (FIPS)
CNME	152	166	15	Contact Name
CNN	167	186	20	County Name
CTITLE	187	201	15	Contact Title
CTY	202	221	20	City Name
DUD	222	229	8	Date of Update
FRDS	230	238	9	FRDS ID# - Cross-Reference
GEOAG	239	258	20	Geologic Age
GEOCDE	259	261	3	Geologic Age Code
IDAT	262	269	8	Date (mm/dd/yy)

Drinking Water Intakes File: CUVADRIN.DBF in CUVASITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
INTAKET	270	270	1	Type Source G/S/B
INTRVWR	271	285	15	Interviewer
MAXD	286	289	4	Maximum Depth
MILES	290	296	7.2	Miles
MIND	297	300	4	Minimum Depth
NAME	301	320	20	Name
NPD	321	329	9	NPDES# XREF to IFD Database
NWLS	330	332	3	Number of Wells
OWN	333	335	3	Ownership
PAVGF	336	342	7.2	Production Avg. Daily (Gal/Day)
PCTSUP	343	345	3	%Surface / %Ground
PHONE	346	355	10	Telephone Number
PMAXF	356	362	7.2	Production Max. Daily (Gal/Day)
POPSV	363	371	9	Population Served
REG	372	373	2	EPA Region
SHLAT	374	379	6	Sitehelp Latitude (DDMMSS)
SHLNG	380	386	7	Sitehelp Longitude (DDDMMSS)
SHMILES	387	393	7.2	Sitehelp Miles
SHNME	394	403	10	Sitehelp Source Name
SHPCT	404	410	7.2	Sitehelp Percent of Reach Miles
SRC	411	413	3	Sitehelp Source Code
STA	414	415	2	State Abbreviation
STC	416	417	2	State Code (FIPS)
TUF	418	424	7.2	Total Utility Flow
TYPCDE	425	425	1	Type Code
UHF	426	426	1	Utility Hit Flag (Reach File)
VCDE	427	427	1	Versar Code='V'=>25K; '*'=<25K POPSVD
WFPC	428	428	1	Wellfield Precision Code
WFTYP	429	429	1	Well Type (Cassing,Artesian,Infiltration,etc.)

Drinking Water Intakes File: CUVADRIN.DBF in CUVASITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
WUN	430	449	20	Water Utility Name

The following table provides the DBASE III+ database field structures for the Water Gage database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Gage File: CUVAGAGE.DBF in CUVASITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	20	20	Site Identifier
LATITUDE	21	28	8	Facility Latitude (DDMMSS)
LONGITUDE	29	37	9	Facility Longitude (DDDMMSS)
LAT	38	48	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	49	59	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	60	70	11	RF1 Reach Number Location
RF1MILE	71	76	6.2	Mile Point on RF1 Reach
RF1DIST	77	82	6.2	Distance From RF1 Reach
RF3INDEX	83	99	17	RF3 Reach Number Location
RF3MILE	100	105	6.2	Mile Point on RF3 Reach
RF3DIST	106	111	6.2	Distance From RF3 Reach
JAN	112	118	7.2	Monthly Flow - January
FEB	119	125	7.2	Monthly Flow - February
MAR	126	132	7.2	Monthly Flow - March
APR	133	139	7.2	Monthly Flow - April
MAY	140	146	7.2	Monthly Flow - May
JUN	147	153	7.2	Monthly Flow - June
JUL	154	160	7.2	Monthly Flow - July
AUG	161	167	7.2	Monthly Flow - August
SEP	168	174	7.2	Monthly Flow - September
OCT	175	181	7.2	Monthly Flow - October
NOV	182	188	7.2	Monthly Flow - November
DEC	189	195	7.2	Monthly Flow - December
RGN	196	197	2	Region Code
AREA	198	204	7.2	Drainage Area (SQ.MI.)
DUD	205	212	8	Date of Update

Water Gage File: CUVAGAGE.DBF in CUVASITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
FBCF	213	213	1	Flag - Basic Characteristic File ('Y')
FDFF	214	214	1	Flag - Daily Flows File ('Y')
FQMINV	215	224	10	IHS Pt. Files Index
GHF	225	225	1	Hit Flag (Reach File)
ICDE	226	226	1	Integrity Code
LFVEL	227	233	7.2	Low Flow Velocity
METHOD	234	236	3	Calculation Method Code
MFVEL	237	243	7.2	Mean Flow Velocity
MNFLO	244	250	7.2	USGS Mean Annual Flow
NME	251	298	48	Station Name
SHLAT	299	304	6	Sitehelp Latitude (DDMMSS)
SHLNG	305	311	7	Sitehelp Longitude (DDDMMSS)
SHMILES	312	318	7.2	Sitehelp Miles
SHNME	319	328	10	Sitehelp Source Name
SHPCT	329	335	7.2	Sitehelp Percent of Reach Miles
SITE	336	337	2	Site Location
SRC	338	340	3	Sitehelp Source Code
STCTY	341	345	5	State/County Numeric Code
SVTEN	346	352	7.2	USGS 7-10 Year Flow
BEG_WYR	353	356	4	Beginning Water Year
END_WYR	357	359	4	Ending Water Year
ELEV	361	368	8.2	Elevation (Feet)
WELL_DP	369	376	8.2	Well Depth (Feet)

The following table provides the DBASE III+ database field structures for the Water Impoundment database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Impoundment File: CUVADAMS.DBF in CUVASITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	7	7	Site Identifier
SOURCE	8	10	3	Source of Data
ST1	11	12	2	Primary State Code Abbreviation
STCTY1	13	17	5	State/County Numeric Code
NAME	18	47	30	Official Name of Dam
LATITUDE	48	53	6	Facility Latitude (DDMMSS)
LONGITUDE	54	60	7	Facility Longitude (DDDMMSS)
LAT	61	70	10.6	Facility Latitude (decimal degrees, (-) below equator)
LON	71	81	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
INME	82	111	30	Impoundment Name
RNME	112	139	28	River, Stream, or Tributary Name on Which Dam Built
CUSEGMI	140	149	10	Catalog Unit, Segment, and Segment Length
REGN	150	151	2	Water Resources Council Region Code
RGBSN	152	155	4	Water Resources Region/Basin Code
CU	156	163	8	Catalog Unit
SEG	164	166	3	Reach Segment of Dam
SEGL	167	171	5.2	Reach Segment Length
PURP	172	172	1	Major Purpose of Dam
				I=Irrigation
				H=Hydroelectric
				N=Navigation
				S=Water Supply
				R=Recreation
				P=Stock/Farm Pond
				D=Debris Control
				F=Flood Control

Water Impoundment File: CUVADAMS.DBF in CUVASITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
				O=Other
FRF3	173	189	17	RF3 Reach Number Location
FRF3MI	190	194	5	Mile Point on RF3 Reach
PURPKEY	195	195	1	Purpose Key
PUR2	196	196	1	Purpose of Dam 2 (See Above)
PUR3	197	197	1	Purpose of Dam 3 (See Above)
PUR4	198	198	1	Purpose of Dam 4 (See Above)
PUR5	199	199	1	Purpose of Dam 5 (See Above)
PUR6	200	200	1	Purpose of Dam 6 (See Above)
PUR7	201	201	1	Purpose of Dam 7 (See Above)
PUR8	202	202	1	Purpose of Dam 8 (See Above)
PUR9	203	203	1	Purpose of Dam 9 (See Above)
PUR10	204	204	1	Purpose of Dam 10 (See Above)
TYPDAM	205	206	2	Major Dam Portion Type
				RE=Earth
				VA=Vaulted Arch
				CD=Buttress
				PG=Gravity
				ER=Rockfill
				MV=Multi-Arch
				OT=Other
YRCMP	207	210	4	Year Dam Completed
SHGT	211	214	4	Structural Height (Feet)
HHGT	215	218	4	Hydraulic Height (Feet)
VNORM	219	236	8	Normal Storage of Impoundment (Acre-Feet)
VMAX	227	234	8	Maximum Storage of Impoundment (Acre-Feet)
LCRST	235	239	5	Crest Length of Dam (Feet)
TSPL	240	240	1	Spillway Type
				C=Controlled

Water Impoundment File: CUVADAMS.DBF in CUVASITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
				U=Uncontrolled
				N=None
				X=Unknown
WSPL	241	244	4	Dam Spillway Width (Feet)
QMAX	245	251	7	Maximum Spillway Discharge (CFS)
PINS	252	258	7.2	Quantity of Installed Power (Megawatts)
PPRO	259	265	7.2	Quantity of Proposed Power (Megawatts)
LOCK	266	266	1	Number of Navigational Locks
OWNR	267	290	24	Name of Impoundment Owner
PFOWN	291	291	1	Ownership Code
				N=Non-Federal
				G=Federal Government Agency
				C=Corps of Engineers
				X=Unknown
FEDR	292	292	1	Federally Regulated (Y=Yes, N=No, X=Unknown)
FLND	293	293	1	Private Dam on Federal Land (Y=Yes, N=No, X=Unknown)
SCSA	294	294	1	Type of Soil Conservation Service Assistance
				N=No Assistance
				T=Technical Assistance
				F=Financial Assistance
				B=Both Technical and Financial Assistance
				X=Unknown
DHAZ	295	295	1	Degree of Downstream Hazard
				1=High (More than a Few Lives Lost; Excessive Economic Loss)
				2=Significant (A Few Lives Lost; Appreciable Economic Loss)
				3=Low (No Lives Expected Lost; Minimal Economic Loss)
DCITY	296	319	24	Nearest Downstream City

Water Impoundment File: CUVADAMS.DBF in CUVASITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
POP	320	326	7	Population of Downstream City
DMILE	327	331	5.2	Distance of Downstream City From Dam (Miles)
RET	332	342	11.2	Retention Coefficient (Dimensionless)
MIX	343	353	11.2	Mixing Coefficient (Dimensionless)
SAREA	354	361	8	Surface Area of Impoundment (Acres)
SAFLG	362	362	1	Surface Area Flag (C=Calc., M=Measured, O=Other)
ILNTH	363	367	5	Length of Impoundment (Feet)
ILFLG	368	368	1	Impoundment Length Flag (C=Calc., M=Measured, O=Other)
UPKEY	369	374	6	Update Key (YYMMDD)

The following table provides the ASCII and DBASE III+ database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) attributes. The actual numeric file names will vary depending on the catalog unit(s). This information can be readily incorporated into the park's Geographic Information System.

RF3 Structure File: 12345678.RF3 and 12345678.DBF in CUVARF3.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 CUVARF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
OWNAME	157	186	30	Open Water Name
OWNMCD	187	197	11	Open Water Name Code
DSCU	198	205	8	Downstream CU
DSSEG	206	209	4	Downstream SEG
DSMI	210	214	5.2	Downstream MI
CCU	215	222	8	Complement CU
CSEG	223	226	4	Complement SEG
CMILE	227	231	5.2	Complement MI
CDIR	232	232	1	Complement Direction
ULCU	233	240	8	Upstream Left CU
ULSEG	241	244	4	Upstream Left SEG
ULMI	245	249	5.2	Upstream Left MI
URCU	250	257	8	Upstream Right CU
URSEG	258	261	4	Upstream Right SEG
URMI	262	266	5.2	Upstream Right MI
SEGL	267	272	6.2	Reach Length (Miles)
RFORGFLAG	273	273	1	RF Orgin flag(1,2,3)
ALTPNMCD	274	281	8	Alt. Primary Name Code
ALTOWNMC	282	289	8	Alt. OW Name Code
DLAT	290	297	8.4	Downstream Latitude
DLONG	298	305	8.4	Downstream Longitude
ULAT	306	313	8.4	Upstream Latitude
ULONG	314	321	8.4	Upstream Longitude
MINLAT	322	329	8.4	Minimum Latitude
MINLONG	330	337	8.4	Minimum Longitude
MAXLAT	338	345	8.4	Maximum Latitude
MAXLONG	346	353	8.4	Maximum Longitude
NDLGREC	354	357	4	No. of DLG Records
LL1KEY1	358	367	10	Starting DLG LL Key1

RF3 Structure File: 12345678.RF3 and 12345678.DBF in CUVARF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
LL2KEY1	368	377	10	Ending DLG LL Key1
LL1KEY2	378	387	10	Starting DLG LL Key2
LL2KEY2	388	497	10	Ending DLG LL Key2
LL1KEY3	398	407	10	Starting DLG LL Key3
LL2KEY3	408	417	10	Ending DLG LL Key3
LL1KEY4	418	427	10	Starting DLG LL Key4
LL2KEY4	428	437	10	Ending DLG LL Key4
LL1KEY5	438	447	10	Starting DLG LL Key5
LL2KEY5	448	457	10	Ending DLG LL Key5
LL1KEY6	458	467	10	Starting DLG LL Key6
LL2KEY6	468	477	10	Ending DLG LL Key6
LL1KEY7	478	487	10	Starting DLG LL Key7
LL2KEY7	488	597	10	Ending DLG LL Key7
LL1KEY8	498	507	10	Starting DLG LL Key8
LL2KEY8	508	517	10	Ending DLG LL Key8
LL1KEY9	518	527	10	Starting DLG LL Key9
LL2KEY9	528	537	10	Ending DLG LL Key9
LL1KEY10	538	547	10	Start DLG LL Key 10
LL2KEY10	548	557	10	Ending DLG LL Key10
LN1AT2	558	561	4	DLG Line Attr. 1
LN2AT2	562	565	4	DLG Line Attr. 2
AREA1	566	569	4	DLG Area ID 1
AREA2	570	573	4	DLG Area ID 2
AR1AT2	574	577	4	DLG Area Attribute
AR1AT4	578	581	4	DLG Area Attribute
AR2AT2	582	585	4	DLG Area Attribute
AR2AT4	586	589	4	DLG Area Attribute
UPDATE1	590	595	6	Update Date #1 (mmddyy)
UPDTCD1	596	603	8	Update Type Code #1

RF3 Structure File: 12345678.RF3 and 12345678.DBF in CUVARF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
UPDTSRC1	604	611	8	Update Source #1
UPDATE2	612	617	6	Update Date #2 (mmddyy)
UPDTCD2	618	625	8	Update Type Code#2
UPDTSRC2	626	633	8	Update Source #2
UPDATE3	634	639	6	Update Date #3 (mmddyy)
UPDTCD3	640	647	8	Update Type Code #3
UPDTSRC3	648	655	8	Update Source #3
DIVCU	656	663	8	Divergent CU
DIVSEG	664	667	4	Divergent SEG
DIVMILE	668	672	5.2	Divergent MI
DLGID	673	678	6	DLG Number Special Use For Internal State Codes
FILLER	678	685	7	Filler: Future Use

Note: The structure for the .DBF file varies slightly from the RF3 structure displayed here in that the fields UPDATE1, UPDATE2, and UPDATE3 have a width of 8 and the last two fields, DLGID and FILLER, have been replaced with a field named ID of length 17. This ID field combines the CATUNIT, SEGM, and MI fields.

The following table provides the ASCII database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) traces. The actual numeric file names will vary depending on the catalog unit(s). This file contains the actual hydrographic network and is suitable for conversion into a variety of Geographic Information System formats.

RF3 Trace File: 12345678.TRC in CUVARF3.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 CUVARF3.ZIP
First Line = Catalog Unit Number (8 Characters)
Subsequent Lines:
L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS, ...
Example:
02070010
L=391259,L=0770809,L=391220,L=0770749,L=391147,L=0770715,L=391120,L=0770633,
L=391058,L=0770535,L=391042,L=0770520,L=391016,L=0770427,L=390948,L=0770416,
L=390526,L=0765331,L=390500,L=0765149,L=390456,L=0765139,L=390357,L=0765123,
...
L=390744,L=0771007,L=390826,L=0771022,L=390910,L=0771022,L=390950,L=0771003,
L=391107,L=0770922,
There can be as many as four latitude/longitude pairs per line.

The following table provides the DBASE III+ database field structure of the Water Resources Division's "encyclopedia" file that documents the minimum and maximum parameter values found and the park(s) where they occurred. This file is intended for Water Resources Division internal use, but will be available to anyone upon request after Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks.

Encyclopedia File: WRD File For Internal Use Only				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
PARM	1	5	5	STORET Parameter Code
PARMNAME	6	45	40	Parameter Name
MINVAL	46	61	16.7	Minimum Value
MINVALPARK	62	65	4	Park Unit with Minimum Value
MAXVAL	66	71	16.7	Maximum Value
MAXVALPARK	72	75	4	Park Unit with Maximum Value

Appendix C

STORET Water Quality Control/Edit Checking

The following table provides the high and low values used by STORET since November 1983 for 190 common water quality parameters to screen or error check data. Data entered into STORET prior to November 1983, however, were not subjected to this edit/bounds check. Additionally, data from the USGS WATSTORE system that is loaded into STORET is never subjected to these edit criteria and agencies entering data in STORET can override these edit criteria to enter data values that fall outside a range. As a consequence, all data downloaded from STORET for the purposes of this project were filtered through these edit criteria to document values outside the generally accepted ranges. Decisions were then made on a case-by-case basis to retain or discard obviously incorrect data. Refer to the Water Quality Observations Outside STORET Edit Criteria section of the Interpretive Guide To Water Quality Results chapter for more information on this subject.

STORET Code	STORET Parameter Description	High Value	Low Value
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	37.0	-2.0
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	98.0	31.0
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	52.0	-40.0
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	125.0	-40.0
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE	1990.9	1977.0
00032	CLOUD COVER (PERCENT)	101.0	0.0
00035	WIND VELOCITY (MILES PER HOUR)	85.0	0.0
00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	361.0	0.0
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	15.0	0.0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	1500.0	0.0
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	101.0	0.0
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	500.0	0.0
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	1000.0	0.0
00077	TRANSPARENCY, SECCHI DISC (INCHES)	600.0	0.0
00080	COLOR (PLATINUM-COBALT UNITS)	500.0	0.0
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	500.0	0.0
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	250.0	0.0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	60000.0	1.0
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	60000.0	1.0
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	30.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00300	OXYGEN, DISSOLVED (MG/L)	30.0	0.0
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION%	200.0	0.0
00310	BOD, 5 DAY, 20 DEG C (MG/L)	150.0	0.0
00335	COD, .025N K2CR2O7 (MG/L)	1000.0	0.0
00340	COD, .25N K2CR2O7 (MG/L)	1000.0	0.0
00365	CHLORINE DEMAND, 15 MINUTE (MG/L)	15.0	0.0
00400	PH (STANDARD UNITS)	12.0	0.9
00403	PH, LAB, STANDARD UNITS, (STANDARD UNITS)	12.0	0.9
00405	CARBON DIOXIDE (MG/L AS CO2)	100.0	0.0
00406	PH, FIELD (STANDARD UNITS)	12.0	0.9
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	750.0	0.0
00435	ACIDITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	1000.0	0.0
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	750.0	0.0
00440	BICARBONATE ION (MG/L AS HCO3)	450.0	0.0
00445	CARBONATE ION (MG/L AS CO3)	100.0	0.0
00480	SALINITY - PARTS PER THOUSAND	40.0	0.0
00500	RESIDUE, TOTAL (MG/L)	15000.0	0.0
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10000.0	0.0
00510	RESIDUE, TOTAL FIXED (MG/L)	10000.0	0.0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), (MG/L)	20000.0	0.0
00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	10000.0	0.0
00525	RESIDUE, FIXED FILTRABLE (MG/L)	10000.0	0.0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10000.0	0.0
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10000.0	0.0
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10000.0	0.0
00545	RESIDUE, SETTLEABLE (ML/L)	1000.0	0.0
00546	RESIDUE, SETTLEABLE (MG/L)	1000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC., (MG/L)	250.0	0.0
00600	NITROGEN, TOTAL (MG/L AS N)	100.0	0.0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	15.0	0.0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	25.0	0.0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	20.0	0.0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	5.0	0.0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	50.0	0.0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	50.0	0.0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	55.0	0.0
00635	NITROGEN, AMMONIA & ORG., TOTAL 1 DET (MG/L AS N)	70.0	0.0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	30.0	0.0
00653	PHOSPHATE, TOTAL SOLUBLE (MG/L)	30.0	0.0
00655	PHOSPHATE, POLY (MG/L AS PO4)	30.0	0.0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	30.0	0.0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10.0	0.0
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10.0	0.0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	100.0	0.0
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	100.0	0.0
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	100.0	0.0
00690	CARBON, TOTAL (MG/L AS C)	150.0	0.0
00720	CYANIDE, TOTAL (MG/L AS CN)	10.0	0.0
00745	SULFIDE, TOTAL (MG/L AS S)	1500.0	0.0
00746	SULFIDE, DISSOLVED (MG/L AS S)	1500.0	0.0
00760	SULFITE WASTE LIQUOR, PEARL BENSON INDEX (MG/L)	150.0	0.0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	5000.0	0.0
00910	CALCIUM (MG/L AS CACO3)	3000.0	0.0
00915	CALCIUM, DISSOLVED (MG/L AS CA)	1000.0	0.0
00916	CALCIUM, TOTAL (MG/L AS CA)	1000.0	0.0
00920	MAGNESIUM (MG/L AS CACO3)	3000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	1000.0	0.0
00927	MAGNESIUM, TOTAL (MG/L AS MG)	1000.0	0.0
00929	SODIUM, TOTAL (MG/L AS NA)	5000.0	0.0
00930	SODIUM, DISSOLVED (MG/L AS NA)	5000.0	0.0
00931	SODIUM ADSORPTION RATIO	50.0	0.0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	175.0	0.0
00937	POTASSIUM, TOTAL MG/L AS K)	175.0	0.0
00940	CHLORIDE, TOTAL IN WATER, (MG/L)	22000.0	0.0
00945	SULFATE, TOTAL (MG/L AS SO4)	2500.0	0.0
00946	SULFATE, DISSOLVED (MG/L AS SO4)	2500.0	0.0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	15.0	0.0
00951	FLUORIDE, TOTAL (MG/L AS F)	15.0	0.0
00955	SILICA, DISSOLVED (MG/L AS SI02)	2000.0	0.0
00956	SILICA, TOTAL (MG/L AS SI02)	2000.0	0.0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	5000.0	0.0
01002	ARSENIC, TOTAL (UG/L AS AS)	5000.0	0.0
01005	BARIUM, DISSOLVED (UG/L AS BA)	2000.0	0.0
01007	BARIUM, TOTAL (UG/L AS BA)	2000.0	0.0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	2000.0	0.0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	2000.0	0.0
01020	BORON, DISSOLVED (UG/L AS B)	5000.0	0.0
01022	BORON, TOTAL (UG/L AS B)	5000.0	0.0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	500.0	0.0
01027	CADMIUM, TOTAL (UG/L AS CD)	500.0	0.0
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	2000.0	0.0
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	2000.0	0.0
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	2000.0	0.0
01034	CHROMIUM, TOTAL (UG/L AS CR)	2000.0	0.0
01040	COPPER, DISSOLVED (UG/L AS CU)	2000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
01042	COPPER, TOTAL (UG/L AS CU)	5000.0	0.0
01045	IRON, TOTAL (UG/L AS FE)	56000.0	0.0
01046	IRON, DISSOLVED (UG/L AS FE)	56000.0	0.0
01047	IRON, FERROUS (UG/L AS FE)	56000.0	0.0
01049	LEAD, DISSOLVED (UG/L AS PB)	1000.0	0.0
01051	LEAD, TOTAL (UG/L AS PB)	1000.0	0.0
01055	MANGANESE, TOTAL (UG/L AS MN)	5000.0	0.0
01056	MANGANESE, DISSOLVED (UG/L AS MN)	5000.0	0.0
01065	NICKEL, DISSOLVED (UG/L AS NI)	2000.0	0.0
01067	NICKEL, TOTAL (UG/L AS NI)	2000.0	0.0
01075	SILVER, DISSOLVED (UG/L AS AG)	5000.0	0.0
01077	SILVER, TOTAL (UG/L AS AG)	5000.0	0.0
01090	ZINC, DISSOLVED (UG/L AS ZN)	25000.0	0.0
01092	ZINC, TOTAL (UG/L AS ZN)	25000.0	0.0
01105	ALUMINUM, TOTAL (UG/L AS AL)	20000.0	0.0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	20000.0	0.0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	100.0	0.0
01501	ALPHA, TOTAL	200.0	0.0
01503	ALPHA, DISSOLVED	75.0	0.0
01505	ALPHA, SUSPENDED	150.0	0.0
03501	BETA, TOTAL	3500.0	0.0
03503	BETA, DISSOLVED	3000.0	0.0
03505	BETA, SUSPENDED	1500.0	0.0
09503	RADIUM 226, DISSOLVED	500.0	0.0
13501	STRONTIUM 90, TOTAL	500.0	0.0
22703	URANIUM, NATURAL, DISSOLVED	500.0	0.0
31501	COLIFORM, TOT,MEMBRANE FILTER,IMMED.M-ENDO MED, 35C	24000000.0	0.0
31502	COLIFORM, TOTAL, 10/ML	24000000.0	0.0
31503	COLIFORM, TOT,MEMBR FILTER, DELAYED,M-ENDO MED, 35C	24000000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
31504	COLIFORM, TOT,MEMBR FILTER,IMMED,LES ENDO AGAR, 35C	24000000.0	0.0
31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR,44.5C, 24HR	10000000.0	0.0
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	10000000.0	0.0
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH, 44.5C	10000000.0	0.0
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48HR	500000.0	0.0
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	500000.0	0.0
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	500000.0	0.0
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR,35C,48H	500000.0	0.0
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	99999999.0	0.0
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	99999999.0	0.0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	500.0	0.0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	750.0	0.0
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	1000.0	0.0
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	200.0	0.0
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	500.0	0.0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	200.0	0.0
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	2.0	0.0
32221	CHLOROPHYLL A,% OF(PHEOPHYTIN A+CHL A),SPEC-ACID.	101.0	0.0
32230	CHLOROPHYLL A (MG/L)	0.5	0.0
32231	CHLOROPHYLL B (MG/L)	0.8	0.0
32232	CHLOROPHYLL C (MG/L)	0.2	0.0
32234	CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	1.0	0.0
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	5.0	0.0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	1500.0	0.0
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10.0	0.0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39340	GAMMA-BHC(LINDANE),WHOLE WATER, (UG/L)	20.0	0.0
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER, (UG/L)	20.0	0.0
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	5.0	0.0
60050	ALGAE, TOTAL (CELLS/ML)	700000.0	0.0
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	4000.0	0.0
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10.0	0.0
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10.0	0.0
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	65.0	0.0
71886	PHOSPHORUS, TOTAL, AS PO4 - (MG/L)	30.0	0.0
71890	MERCURY, DISSOLVED (UG/L AS HG)	10.0	0.0
71895	MERCURY, SUSPENDED (UG/L AS HG)	10.0	0.0
71900	MERCURY, TOTAL (UG/L AS HG)	10.0	0.0
74010	IRON, TOTAL (MG/L AS FE)	56000.0	0.0

Appendix D

STORET Administrative Parameters

STORET Code	Description of STORET Administrative Parameters
00022	LENGTH OF EXPOSURE OF SAMPLE OR TEST - DAYS
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00073	SAMPLE LOC CODE DEFINED BY THERMAL STRUCT & DEPTH
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
00116	INTENSIVE SURVEY IDENTIFICATION NUMBER
00145	TOTAL PRODUCTION OF PRODUCT MANUFACTURED TONS/DAY
01273	TOTAL ACID PRIORITY POLLUTANTS MG/L
01274	TOTAL BASE-NEUTRAL PRIORITY POLLUTANTS MG/L
01275	TOTAL VOLATILE PRIORITY POLLUTANTS MG/L
01365	ANALYSIS DATE (DIOXIN) (YYMMDD)
04177	SAMPLE STABILIZATION, RECOVERY TEST CODE
04178	FIELD PROTOCOL(CONFDNCE ASSIGNED FIELD SAMPLE) CODE
04179	SAMPLE STATION LOCKED CODE
04180	CONDITION OF STATION SITE CODE
04181	LABORATORY QA/QC PLAN CONFIDENCE CODE
04182	SAMPLE TYPE CODE
04183	SAMPLE REMARKS CODE
30333	BAG MESH SIZE, BEDLOAD SAMPLER, MM
34772	NPDES NUMBER, CROSS REFERENCE CODE
34785	GAGE TYPE, METHOD CODE

STORET Code	Description of STORET Administrative Parameters
45575	GC MAKE AND MODEL INFORMATION CODE
45576	GC DETECTOR TYPE CODE
45577	GC COLUMN TYPE CODE
45580	METHOD OF ANALYSIS CODE
45581	LABORATORY LOCATION CODE
46107	SAMPLE LOCATION CODE (TREATMENT PLANT OPERATION)
46390	TOXICITY CHARACTERISTIC LEACHING PROCEDURE P OR F
46396	PROCESS TO SIGNIFICANTLY REDUCE PATHOGENS YES OR NO
46397	PROCESS TO FURTHER REDUCE PATHOGENS YES OR NO
47001	PERMIT EXPIRATION DATE (JULIAN CALENDAR)
47044	OBSERVATIONS,WASTE SITE-SEVERITY OF PROBLEMS CODE
47460	SUBSAMPLE - DECIMAL FRACTION OF WHOLE NUMBER
47477	COMPOSITION AND/OR DISPOSITION OF CATCH NUM CODE
70231	CURRENT DIRECTION (DEGREES FROM DOWNSTREAM FLOW)
71999	SAMPLE PURPOSE CODE
72032	NUMBER OF SPILLWAY GATES OPEN
73672	DATE OF ANALYSIS YYMMDD
73673	DATE OF EXTRACTION YYMMDD
74031	GRANT, PROJECT COST ELIGIBLE FOR CONSTRUCTION
74032	GRANT, AMOUNT OF PL 660 GRANT FOR THIS PROJECT
74033	GRANT, FEDERAL, OTHER THAN PL 660 GRANT
74034	GRANT, FUTURE PL 660 WHICH MAY APPLY TO THIS PROJ
74035	GRANT, TOTAL FEDERAL, WHICH APPLIES TO THIS PROJ
74036	GRANT, PROJ NUMBER ASSIGNED TO THIS APPLICATION
74037	GRANT, TYPE OF PROJECT TO WHICH GRANT APPLIES
74038	GRANT, STATUS OF PROJECT TO WHICH GRANT APPLIES
74039	PCS/STORET WATER QUALITY FILE INTERFACE YR/MO/DAY
74040	SURVEY NUMBER YYMMNO
74041	STORET STORAGE TRANSACTION DATE YR/MO/DAY

STORET Code	Description of STORET Administrative Parameters
74050	RADIOACTIVITY, GENERAL (PERMIT)
74051	ALGICIDES, GENERAL (PERMIT)
74052	CHLORINATED HYDROCARBONS, GENERAL (PERMIT)
74053	PESTICIDES, GENERAL (PERMIT)
74056	COLIFORM, TOTAL, GENERAL (PERMIT)
74065	STREAM FLOW CLASS
74066	ANNUAL RUNOFF
74067	SOIL CLASSIFICATION
74068	WATER QUALITY DESIGNATED USE CLASSIFICATION (IA)
74100	PRIMARY 1972 SIC CODE
74101	SECONDARY 1972 SIC CODE
74102	SECONDARY 1972 SIC CODE
74103	SECONDARY 1972 SIC CODE
74200	SAMPLE PRESERVATION METHODS ONE OR MORE IN COMB.
74205	LAND RESOURCE AREA (IOWA)
74206	SOIL EROSION POTENTIAL (IOWA)
74209	WATER QUALITY INDEX - STATE OF ILLINOIS, EPA
74210	FOREST STREAM WATER QUALITY INDEX CALC. NUMBER
74990	FISH SPECIES NUMERIC CODE - F&W SERVICE
74995	ANATOMY CODE
75000	SPECIES CODE-REMARK=SEX (M=MALE,F=FEMALE,U=UNK.)
81028	WITHDRAWAL OF GROUNDWATER (MILLION GAL/DAY)
82258	WATER CLASSIFICATION CODE (1-9) CODE
82292	DATA RELAY GROUND STATION SOURCE NODE CODE, CODE
82309	CONTAMINATION SOURCE POSSIBLE CODES NUMERIC CODE
82310	DEPTH CONFIDENCE IN REPORTED VALUES NUMERIC CODES
82373	FREQUENCY OF SAMPLING M=MON,Q=QUAR,Y=YR,R=RNFFCODE
82519	DRILLER REGISTRATION NUMBER ALPHA-NUMERIC CODE
82562	NARRATIVE REQUIREMENT EXCEEDANCES INTEGER

STORET Code	Description of STORET Administrative Parameters
82576	DAILY EXCURSION TIME, WATER MIN
82577	MONTHLY EXCURSION TIME, WATER TOTAL MIN
82578	DAY/MAXIMUM EXCURSION TIME, WATER MIN
82579	CODE NUMBER FOR PERSON COLLECTING SAMPLE
84002	CODE, GENERAL INFORMATION - ALPHA, NUMERIC CODE
84003	WATER SHED ID NUMBER (IOWA)
84005	FISH SPECIES CODE-FISH & WILDLIFE SER
84006	OWNERSHIP CLASSIFICATION OF LAKE, ILLINOIS SYSTEM
84010	PUBLIC ACCESS TO LAKE ILLINOIS SYSTEM
84011	CONFIDENCE CODE FOR GLC CONFIRMATION CODE
84012	PATIENT PARAMETERS (AGE, SEX, WT, ETC.) CODE
84013	SAMPLE PARAMETERS D=DESIGN SPECIMEN, S=SURPLUS
84027	CODE NUMBER FOR AGENCY COLLECTING SAMPLE
84028	CODE NO FOR AGENCY ANALYZING SAMPLE
84029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE FIELD
84033	EGD ANALYTICAL DATA COMPLETENESS Y=YES N=NO CODE
84034	EGD SMPL NO.(SMPL.IDENT) NUMERIC=SCS ALPH+4NUM=JRB
84035	EGD SAMPLE CLASSIFICATION CATEGORY ALPHA CODE
84036	EGD INDUSTRIAL CATEGORY NUMERIC CODE
84037	EGD INDUSTRIAL CATEGORY NAME ALPHA CODE
84038	EGD LABORATORY NUMERIC CODE
84039	EGD LABORATORY NAME ALPHA CODE
84040	EGD SAMPLE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84041	EGD ACID STATUS (1-5,9,AND BLANK) NUMERIC CODE
84042	EGD BASE STATUS (1-5,9AND BLANK) NUMERIC CODE
84043	EGD PESTICIDE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84044	EGD VOA FRACT. STATUS INDICATOR (1-5,9,BLANK) CODE
84045	EGD ACID EXTRACT DATE (YYMMDD) NUMERIC CODE
84046	EGD BASE EXTRACTION DATE (YYMMDD) NUMERIC CODE

STORET Code	Description of STORET Administrative Parameters
84047	EGD PESTICIDE EXTRACTION DATE (YYMMDD) NUMERIC CODE
84048	EGD VOA FRACTION INJECTION DATE YYMMDD NUMERIC CODE
84049	EGD ACID CONC. FACTOR (FIVE NUMERIC DIGITS) CODE
84050	EGD BASE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84051	EGD PESTICIDE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84052	EGD VOA FRACTION CONC. FACTOR (5 NUMERIC DIGITS) CODE
84053	SAMPLE TYPE AND FREQUENCY OF COLLECTION CODE
84054	LITHOLOGY ALPHA-NUMERIC CODE
84055	AVAILABLE LOGS ALPHA-NUMERIC CODE
84056	WATER USE CATEGORY ALPHA-NUMERIC CODE
84057	INSPECTION TYPE ALPHA-NUMERIC CODE
84058	HYDROGEOLOGIC SYSTEM ALPHA-NUMERIC CODE
84059	WELL OWNERSHIP ALPHA-NUMERIC CODE
84060	TOPOGRAPHY ALPHA-NUMERIC CODE
84061	WELL USE ALPHA-NUMERIC CODE
84062	MEASURING POINT DESCRIPTION ALPHA-NUMERIC CODE
84063	DRILLING METHOD ALPHA-NUMERIC CODE
84064	WELL DATA AVAILABILITY ALPHA-NUMERIC CODE
84065	PERMIT COMPLIANCE DATA ALPHA-NUMERIC CODE
84067	NATURE OF MONITORING ALPHA-NUMERIC CODE
84073	REPLACES EXISTING WELL ALPHA-NUMERIC CODE
84074	AQUIFER TYPE (SEE USGS HANDBOOK) ALPHA CODE
84075	WELL PERMIT NUMBER ALPHA-NUMERIC CODE
84076	TSD MONITORING WELL TYPE ALPHA CODE
84077	TSD MONITORING WELL SAMPLING METHOD ALPHA CODE
84083	POLLUTION VERIFICATION ALPHA CODE
84084	WELL SAMPLE PURPOSE ALPHA CODE
84090	SAMPLE FILE CONTROL PROJECT IDENTIFICATION A-CODE
84091	INFILTRATION DATE/BEGINNING 'YYMMDD'

STORET Code	Description of STORET Administrative Parameters
84092	INFILTRATION DATE/ENDING 'YYMMDD'
84093	ENFORCEMENT FORM #2-C,DATA IDENTIFICATION CODE
84102	SAMPLE SPECIES-SUB ID ALPHA CODE
84103	DIOXIN LABORATORY ALPHA CODE
84104	DIOXIN STUDY ALPHA CODE
84112	SOURCE OF GEOHYDROLOGIC DATA CODE
84119	SOURCE OF EVACUATION DATA CODE
84121	REGULATING AGENCY CODE
84122	SAMPLE PURPOSE CODE
84126	SOURCE OF DEPTH DATA CODE
84127	METHOD OF DEPTH MEASUREMENT CODE
84128	SOURCE OF WATER-LEVEL DATA CODE
84129	DATA QUALITY
84141	LAKE, PHYSICAL CONDITION AT SAMPLE TIME, 1-5, CODE
84142	LAKE,RECREATIONAL SUITABILITY @ SMPL TIME,1-5, CODE
84164	SAMPLER TYPE, CODE
85300	PROBLEM CODE NES SURVEY
85327	WATER LEVEL AT SAMPLE COLLECTION TIME-CODE-NES
85332	CLOUD COVER AT SAMPLE COLLECTION TIME-CODE-NES
85553	WELL COMPLETION DATE (MONTH/YEAR)
85554	WELL WORKOVER DATE, LATEST (MONTH/YEAR)

Appendix E

STORET Parameters Not Suitable for Statistical Analysis

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00001	X-SEC. LOC., HORIZ (FT. FROM R BANK LOOK UPSTR.)
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)
00006	DISTANCE FROM LOCATION IN X MILES
00007	DISTANCE FROM LOCATION IN Y MILES
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00009	X-SEC. LOC.(FT FROM LEFT BANK LOOKING DOWNSTRM)
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00033	WEATHER CODE FOR OCEAN-OBSERV. (WMO CODE 4677)
00037	WIND FORCE (BEAUFORT UNITS)
00038	WIND DIRECTION (WMO CODES 0885 + 0887)
00041	WEATHER (WMO CODE 4501)
00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL
00043	CLOUD TYPE (WMO CODE 0500)
00044	CLOUD AMOUNT (WMO CODE 2700)
00047	TOTAL PARTIAL PRESSURE DISSOLVED GASES (MM HG)
00048	TOTAL PARTIAL PRESSURE DISSOLVED GASES (% SAT)
00049	SURFACE AREA IN SQUARE MILES
00050	EVAPORATION, TOTAL (INCHES PER DAY)
00051	SURFACE AREA IN SQUARE FEET
00053	SURFACE AREA, ACRES
00054	RESERVOIR STORAGE - ACRE FEET
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00067	TIDE STAGE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00069	SEA WAVES(0=NONE;1=0-3";2=4-20";3=21-48";4=4-8')
00097	SAMPLING STATION LOCATION, VERTICAL (FEET)
00098	SAMPLING STATION LOCATION, VERTICAL (METERS)
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
01300	OIL-GREASE (SEVERITY)
01305	DETERGENT SUDS (SEVERITY)
01310	GAS BUBBLES (SEVERITY)
01315	SLUDGE, FLOATING (SEVERITY)
01320	GARBAGE, FLOATING (SEVERITY)
01325	ALGAE, FLOATING MATS (SEVERITY)
01330	ODOR, ATMOSPHERIC (SEVERITY)
01331	TASTE (SEVERITY)
01335	SEWAGE SOLIDS, FRESH, FLOATING (SEVERITY)
01340	FISH, DEAD (SEVERITY)
01345	DEBRIS, FLOATING (SEVERITY)
01350	TURBIDITY (SEVERITY)
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)
03595	BIOASSAY (96 HR), EFFLUENT, TOTAL CODE
03596	BIOASSAY (48 HR), EFFLUENT, TOTAL CODE
03597	BIOASSAY (24 HR), EFFLUENT, TOTAL CODE
03598	TOXICITY, EFFLUENT, TOTAL CODE
03599	TOXICITY, CHOICE OF SPECIES, EFFLUENT CODE
03600	TOXICITY, TROUT, EFFLUENT, TOTAL CODE
03601	TOXICITY, SAND DOLLAR, EFFLUENT CODE
03602	BIOCHEMICAL OXYGEN DEMAND, EFFLUENT, TOTAL CODE
03603	SOLIDS, TOTAL SUSPENDABLE, EFFLUENT, TOTAL CODE
03605	FLOW METER CALIBRATION, WATER CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
03717	ONCORHYNCHUS MYKISS, WATER CODE
04117	TETHER LINE USED FOR COLLECTING SAMPLE CODE
04160	HALOCARBONS, PURGEABLE, SCAN, EFFLUENT CODE
04161	HALOCARBONS, PURGEABLE, SCAN, SLUDGE CODE
04162	AROMATIC, PURGEABLE, SCAN, EFFLUENT CODE
04163	AROMATIC, PURGEABLE, SCAN, SLUDGE CODE
04164	PHENOLIC, TOTAL, SCAN, EFFLUENT CODE
04165	PHENOLIC, TOTAL, SCAN, SLUDGE CODE
04166	PCB, TOTAL, SCAN, EFFLUENT CODE
04167	PCB, TOTAL, SCAN, SLUDGE CODE
04174	FREE LIQUIDS IN SEWAGE SLUDGE CODE
34765	AVIAN NUMERICAL SPECIES CODE (BIRDS)
34766	MAMMALIAN NUMERICAL SPECIES CODE
34771	MACROPHYTE, INSTREAM, VISUAL SIGHTING CODE
34773	ODOR, AMBIENT WATER CODE
34774	FISH, INSTREAM, VISUAL SIGHTING CODE
34775	STREAMBANK CHANNEL ALTERATIONS CODE
34776	HYDRAULIC STRUCTURES, INSTREAM CODE
34780	LAND USE, ADJACENT STREAM CODE
34781	SAMPLE POINTS, # OF LONGTDNL TRANSECTS, REACH CODE
34782	STREAM STAGE TREND CODE
34789	HABITATS, TYPES SAMPLED CODE
45613	FLOATING SOLIDS/VISIBLE FOAM, VISUAL, YES=1, NO=0, CODE
45614	SANITARY WASTE DISCHARGE ASSESSMENT, YES=1, NO=0, CODE
45615	INTERMITTENT DISCHARGE ASSESSMENT, YES=1, NO=0,CODE
46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)
46478	EQUIPMENT INSPECTION, VISUAL CODE
46486	TOXICITY,ACUTE 24HR(STATIC)CERIODAPHNIA (P/F) CODE
47454	FLOW METER REVOLUTIONS NUMBER

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
47455	LATITUDE, STARTING, OF A SAMPLE TOW DDMMSS
47456	LONGITUDE, STARTING, OF A SAMPLE TOW DDDMMSS
47457	LATITUDE, FINISHING, OF A SAMPLE TOW DDMMSS
47458	LONGITUDE, FINISHING, OF A SAMPLE TOW DDDMMSS
47459	LENGTH FREQUENCY NUMBER
47461	TIME THAT THE EQUIPMENT WAS SAMPLING MINUTES
47476	DIRECTION OF TOW IN RELATION TO CURRENT NUM CODE
50044	HYDROGRAPH LIMB, 1BASE, 2RISING, 3PEAK, 4FALLING, CODE
61390	DIATOMS,FIRST DOMINANT SPECIES OF UNITS - CODE
61391	DIATOMS,SECOND DOMINANT SPECIES OF UNITS - CODE
61392	DIATOMS,THIRD DOMINANT SPECIES OF UNITS - CODE
61393	DIATOMS,FOURTH DOMINANT SPECIES OF UNITS - CODE
70220	WAVE DIRECTION (WMO CODES 0885 + 0887)
70222	WAVE HEIGHT (WMO CODE 1555)
70223	WAVE PERIOD (WMO CODE 3155)
71090	BIVALVE SPECIES CODE
71500	EQUITABILITY INDEX,BENTHIC MACROINVER CODE
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)
72001	DEPTH, TOTAL OF HOLE (FT BELOW LAND SURFACE DATUM)
72002	DEPTH TO TOP OF WATER-BEARING ZONE SAMPLED (FT)
72003	DEPTH TO BOTTOM OF WATER-BEARING ZONE SAMPLED (FT)
72004	PUMP OR FLOW PERIOD PRIOR TO SAMPLING MINUTES
72005	SAMPLE SOURCE CODE (BM WELL DATA)
72006	SAMPLING CONDITION CODE (BM WELL DATA)
72007	FORMATION NAME CODE (BM WELL DATA)
72017	SERIES CODE (BM WELL DATA)
72018	SYSTEM CODE (BM WELL DATA)
72111	DIRECT READOUT GROUND STATN TRANSMIT EROR CODE NUM
74054	FECAL STREPTOCOCCI, GENERAL (PERMIT)

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
74055	FECAL COLIFORM, GENERAL (PERMIT)
80889	ACTIVATED SLUDGE PROCESS MODIFICATION CODE
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)
81637	SHELLFISH SPECIES NUMERIC CODE
82289	LAGOON OBSERVATION, VISUAL, Y=YES N=NO CODE
82398	SAMPLING METHOD (CODES)
82524	STORAGE COEFFICIENT NUMERICAL CODE
82923	ATMOSPHERIC DEPOSITION TYPE, WET CODE
83205	ATMOSPHERIC DEPOSITION TYPE, BULK CODE
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)
84001	AQUIFER NAME CODE (SEE USGS CATALOG)
84004	LAKE TYPE ILLINOIS CLASSIFICATION SYSTEM
84007	ANATOMY ALPHA CODE
84008	LIFE STYLE/HABITAT OF THE INDIVIDUALS IN THE SAMPLE
84009	SHELLFISH SPECIES ALPHANUMERIC CODE
84014	SPECIES SEX CODE
84030	CLOUD AMOUNT ALPHA WEATHER CODES
84031	PHYSICAL WEATHER ALPHA WEATHER CODES
84032	STREAM CONDITION ALPHA WEATHER CODES
84066	OIL AND GREASE, VISUAL, ALPHA-NUMERIC CODE
84068	SERIES CODE ALPHA-NUMERIC CODE
84069	FORMATION CODE ALPHA-NUMERIC CODE
84070	METHOD OF TESTING WELL YIELD ALPHA-NUMERIC CODE
84071	WATER LEVEL MEASUREMENT CONDITIONS ALPHA-NUM CODE
84072	WATER LEVEL MEASUREMENT METHOD ALPHA-NUMERIC CODE
84078	GIARDIA LAMBLIA, 2HSO4 OR SUC GRAD, MICRO, CODE
84079	BACTERIA, CELLUOLYTIC, AEROBIC-ANAEROBIC, RT 5-7, CODE
84080	BACTERIA, HYDROCARBONOCLASTIC, SHAKE INC 32C/WK, CODE
84081	YERSINIA ENTEROCOLITICA, SB BROTH, MAC AGAR,22C, CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84082	SALMONELLA/SHIGELLA, QUANT OR QUAL, HVF OR SWAB, CODE
84085	ORGANICS, VOLATILE, DETECTED, NUMERIC CODE, CODE
84086	MACROINVERTEBRATE SPECIES NUMERIC CODE
84087	MACROINVERTEBRATE HABITAT CODE
84088	BIOLOGY 1 MACROINVERTEBRATE CODE
84089	BIOLOGY 2 MACROINVERTEBRATE CODE
84094	PHYTOPLANKTON SPECIES CODE, NUMERIC
84095	PHYTOPLANKTON SPECIES CODE, ALPHA
84096	SEVERITY OF NON-PLANKTON ALGAE-MAT COVERAGE CODE
84097	LAGOON MOUTH CONDITION CODE
84098	COLOR OF NON-PLANKTONIC ALGAE CODE
84099	WATER - RELATIVE WATER LEVEL CODE
84100	SEX(1-MALE,2-FEMALE,3-MIXED,4-UNKNOWN) NUM CODE
84101	METAFORM, BENTHIC, ADULT(A), PUPAE(P), LARVAE(L) CODE
84105	OIL-SEPARATOR OBSERVATION ASSESS (0=DID NOT,1=DID)
84106	EVAPORAT/BED OBS ASSESS (0=DID NOT LOOK, 1=DID LOOK)
84107	AREA INSPECTION, VISUAL (0=DID NOT, 1=DID) CODE
84108	DRAIN FIELD INSPECTION ASSESS (0=DID NOT, 1=DID) CODE
84109	SLUDGE BUILD-UP IN WATER (0=DID NOT OBS, 1=OBS) CODE
84110	POND OBSERVATION ASSESS WATER (0=DID NOT, 1=DID) CODE
84111	LITHOLOGIC MODIFIER CODE
84113	WELL INTAKE FINISH CODE
84114	WELL CASING MATERIAL CODE
84115	TYPE OF MATERIAL FROM WHICH OPENING IS MADE CODE
84116	DRILLING FLUID CODE
84117	TYPE OF SURFACE SEAL CODE
84118	METHOD OF DEVELOPMENT CODE
84120	PACKING MATERIAL CODE
84124	METHOD OF EVACUTAION CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84125	METHOD OF WATER-LEVEL MEASUREMENT CODE
84130	OUTFALL OBSERVATION, VISUAL, Y=YES N=NO CODE
84131	SAMPLING METHOD, CONFIDENCE CODE (A,B,C,D) CODE
84132	STREAMBANK, VEGETATIVE STABILITY RATING CODE
84133	STREAMBANK, STABILITY (BANK EROSION) RATING CODE
84134	PARTICLES, DEGREE SURROUNDED BY FINE SEDIMENT, CODE
84135	STREAMSIDE, (SHORELINE) COVER RATING CODE
84136	CANOPY TYPE CODE
84137	CHANNEL STABILITY RATING CODE (E,G,F,P) CODE
84138	COLIFORM, TOTAL, WATER, WHOLE, MPN, PRES=1, ABSNT=2, CODE
84139	ENTEROBACTER AGGLOMERANS, WTR, MF, PRES=1, ABSNT=2, CODE
84140	KLEBSIELLA PNEUMONIAE, WTR, WH, MF, PRES=1, ABSNT=2, CODE
84143	WELL, PURGING CONDITION CODE
84144	WELL, SELECTION CRITERIA CODE
84145	PROJECT COMPONENT CODE
84146	LAND USE, PREDOMINANT, WITHIN 100 FT OF WELL, CODE
84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE
84148	LAND USE, PREDMNT., FRAC., WITHIN 1/4 MI OF WELL, CODE
84149	LAND USE, CHANGE, LAST 10 YRS, WITHIN 1/4MI WELL, CODE
84150	HABITAT QUALITY INDEX RATING CODE
84151	AQUATIC LIFE, USE CLASSES CODE
84152	STREAM, STAGE CLASS CODE
84153	STREAMBANKS, GRAZING DAMAGE CODE
84154	CHANNEL, MAJOR ALTERATIONS CODE
84155	RIFFLE/RUNS, OCCURRENCE CODE
84156	POOL, DESCRIPTION CODE
84157	SANDBARS, LARGE, OCCURRENCE CODE
84158	LAND USE, NEAR STREAM, PREDOMINANT CODE
84159	STREAM,COVER (INSTREAM SHELTER FOR ADULT FISH), CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84160	STREAM, DEGRADATION RATING CODE
84161	STREAM, ORDER CODE
84162	LAND RESOURCE AREA CODE
84163	FLOW, STREAM, CLASSIFICATION CODE
84165	DISCHARGE EVENT OBSERVATION, YES=1 NO=0, CODE
84166	STORM HYDROGRAPH, DIRECTION, (RISE,FALL), CODE
84167	MICROSCOPIC EXAMINATION CODE
84168	AVIAN SPECIES ALPHA CODE (BIRDS)
84169	MAMMALIAN ALPHA SPECIES CODE
84170	ALPHA AGE TEXT CODE
84200	LATITUDE/LONGITUDE COORDINATES OF WELL, METHOD CODE
84201	NATIONAL REFERENCE DATUM, ALTITUDE(VERTICAL) CODE
84202	ALTITUDE METHOD CODE
85000	STREAM MILE, ACTUAL MILES
85014	HABITAT, 1970 ACRES THIS TYPE FOR THIS STATION
85015	HAB., ESTIMATED ACRES THIS TYPE THIS STATION
85016	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 1990
85017	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 2000
85018	TYPE CODES: 1=CLEAR CUT/2=SELECT CUT/3=RNGE DEVLP
85019	ACRES, NO. ALTERED FROM 1965-1970 (0-5 YEARS OLD)
85020	ACRES, NO. ALTERED 1960-1965 (5-10 YEARS OLD)
85021	ACRES, NO. ALTERED 1955-1960 (10-15 YEARS OLD)
85022	ACRES, NO. ALTERED 1950-1955 (15-20 YEARS OLD)
85023	ACRES, NO. ALTERED BEFORE 1950 (20+ YEARS OLD)
85024	ACRES,PREDICTED YRLY.AVE.TO BE ALTERED IN FUTURE
85025	LANDOWNERS, CODES FOR ALL IN STATE OF OREGON
85026	ACRES, CURRENT OWNED THIS LANDOWNER THIS STATION
85027	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1980
85028	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1990

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85029	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 2000
85030	LAND USES, CODES FOR ALL IN STATE OF OREGON
85031	ACRES, CURRENT DEDICATED TO THIS USE THIS STATION
85032	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1980
85033	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1990
85034	ACRES, ESTM. DEDICTD TO THIS USE BY YR.2000 --STA.
85035	HAB., INDICATED ANIMAL USES THIS TYPE IN WINTER
85036	HAB., INDICATED ANIMAL USES THIS TYPE IN SPRING
85037	HAB., INDICATED ANIMAL USES THIS TYPE IN SUMMER
85038	HAB., INDICATED ANIMAL USES THIS TYPE IN FALL
85039	HAB., INDICATED ANML USES THIS TYPE FOR WINTERING
85040	HAB., INDICATED ANML USES THIS TYPE FOR FEEDING
85041	HAB., INDICATED ANML USES TYPE FOR REARING YOUNG
85042	HAB., INDICATED BIRD USES THIS TYPE FOR NESTING
85043	HAB., INDICATED ANML USES THIS TYPE FOR SHELTER
85044	HAB., INDICATED ANML USES THIS TYPE FOR REST AREA
85045	ANML, SHOWS PRESENCE/ABSNC OF COMMENTS ON THIS ANML
85046	HAB.,ACRES OCCUPIED BY THIS ANML THIS UNIT & CO.
85050	ANIMALS ARE NOT PRESENT THIS STATION
85051	ANIMALS, ONLY A FEW ARE PRESENT THIS STATION
85052	ANIMALS COMMONLY SEEN; USE MODERATE THIS STATION
85053	ANIMALS FREQUENTLY SEEN; USE HEAVY THIS STATION
85070	OWNERSHIP (.1) AND ACCESS (.2) BY YEAR
85071	PRIVATE OWNERSHIP AND ACCESS MILEAGE
85072	FEDERAL OWNERSHIP AND ACCESS MILEAGE
85073	STATE OWNERSHIP AND ACCESS MILEAGE
85074	COUNTY OWNERSHIP AND ACCESS MILEAGE
85075	CITY OWNERSHIP AND ACCESS MILEAGE
85076	WATER YEAR DATA REFERS TO

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85077	CALENDAR YEAR DATA REFERS TO
85088	MONTHS POLLUTION IS A PROBLEM JAN THRU JUNE
85089	MONTHS POLLUTION IS A PROBLEM JULY TO DECEMBER
85090	MAN-CAUSED CHANNEL CHANGE IN MILES
85091	STREAM BANK HABITAT DESTROYED IN MILES
85092	STREAMBED SILTED IN MILES
85093	TURBIDITY PROBLEM IN MILES
85094	SEVERITY: 1=ELIMINATES 2=INTERFERES 3=NO PROBLEM
85095	DURATION OF TURBIDITY PROBLEM IN MONTHS
85096	SEASON OF NATURAL DRY CHANNEL 1=SP 2=SU 3=F 4=W
85097	NATURAL DRY CHANNEL IN MILES
85098	MAN-CAUSED DRY CHANNEL SEASON 1=SP 2=SU 3=F 4=W
85099	MAN-CAUSED DRY CHANNEL IN MILES
85100	YEAR BARRIER IS PRESENT
85101	NUMBER OF NATURAL BARRIERS
85102	MILES BLOCKED BY NATURAL BARRIERS
85103	NUMBER OF NATURAL BARRIERS TO BE REMOVED
85104	NUMBER OF DAMS AND MAN CAUSED OBSTRUCTIONS
85105	MILES BLOCKED BY DAMS OR MAN CAUSED OBSTRUCTIONS
85106	NUMBER OF DAMS TO BE ALTERED
85107	MILES OF STREAM OCCUPIED BY IMPOUNDMENT
85108	LOWER END OF SECTION COVERED BY THIS FORM
85109	UPPER END OF SECTION COVERED BY THIS FORM
85110	LOWER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85111	UPPER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85112	STREAM SURVEY:1=COMPLETE 2=INCOMPLETE 3=NONE
85113	ABUNDANCE: 1=FSHWY/TAG&R 2=SURVEY 3=EST PLUS 4=EST
85114	ABUNDANCE: N=S&ST 1=ABUNDANT 4=SCARCE RGH FSH 3=SCARCE
85116	SQUARE YARDS OF SPAWNING AREA IN 1970

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85117	SQUARE YARDS OF SPAWNING AREA IN 1980
85118	SQUARE YARDS OF SPAWNING AREA IN 1990
85119	SQUARE YARDS OF SPAWNING AREA IN 2000
85120	MILES OF REARING AREA IN 1970
85121	MILES OF REARING AREA IN 1980
85122	MILES OF REARING AREA IN 1990
85123	MILES OF REARING AREA IN 2000
85124	CATCH BY SPORT ANGLING IN 1970
85125	RECREATION DAYS SPENT ANGLING IN 1970
85126	RECREATION DAYS SPENT ANGLING IN 1980
85127	RECREATION DAYS SPENT ANGLING IN 1990
85128	RECREATION DAYS SPENT ANGLING IN 2000
85129	CONTRIBUTION TO COMMERCIAL CATCH IN 1970
85130	PERCENT OF TOTAL FISHING DONE FROM BOAT IN 1970
85131	PERCENT OF TOTAL FISHING DONE FROM BANK IN 1970
85132	PERCENT OF TOTAL FISHING DONE WITH LURE IN 1970
85133	PERCENT OF TOTAL FISHING DONE WITH BAIT IN 1970
85134	PERCENT OF TOTAL FISHING DONE WITH A FLY IN 1970
85146	YEAR THIS FACTOR HAS A LIMITING EFFECT
85157	MAN DAYS OF WATER SKIING
85158	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85159	MAN DAYS OF BOATING OTHER THAN ANGLING
85160	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85161	MAN DAYS OF SWIMMING
85162	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85163	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NOT PRESENT
85165	NUMBER OF MONTHS SUSPENDED SOLIDS ARE A PROBLEM
85167	NUMBER OF MONTHS PLANKTON IS A PROBLEM
85168	1=ELIMINATE PROD 2=REDUCE 3=NO INTER. 4=NOT PRES

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85169	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85170	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85171	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85172	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85173	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85174	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85175	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85176	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85177	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85178	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85179	YEAR THIS NUMBER OF FACILITIES PRESENT
85180	NUMBER OF BOAT RAMPS
85181	NUMBER OF MOORAGES
85182	NUMBER OF PICNIC AREAS
85183	NUMBER OF CAMP AREAS
85184	NUMBER OF RESORTS
85185	YEAR THIS ZONED AREA PRESENT
85186	ACRES SET ASIDE FOR OTHER BOATING
85187	ACRES SET ASIDE FOR WATER SKIING
85188	MILES OF SHORE LOST TO ACCESS BY HOME SITES
85189	TOTAL MILES OF SHORELINE
85193	WILL RECR BE INC BY RELEASE OF FINGERL 0=NO 1=YES
85195	CATCH AND RECREATION ESTIMATE 1=BEST 4=POOREST
85333	PRECIPITATION-SAMPLE COLLECTION TIME-CODE- NES
85538	GAMMA SCAN DATE (YR,MO,DAY)
85539	DATE OF REPORT (YR,MO,DAY)
85658	TIME NIGHT CO2 HR
85661	TIME, INTERVAL DAY CO2 HR

Appendix F

National EPA Water Quality Criteria Summary[1]

The following table presents the national water quality criteria that were used to assess water quality data on a station-by-station basis and within the entire study area. Criteria are, for the most part, maximum values (except for dissolved oxygen, pH, and as noted). Criteria exist in any of four categories: Fresh Acute, Drinking Water, Marine Acute, and Other. Acute criteria are the highest 1-hour average concentrations which should not result in unacceptable impacts to aquatic organisms in either fresh or marine waters, respectively. The Drinking Water criteria are intended for human consumption; while the Other criteria represents National Park Service or other concerns. Parameters are listed in ascending order by STORET code. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to obtain the criteria for all parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	00070				50[t]	TURBIDITY, JACKSON CANDLE UNITS	JTU	Physical
	00076				50[t]	TURBIDITY, HACH TURBIDIMETER, FORMAZIN TUR. UNITS	FTU	Physical
14808798	00154		250[s]			SULFATE (AS S) WHOLE WATER	MG/L	General Inorganic
7782447	00299				4.0[u]	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	MG/L	Dissolved Oxygen
7782447	00300				4.0[u]	OXYGEN, DISSOLVED	MG/L	Dissolved Oxygen
	00400				≤6.5, ≥9.0[#]	PH	SU	Physical
	00403				≤6.5, ≥9.0[#]	PH, LAB	SU	Physical
	00406				≤6.5, ≥9.0[#]	PH, FIELD	SU	Physical

[1]Sources: (1) U.S. Environmental Protection Agency, Quality Criteria for Water 1995, Final Draft; (2) U.S. Environmental Protection Agency, 40 CFR 141 - National Primary Drinking Water Regulations, and 40 CFR 143 - National Secondary Drinking Water Regulations, July 1, 1994; and (3) Others as Noted in Footnotes.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
471341	00409				<200[=]	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS	UEQ/L	General Inorganic
17778880	00613		1			NITRITE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00615		1			NITRITE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00618		10			NITRATE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00620		10			NITRATE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00628		10			NITRITE + NITRATE, SUSPENDED AS N	MG/L	Nitrogen
17778880	00630		10			NITRITE PLUS NITRATE, TOTAL 1 DET.	MG/L	Nitrogen
17778880	00631		10			NITRITE PLUS NITRATE, DISSOLVED 1 DET.	MG/L	Nitrogen
57125	00718	22	200	1.0		CYANIDE, WEAK ACID, DISSOCIABLE, WATER, WHOLE	UG/L	General Inorganic
57125	00719	22	200	1.0		CYANIDE, FREE,IN WATER&WASTEWATERS, HBG METHOD	UG/L	General Inorganic
57125	00720	0.022	0.2	0.001		CYANIDE, TOTAL	MG/L	General Inorganic
57125	00722	0.022	0.2	0.001		CYANIDE, FREE (AMENABLE TO CHLORINATION)	MG/L	General Inorganic
57125	00723	22	200	1.0		CYANIDE, DISSOLVED STD METHOD	UG/L	General Inorganic
57125	00724	22	200	1.0		CYANIDE COMPLEXED TO A RANGE OF COMPNDS, WATER	UG/L	General Inorganic
16887006	00940	860	250[s]			CHLORIDE,TOTAL IN WATER	MG/L	General Inorganic
16887006	00941	860	250[s]			CHLORIDE, DISSOLVED IN WATER	MG/L	General Inorganic
14808798	00945		250[s]			SULFATE, TOTAL (AS SO4)	MG/L	General Inorganic
14808798	00946		250[s]			SULFATE, DISSOLVED (AS SO4)	MG/L	General Inorganic
1332214	00948		7000000			ASBESTOS, WHOLE SAMPLE	CNT/L	General Inorganic
16984488	00950		4.0			FLUORIDE, DISSOLVED AS F	MG/L	General Inorganic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
16984488	00951		4.0			FLUORIDE, TOTAL AS F	MG/L	General Inorganic
7782414	00953		4000			FLUORINE, TOTAL	UG/L	General Inorganic
7440382	00978	360	50	69		ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	UG/L	Metal
7782492	00981	20	50	300		SELENIUM,TOTAL RECOVERABLE IN WATER AS SE	UG/L	Metal
7440280	00982	1400*	2.0	2130*		THALLIUM, TOTAL RECOVERABLE IN WATER AS TL	UG/L	Metal
7782492	00990	20	50	300		SELENITE, TOTAL RECOVERABLE INORGANIC	UG/L	Metal
7440382	00991	360	50	69		ARSENIC, TOTAL RECOVERABLE TRIVALENT INORGANIC	UG/L	Metal
7440382	00995	360	50	69		ARSENIC, INORGANIC DISS	UG/L	Metal
7440382	00996	360	50	69		ARSENIC, INORGANIC SUSP	UG/L	Metal
7440382	00997	360	50	69		ARSENIC, INORGANIC TOT	UG/L	Metal
7440417	00998	130*	4.0			BERYLLIUM,TOTAL RECOVERABLE IN WATER AS BE	UG/L	Metal
7440382	01000	360	50	69		ARSENIC, DISSOLVED	UG/L	Metal
7440382	01001	360	50	69		ARSENIC, SUSPENDED	UG/L	Metal
7440382	01002	360	50	69		ARSENIC, TOTAL	UG/L	Metal
7440393	01005		2000			BARIUM, DISSOLVED	UG/L	Metal
7440393	01006		2000			BARIUM, SUSPENDED	UG/L	Metal
7440393	01007		2000			BARIUM, TOTAL	UG/L	Metal
7440393	01009		2000			BARIUM,TOTAL RECOVERABLE IN WATER AS BA	UG/L	Metal
7440417	01010	130*	4.0			BERYLLIUM, DISSOLVED	UG/L	Metal
7440417	01011	130*	4.0			BERYLLIUM, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440417	01012	130*	4.0			BERYLLIUM, TOTAL	UG/L	Metal
7440439	01025	3.9+	5.0	43		CADMIUM, DISSOLVED	UG/L	Metal
7440439	01026	3.9+	5.0	43		CADMIUM, SUSPENDED	UG/L	Metal
7440439	01027	3.9+	5.0	43		CADMIUM, TOTAL	UG/L	Metal
7440473	01030		100			CHROMIUM, DISSOLVED	UG/L	Metal
7440473	01031		100			CHROMIUM, SUSPENDED	UG/L	Metal
7440473	01032	16	100	1100		CHROMIUM, HEXAVALENT	UG/L	Metal
16065831	01033	1700+	100	10300*		CHROMIUM, TRI-VAL	UG/L	Metal
7440473	01034		100			CHROMIUM, TOTAL	UG/L	Metal
7440508	01040	18+	1300a	2.9		COPPER, DISSOLVED	UG/L	Metal
7440508	01041	18+	1300a	2.9		COPPER, SUSPENDED	UG/L	Metal
7440508	01042	18+	1300a	2.9		COPPER, TOTAL	UG/L	Metal
7439921	01049	82+	15a	220		LEAD, DISSOLVED	UG/L	Metal
7439921	01050	82+	15a	220		LEAD, SUSPENDED	UG/L	Metal
7439921	01051	82+	15a	220		LEAD, TOTAL	UG/L	Metal
7440280	01057	1400*	2.0	2130*		THALLIUM, DISSOLVED	UG/L	Metal
7440280	01058	1400*	2.0	2130*		THALLIUM, SUSPENDED	UG/L	Metal
7440280	01059	1400*	2.0	2130*		THALLIUM, TOTAL	UG/L	Metal
7440020	01065	1400+	100	75		NICKEL, DISSOLVED	UG/L	Metal
7440020	01066	1400+	100	75		NICKEL, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	01067	1400[+]	100	75		NICKEL, TOTAL	UG/L	Metal
7440020	01074	1400[+]	100	75		NICKEL, TOTAL RECOVERABLE IN WATER AS NI	UG/L	Metal
7440224	01075	4.1[+]	100[s]	0.12		SILVER, DISSOLVED	UG/L	Metal
7440224	01076	4.1[+]	100[s]	0.12		SILVER, SUSPENDED	UG/L	Metal
7440224	01077	4.1[+]	100[s]	0.12		SILVER, TOTAL	UG/L	Metal
7440224	01079	4.1[+]	100[s]	0.12		SILVER, TOTAL RECOVERABLE IN WATER AS AG	UG/L	Metal
7440508	01089	0.018[+]	1.3[a]	0.0029		COPPER AS SUSPENDED BLACK OXIDE IN WATER	MG/L	General Inorganic
7440666	01090	120[+]	5000[s]	95		ZINC, DISSOLVED	UG/L	Metal
7440666	01091	120[+]	5000[s]	95		ZINC, SUSPENDED	UG/L	Metal
7440666	01092	120[+]	5000[s]	95		ZINC, TOTAL	UG/L	Metal
7440666	01094	120[+]	5000[s]	95		ZINC, TOTAL RECOVERABLE IN WATER AS ZN	UG/L	Metal
7440360	01095	88[p]	6.0	1500[p]		ANTIMONY, DISSOLVED	UG/L	Metal
7440360	01096	88[p]	6.0	1500[p]		ANTIMONY, SUSPENDED	UG/L	Metal
7440360	01097	88[p]	6.0	1500[p]		ANTIMONY, TOTAL	UG/L	Metal
7440439	01113	3.9[+]	5.0	43		CADMIUM,TOTAL RECOVERABLE IN WATER AS CD	UG/L	Metal
7439921	01114	82[+]	15[a]	220		LEAD, TOTAL RECOVERABLE IN WATER AS PB	UG/L	Metal
7440473	01118		100			CHROMIUM TOTAL RECOVERABLE IN WATER AS CR	UG/L	Metal
7440508	01119	18[+]	1300[a]	2.9		COPPER, TOTAL RECOVERABLE IN WATER AS CU	UG/L	Metal
7440280	01124	1400[*]	2.0	2130[*]		THALLIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
7440280	01128	1400[*]	2.0	2130[*]		THALLIUM, TOTAL RECOVERABLE <95%	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	01145	20	50	300		SELENIUM, DISSOLVED	UG/L	Metal
7782492	01146	20	50	300		SELENIUM, SUSPENDED	UG/L	Metal
7782492	01147	20	50	300		SELENIUM, TOTAL	UG/L	Metal
7782492	01167	20	50	300		SELENIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
18540299	01220	16	100	1100		CHROMIUM, HEXAVALENT, DISSOLVED	UG/L	Metal
7440360	01268	88[p]	6.0	1500[p]		ANTIMONY (SB), WATER, TOTAL RECOVERABLE	UG/L	Metal
57125	01291	22	200	1.0		CYANIDE, FILTERABLE, TOTAL IN WATER	UG/L	General Inorganic
7440666	01303	0.120[+]	5.0[s]	0.095		ZINC, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440224	01304	0.0041[+]	0.1[s]	0.00012		SILVER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440508	01306	0.018[+]	1.3[a]	0.0029		COPPER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
18540299	01307	0.016	0.1	1.1		CHROMIUM, HEXAVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7440382	01309	0.36	0.05	0.069		ARSENIC, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440393	01311		2.0			BARIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440417	01312	0.13[*]	0.004			BERYLLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440439	01313	0.0039[+]	0.005	0.043		CADMIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
16065831	01314	1.7[+]	0.1	10.3[*]		CHROMIUM, TRIVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7439921	01318	0.082[+]	0.015[a]	0.220		LEAD, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7439976	01321	0.0024	0.002	0.0021		MERCURY, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440020	01322	1.4[+]	0.1	0.075		NICKEL, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7782492	01323	0.020	0.050	0.300		SELENIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440280	01324	1.4*	0.002	2.13*		THALLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440611	01326		0.020c			URANIUM, POTENTIALLY DISSOLVED, WATER	MG/L	Metal
7440224	01523	4.1+	100s	0.12		SILVER, IONIC	UG/L	Metal
50328	03648		0.2			BENZO (A) PYRENE, LIQUID FRACTION, ELUTRIATE	UG/L	General Organic
122349	04035		4.0			SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
10028178	04124		20r			TRITIUM, TOTAL, WATER	PC/ML	Radiological
10028178	07000		20000r			TRITIUM, TOTAL	PC/L	Radiological
10028178	07005		20000r			TRITIUM, DISSOLVED	PC/L	Radiological
10028178	07010		20000r			TRITIUM, SUSPENDED	PC/L	Radiological
	09501		5.0			RADIUM 226, TOTAL	PC/L	Radiological
	09503		5.0			RADIUM 226, DISSOLVED	PC/L	Radiological
	09505		5.0			RADIUM 226, SUSPENDED	PC/L	Radiological
	11500		5.0			RADIUM 226 + RADIUM 228, DISSOLVED	PC/L	Radiological
	11501		5.0			RADIUM 228, TOTAL	PC/L	Radiological
	11503		5.0			RADIUM 226 + RADIUM 228, TOTAL	PC/L	Radiological
10098972	13501		8.0r			STRONTIUM 90, TOTAL	PC/L	Radiological
10098972	13503		8.0r			STRONTIUM 90, DISSOLVED	PC/L	Radiological
10098972	13505		8.0r			STRONTIUM 90, SUSPENDED	PC/L	Radiological
7782492	22675	20	50	300		SELENIUM, DISSOLVED ORGANIC	UG/L	Metal
7782492	22676	20	50	300		SELENIUM, HEXAVALENT, DISSOLVED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	22677	20	50	300		SELENIUM, TETRAVALENT, DISSOLVED	UG/L	Metal
7440382	22678	360	50	69		ARSENIC, DISSOLVED ORGANIC	UG/L	Metal
7440382	22679	850*	50	2319*		ARSENIC, PENTAVALENT,DISSOLVED	UG/L	Metal
7440382	22680	360	50	69		ARSENIC, TRIVALENT, DISSOLVED	UG/L	Metal
7440611	22703		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
	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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	31614				200^	FECAL COLIFORM, MPN, TUBE CONFIGURATION	MPN/100ML	Bacteriological
	31615				200^	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	MPN/100ML	Bacteriological
	31616				200^	FECAL COLIFORM, MEMBRANE FILTER, BROTH, 44.5C	CFU/100ML	Bacteriological
	31617				200^	FECAL COLIFORM, MPN, EIJKMAN, 44.5C (TUBE 31618)	MPN/100ML	Bacteriological
	31625				200^	FECAL COLIFORM, MF, M-FC, 0.7 UM	CFU/100ML	Bacteriological
	31648				126^	E. COLI, MTEC, MF	CFU/100ML	Bacteriological
	31649				33^	ENTEROCOCCI, ME, MF	CFU/100ML	Bacteriological
67663	32003	28900*	100[t]			CARBON CHLOROFORM AND CARBON ALCOHOL EXTRS.,TOTAL	UG/L	General Organic
67663	32005	28900*	100[t]			CARBON CHLOROFORM EXTRACTABLES	UG/L	General Organic
67663	32021	28900*	100[t]			CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLES OF	UG/L	General Organic
67663	32022	28900*	100[t]			CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES OF	UG/L	General Organic
75274	32101		100[t]			BROMODICHLOROMETHANE, WHOLE WATER	UG/L	General Organic
56235	32102	35200*	5.0	50000*		CARBON TETRACHLORIDE, WHOLE WATER	UG/L	General Organic
107062	32103	118000*	5.0	113000*		1,2-DICHLOROETHANE,WHOLE WATER	UG/L	General Organic
75252	32104		100[t]			BROMOFORM, WHOLE WATER	UG/L	General Organic
124481	32105		100[t]			DIBROMOCHLOROMETHANE, WHOLE WATER	UG/L	General Organic
67663	32106	28900*	100[t]			CHLOROFORM, WHOLE WATER	UG/L	General Organic
56235	32260	35.2*	0.005	50*		CARBON TETRACHLORIDE EXTRACTABLES	MG/L	General Organic
67663	32270	28.9*	0.1[t]			CHLOROFORM EXTRACTABLES TOTAL	MG/L	General Organic
108883	34010	17500*	1000	6300*		TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
1330207	34020		10000			XYLENES IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic
83329	34205	1700*		970*		ACENAPHTHENE, TOTAL	UG/L	General Organic
83329	34206	1700*		970*		ACENAPHTHENE, DISSOLVED	UG/L	General Organic
83329	34207	1700*		970*		ACENAPHTHENE, SUSPENDED	UG/L	General Organic
107028	34210	68*		55*		ACROLEIN, TOTAL	UG/L	Pesticide
107028	34211	68*		55*		ACROLEIN, DISSOLVED	UG/L	Pesticide
107028	34212	68*		55*		ACROLEIN, SUSPENDED	UG/L	Pesticide
107131	34215	7550*				ACRYLONITRILE, TOTAL	UG/L	General Organic
107131	34216	7550*				ACRYLONITRILE, DISSOLVED	UG/L	General Organic
107131	34217	7550*				ACRYLONITRILE, SUSPENDED	UG/L	General Organic
71432	34235	5300*	5.0	5100*		BENZENE, DISSOLVED	UG/L	General Organic
71432	34236	5300*	5.0	5100*		BENZENE, SUSPENDED	UG/L	General Organic
92875	34239	2500*				BENZIDINE, DISSOLVED	UG/L	General Organic
92875	34240	2500*				BENZIDINE, SUSPENDED	UG/L	General Organic
58899	34265	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, DISSOLVED	UG/L	Pesticide
58899	34266	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, SUSPENDED	UG/L	Pesticide
75252	34288		100[t]			BROMOFORM, DISSOLVED	UG/L	General Organic
75252	34289		100[t]			BROMOFORM, SUSPENDED	UG/L	General Organic
56235	34297	35200*	5.0	50000*		CARBON TETRACHLORIDE, DISSOLVED	UG/L	General Organic
56235	34298	35200*	5.0	50000*		CARBON TETRACHLORIDE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108907	34301		100			CHLOROBENZENE, TOTAL	UG/L	General Organic
108907	34302		100			CHLOROBENZENE, DISSOLVED	UG/L	General Organic
108907	34303		100			CHLOROBENZENE, SUSPENDED	UG/L	General Organic
124481	34306		100[t]			CHLORODIBROMOMETHANE, TOTAL	UG/L	General Organic
124481	34307		100[t]			CHLORODIBROMOMETHANE, DISSOLVED	UG/L	General Organic
124481	34308		100[t]			CHLORODIBROMOMETHANE, SUSPENDED	UG/L	General Organic
67663	34316	28900[*]	100[t]			CHLOROFORM, DISSOLVED	UG/L	General Organic
67663	34317	28900[*]	100[t]			CHLOROFORM, SUSPENDED	UG/L	General Organic
57125	34325	0.022	0.2	0.001		CYANIDE, SUSPENDED	MG/L	General Inorganic
75274	34328		100[t]			DICHLOROBROMOMETHANE, DISSOLVED	UG/L	General Organic
75274	34329		100[t]			DICHLOROBROMOMETHANE, SUSPENDED	UG/L	General Organic
122667	34346	270[*]				1,2-DIPHENYLHYDRAZINE, TOTAL	UG/L	General Organic
122667	34347	270[*]				1,2-DIPHENYLHYDRAZINE, DISSOLVED	UG/L	General Organic
122667	34348	270[*]				1,2-DIPHENYLHYDRAZINE, SUSPENDED	UG/L	General Organic
33213659	34356	0.22		0.034		ENDOSULFAN, BETA, TOTAL	UG/L	Pesticide
33213659	34357	0.22		0.034		ENDOSULFAN, BETA, DISSOLVED	UG/L	Pesticide
33213659	34358	0.22		0.034		ENDOSULFAN, BETA, SUSPENDED	UG/L	Pesticide
959988	34361	0.22		0.034		ENDOSULFAN, ALPHA, TOTAL	UG/L	Pesticide
959988	34362	0.22		0.034		ENDOSULFAN, ALPHA, DISSOLVED	UG/L	Pesticide
959988	34363	0.22		0.034		ENDOSULFAN, ALPHA, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
100414	34371	32000*	700	430*		ETHYLBENZENE, TOTAL	UG/L	General Organic
100414	34372	32000*	700	430*		ETHYLBENZENE, DISSOLVED	UG/L	General Organic
100414	34373	32000*	700	430*		ETHYLBENZENE, SUSPENDED	UG/L	General Organic
206440	34376	3980*		40*		FLUORANTHENE, TOTAL	UG/L	General Organic
206440	34377	3980*		40*		FLUORANTHENE, DISSOLVED	UG/L	General Organic
206440	34378	3980*		40*		FLUORANTHENE, SUSPENDED	UG/L	General Organic
77474	34386	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, TOTAL	UG/L	General Organic
77474	34387	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, DISSOLVED	UG/L	General Organic
77474	34388	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, SUSPENDED	UG/L	General Organic
87683	34391	90*		32*		HEXACHLOROBUTADIENE, TOTAL	UG/L	General Organic
87683	34392	90*		32*		HEXACHLOROBUTADIENE, DISSOLVED	UG/L	General Organic
87683	34393	90*		32*		HEXACHLOROBUTADIENE, SUSPENDED	UG/L	General Organic
67721	34396	980*		940*		HEXACHLOROETHANE, TOTAL	UG/L	General Organic
67721	34397	980*		940*		HEXACHLOROETHANE, DISSOLVED	UG/L	General Organic
67721	34398	980*		940*		HEXACHLOROETHANE, SUSPENDED	UG/L	General Organic
118741	34401	6.0[p]	1.0			HEXACHLOROBENZENE, DISSOLVED	UG/L	General Organic
118741	34402	6.0[p]	1.0			HEXACHLOROBENZENE, SUSPENDED	UG/L	General Organic
193395	34403		0.40[c]			INDENO (1,2,3-CD) PYRENE, TOTAL	UG/L	General Organic
193395	34404		0.40[c]			INDENO (1,2,3-CD) PYRENE, DISSOLVED	UG/L	General Organic
193395	34405		0.40[c]			INDENO (1,2,3-CD) PYRENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
78591	34408	117000*		12900*		ISOPHORONE, TOTAL	UG/L	Pesticide
78591	34409	117000*		12900*		ISOPHORONE, DISSOLVED	UG/L	Pesticide
78591	34410	117000*		12900*		ISOPHORONE, SUSPENDED	UG/L	Pesticide
75092	34423		5.0			METHYLENE CHLORIDE, TOTAL	UG/L	General Organic
75092	34424		5.0			METHYLENE CHLORIDE, DISSOLVED	UG/L	General Organic
75092	34425		5.0			METHYLENE CHLORIDE, SUSPENDED	UG/L	General Organic
91203	34443	2300*		2350*		NAPHTHALENE, DISSOLVED	UG/L	General Organic
91203	34444	2300*		2350*		NAPHTHALENE, SUSPENDED	UG/L	General Organic
98953	34447	27000*		6680*		NITROBENZENE, TOTAL	UG/L	General Organic
98953	34448	27000*		6680*		NITROBENZENE, DISSOLVED	UG/L	General Organic
98953	34449	27000*		6680*		NITROBENZENE, SUSPENDED	UG/L	General Organic
59507	34452	30*				PARACHLOROMETA CRESOL, TOTAL	UG/L	General Organic
59507	34453	30*				PARACHLOROMETA CRESOL, DISSOLVED	UG/L	General Organic
59507	34454	30*				PARACHLOROMETA CRESOL, SUSPENDED	UG/L	General Organic
87865	34459	20***	1.0	13		PCP (PENTACHLOROPHENOL), DISSOLVED	UG/L	Pesticide
87865	34460	20***	1.0	13		PCP (PENTACHLOROPHENOL), SUSPENDED	UG/L	Pesticide
85018	34461	30p		7.7p		PHENANTHRENE, TOTAL	UG/L	General Organic
85018	34462	30p		7.7p		PHENANTHRENE, DISSOLVED	UG/L	General Organic
85018	34463	30p		7.7p		PHENANTHRENE, SUSPENDED	UG/L	General Organic
108952	34466	10200*		5800*		PHENOL, DISSOLVED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108952	34467	10200*		5800*		PHENOL, SUSPENDED	UG/L	General Organic
127184	34475	5280*	5.0	10200*		TETRACHLOROETHYLENE, TOTAL	UG/L	General Organic
127184	34476	5280*	5.0	10200*		TETRACHLOROETHYLENE, DISSOLVED	UG/L	General Organic
127184	34477	5280*	5.0	10200*		TETRACHLOROETHYLENE, SUSPENDED	UG/L	General Organic
108883	34481	17500*	1000	6300*		TOLUENE, DISSOLVED	UG/L	General Organic
108883	34482	17500*	1000	6300*		TOLUENE, SUSPENDED	UG/L	General Organic
79016	34485	45000*	5.0	2000*		TRICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
79016	34486	45000*	5.0	2000*		TRICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
75014	34493		2.0			VINYL CHLORIDE, DISSOLVED	UG/L	General Organic
75014	34494		2.0			VINYL CHLORIDE, SUSPENDED	UG/L	General Organic
75354	34501		7.0			1,1-DICHLOROETHYLENE, TOTAL	UG/L	General Organic
75354	34502		7.0			1,1-DICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
75354	34503		7.0			1,1-DICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
71556	34506		200	31200*		1,1,1-TRICHLOROETHANE, TOTAL	UG/L	General Organic
71556	34507		200	31200*		1,1,1-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
71556	34508		200	31200*		1,1,1-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79005	34511		5.0			1,1,2-TRICHLOROETHANE, TOTAL	UG/L	General Organic
79005	34512		5.0			1,1,2-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
79005	34513		5.0			1,1,2-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79345	34516			9020*		1,1,2,2-TETRACHLOROETHANE, TOTAL	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
79345	34517			9020*		1,1,2,2-TETRACHLOROETHANE, DISSOLVED	UG/L	General Organic
79345	34518			9020*		1,1,2,2-TETRACHLOROETHANE, SUSPENDED	UG/L	General Organic
107062	34531	118000*	5.0	113000*		1,2-DICHLOROETHANE, TOTAL	UG/L	General Organic
107062	34532	118000*	5.0	113000*		1,2-DICHLOROETHANE, DISSOLVED	UG/L	General Organic
107062	34533	118000*	5.0	113000*		1,2-DICHLOROETHANE, SUSPENDED	UG/L	General Organic
95501	34536		600			1,2-DICHLOROBENZENE, TOTAL	UG/L	General Organic
95501	34537		600			1,2-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
95501	34538		600			1,2-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
78875	34541		5.0			1,2-DICHLOROPROPANE, TOTAL	UG/L	General Organic
78875	34542		5.0			1,2-DICHLOROPROPANE, DISSOLVED	UG/L	General Organic
78875	34543		5.0			1,2-DICHLOROPROPANE, SUSPENDED	UG/L	General Organic
156605	34546		100			TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER	UG/L	General Organic
156605	34547		100			TRANS-1,2-DICHLOROETHENE, DISSOLVED	UG/L	General Organic
156605	34548		100			TRANS-1,2-DICHLOROETHENE, SUSPENDED	UG/L	General Organic
120821	34551		70			1,2,4-TRICHLOROBENZENE, TOTAL	UG/L	General Organic
120821	34552		70			1,2,4-TRICHLOROBENZENE, DISSOLVED	UG/L	General Organic
120821	34553		70			1,2,4-TRICHLOROBENZENE, SUSPENDED	UG/L	General Organic
541731	34566		600			1,3-DICHLOROBENZENE, TOTAL	UG/L	General Organic
541731	34567		600			1,3-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
541731	34568		600			1,3-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
106467	34571		75			1,4-DICHLOROBENZENE, TOTAL	UG/L	General Organic
106467	34572		75			1,4-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
106467	34573		75			1,4-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
95578	34586	4380*				2-CHLOROPHENOL, TOTAL	UG/L	General Organic
95578	34587	4380*				2-CHLOROPHENOL, DISSOLVED	UG/L	General Organic
95578	34588	4380*				2-CHLOROPHENOL, SUSPENDED	UG/L	General Organic
120832	34601	2020*				2,4-DICHLOROPHENOL, TOTAL	UG/L	General Organic
120832	34602	2020*				2,4-DICHLOROPHENOL, DISSOLVED	UG/L	General Organic
120832	34603	2020*				2,4-DICHLOROPHENOL, SUSPENDED	UG/L	General Organic
105679	34606	2120*				2,4-DIMETHYLPHENOL, TOTAL	UG/L	General Organic
105679	34607	2120*				2,4-DIMETHYLPHENOL, DISSOLVED	UG/L	General Organic
105679	34608	2120*				2,4-DIMETHYLPHENOL, SUSPENDED	UG/L	General Organic
121142	34611	330*		590*		2,4-DINITROTOLUENE, TOTAL	UG/L	General Organic
121142	34612	330*		590*		2,4-DINITROTOLUENE, DISSOLVED	UG/L	General Organic
121142	34613	330*		590*		2,4-DINITROTOLUENE, SUSPENDED	UG/L	General Organic
72548	34651	0.6*		3.6*		P,P'-DDD, DISSOLVED	UG/L	Pesticide
72548	34652	0.6*		3.6*		P,P'-DDD, SUSPENDED	UG/L	Pesticide
72559	34653	1050*		14*		P,P'-DDE, DISSOLVED	UG/L	Pesticide
72559	34654	1050*		14*		P,P'-DDE, SUSPENDED	UG/L	Pesticide
50293	34655	1.1		0.13		P,P'-DDT, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
50293	34656	1.1		0.13		P,P'-DDT, SUSPENDED	UG/L	Pesticide
1746016	34675	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), TOT	UG/L	General Organic
1746016	34676	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), DISS	UG/L	General Organic
1746016	34677	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), SUSP	UG/L	General Organic
108952	34694	10200*		5800*		PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	UG/L	General Organic
91203	34696	2300*		2350*		NAPHTHALENE, TOTAL	UG/L	General Organic
75990	38432		200			DALAPON, WATER, TOTAL	UG/L	Pesticide
75990	38433		200			DALAPON, WATER, DISSOLVED	UG/L	Pesticide
75990	38434		200			DALAPON, WATER, SUSPENDED	UG/L	Pesticide
96128	38437		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL	UG/L	Pesticide
96128	38438		0.2			DIBROMOCHLOROPROPANE, WATER, DISSOLVED	UG/L	Pesticide
96128	38439		0.2			DIBROMOCHLOROPROPANE WATER, SUSPENDED	UG/L	Pesticide
96128	38760		0.2			DBCP, WATER, TOTAL	UG/L	Pesticide
96128	38761		0.2			DBCP, WATER, DISSOLVED	UG/L	Pesticide
96128	38762		0.2			DBCP, WATER, SUSPENDED	UG/L	Pesticide
88857	38779		7.0			DINOSEB, DISSOLVED	UG/L	Pesticide
88857	38780		7.0			DINOSEB, SUSPENDED	UG/L	Pesticide
23135220	38865		200			OXAMYL, TOTAL	UG/L	Pesticide
23135220	38866		200			OXAMYL, DISSOLVED	UG/L	Pesticide
23135220	38867		200			OXAMYL, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
145733	38926		100			ENDOTHALL, WHOLE WATER SAMPLE	UG/L	Pesticide
2921882	38932	0.083		0.011		CHLORPYRIFOS, TOTAL RECOVERABLE	UG/L	Pesticide
2921882	38933	0.083		0.011		CHLORPYRIFOS, DISSOLVED	UG/L	Pesticide
2163806	38935		50			MONOSODIUM METHANEARSONATE (MSMA)	UG/L	Pesticide
2921882	39012	0.083		0.011		DURSBAN, FLAME PHOTOMETRIC, WATER SAMPLE	UG/L	Pesticide
56382	39015	0.065				ETHYLPARATHION, FLAME IONIFATION, WATER SAMPLE	UG/L	Pesticide
122349	39025		4.0			SIMAZINE, COULSON CONDUCTIVITY WATER SAMPLE	UG/L	Pesticide
87865	39032	20***	1.0	13		PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39033		3.0			ATRAZINE IN WHOLE WATER SAMPLE	UG/L	Pesticide
118741	39039	6.0[P]	1.0			HEXACHLOROBENZENE WATER SAMPLE, ELECTRON CPT	UG/L	Pesticide
93721	39045		50			2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPLE	UG/L	Pesticide
116063	39053		3.0			ALDICARB IN WHOLE WATER	UG/L	Pesticide
122349	39055		4.0			SIMAZINE IN WHOLE WATER	UG/L	Pesticide
117817	39100	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	UG/L	General Organic
117817	39103	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED	UG/L	General Organic
117817	39104	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED	UG/L	General Organic
	39117	0.94*		2.994*		PHTHLATE ESTERS IN WATER	MG/L	General Organic
75014	39175		2.0			VINYL CHLORIDE-WHOLE WATER SAMPLE	UG/L	General Organic
79016	39180	45000*	5.0	2000*		TRICHLOROETHYLENE-WHOLE WATER SAMPLE	UG/L	General Organic
50293	39300	1.1		0.13		P,P' DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
72548	39310	0.6*		3.6*		P,P' DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39320	1050*		14*		P,P' DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39330	3.0		1.3		ALDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39331	3.0		1.3		ALDRIN IN FILT. FRAC. OF WAT. SAMP.	UG/L	Pesticide
309002	39332	3.0		1.3		ALDRIN IN SUSP. FRAC. OF WAT. SAMP.	UG/L	Pesticide
58899	39340	2.0	0.2	0.16		GAMMA-BHC(LINDANE), WHOLE WATER	UG/L	Pesticide
58899	39341	2.0	0.2	0.16		GAMMA-BHC(LINDANE), DISSOLVED	UG/L	Pesticide
58899	39342	2.0	0.2	0.16		GAMMA-BHC(LINDANE), SUSPENDED	UG/L	Pesticide
57749	39350	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), WHOLE WATER	UG/L	Pesticide
57749	39352	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), DISSOLVED	UG/L	Pesticide
57749	39353	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), SUSPENDED	UG/L	Pesticide
72548	39360	0.6*		3.6*		DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72548	39361	0.6*		3.6*		DDD IN FILT. FRAC. OF WATER SMAPLE	UG/L	Pesticide
72548	39362	0.6*		3.6*		DDD IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39365	1050*		14*		DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39366	1050*		14*		DDE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39367	1050*		14*		DDE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39370	1.1		0.13		DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide
50293	39371	1.1		0.13		DDT IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39372	1.1		0.13		DDT IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
60571	39380	2.5		0.71		DIELDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
60571	39381	2.5		0.71		DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
60571	39382	2.5		0.71		DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
115297	39388	0.22		0.034		ENDOSULFAN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39390	0.18	2.0	0.037		ENDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39391	0.18	2.0	0.037		ENDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72208	39392	0.18	2.0	0.037		ENDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39400	0.73	3.0	0.21		TOXAPHENE IN WHOLE WATER SAMPLE	UG/L	Pesticide
8001352	39401	0.73	3.0	0.21		TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39402	0.73	3.0	0.21		TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39410	0.52	0.4	0.053		HEPTACHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	39411	0.52	0.4	0.053		HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39412	0.52	0.4	0.053		HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1024573	39420	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1024573	39421	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN FILT. FRAC. WATER SAMPLE	UG/L	Pesticide
1024573	39422	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN SUSP. FRAC. WATER SAMPLE	UG/L	Pesticide
72435	39478		40			METHOXYCHLOR IN WHOLE WATER DISSOLVED	UG/L	Pesticide
72435	39479		40			METHOXYCHLOR IN WHOLE WATER SUSPENDED	UG/L	Pesticide
72435	39480		40			METHOXYCHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
56382	39540	0.065				PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
56382	39542	0.065				PARATHION IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
56382	39543	0.065				PARATHION IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1912249	39630		3.0			ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39632		3.0			ATRAZINE DISSOLVED IN WATER	PPB	Pesticide
118741	39700	6.0[P]	1.0			HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	UG/L	General Organic
87683	39702	90[*]		32[*]		HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE	UG/L	General Organic
1918021	39720		500			PICLORAM IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39730		70			2,4-D IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39732		70			2,4-D IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
94757	39733		70			2,4-D IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39760		50			SILVEX IN WHOLE WATER SAMPLE	UG/L	Pesticide
93721	39762		50			SILVEX IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39763		50			SILVEX IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
58899	39782	2.0	0.2	0.16		LINDANE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1071836	39941		700			ROUNDUP IN WHOLE WATER SAMPLE (GLYPHOSATE)	UG/L	Pesticide
7782505	45650	0.019		0.013		CHLORINE, IN ORGANIC COMPOUNDS, WATER, WHOLE	MG/L	General Inorganic
56382	46315	0.065				ETHYL PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
58899	46322	2.0	0.2	0.16		LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	46326	0.52	0.4	0.053		HEPTACHLOR AND METABOLITES IN WHOLE H2O SAMPLE	UG/L	Pesticide
15972608	46342		2.0			ALACHLOR (LASSO), WATER, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782505	46472	0.019		0.013		CHLORINE, TOTAL RESIDUAL, AVERAGE VALUE, WATER	MG/L	General Inorganic
7782505	46473	0.019		0.013		CHLORINE, FREE AVAILABLE, AVERAGE VALUE, WATER	MG/L	General Inorganic
57125	46479	22	200	1.0		CYANIDE, DISSOLVED, WATER	UG/L	General Inorganic
7440382	46551	360	50	69		ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILTERED	UG/L	Metal
7440393	46558		2000			BARIUM, FIELD ACIDIFIED W/HNO3-LAB FILT	UG/L	Metal
7440439	46559	3.9[+]	5.0	43		CADMIUM,FIELD ACIDIFIED-HNO3-LAB FILTER	UG/L	Metal
7440473	46560		100			CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT.	UG/L	Metal
7440508	46562	18[+]	1300[a]	2.9		COPPER, FIELD ACIDIFIED-HNO3- LAB FILTER.	UG/L	Metal
7439921	46564	82[+]	15[a]	220		LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED	UG/L	Metal
7440224	46566	4.1[+]	100[s]	0.12		SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.	UG/L	Metal
7440666	46567	120[+]	5000[s]	95		ZINC, EXTRACTABLE, FIELD ACID W/HNO3,LAB FILTR	UG/L	Metal
56382	49011	0.065				UNKNOWNS AS PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
7782505	50058	0.019		0.013		CHLORINE DOSE	MG/L	General Inorganic
7782505	50060	0.019		0.013		CHLORINE, TOTAL RESIDUAL	MG/L	General Inorganic
7782505	50064	0.019		0.013		CHLORINE, FREE AVAILABLE	MG/L	General Inorganic
7782505	50066	0.019		0.013		CHLORINE, COMBINED AVAILABLE	MG/L	General Inorganic
7782505	50074	0.019		0.013		CHLORITE, WHOLE WATER	MG/L	General Inorganic
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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
14797650	71855		3.3			NITRITE NITROGEN, TOTAL (AS NO2)	MG/L	Nitrogen
14797650	71856		3.3			NITRITE NITROGEN, DISSOLVED (AS NO2)	MG/L	Nitrogen
7439976	71890	2.4	2.0	2.1		MERCURY, DISSOLVED	UG/L	Metal
7439976	71895	2.4	2.0	2.1		MERCURY, SUSPENDED	UG/L	Metal
7439976	71900	2.4	2.0	2.1		MERCURY, TOTAL	UG/L	Metal
7439976	71901	2.4	2.0	2.1		MERCURY,TOTAL RECOVERABLE IN WATER AS HG	UG/L	Metal
7440439	71946	3.9[+]	5.0	43		CADMIUM, EXTRACTABLE	UG/L	Metal
7440473	71947		100			CHROMIUM, EXTRACTABLE	UG/L	Metal
7439921	71949	82[+]	15[a]	220		LEAD, EXTRACTABLE	UG/L	Metal
7440666	71950	120[+]	5000[s]	95		ZINC, EXTRACTABLE	UG/L	Metal
7440508	71951	18[+]	1300[a]	2.9		COPPER, EXTRACTABLE	UG/L	Metal
1336363	76011	2000	500	10000		PCBS, SUSPENDED, WATER	NG/L	General Organic
1336363	76012	2000	500	10000		PCBS, TOTAL RECOVERABLE, WATER	NG/L	General Organic
156592	77093		70			CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	UG/L	General Organic
100425	77128		100			STYRENE, WHOLE WATER	UG/L	General Organic
106489	77296			29700[*]		P-CHLOROPHENOL, WHOLE WATER	UG/L	General Organic
106934	77651		0.05			1,2-DIBROMOETHANE, WHOLE WATER	UG/L	General Organic
95954	77687	100[p]		240[p]		2,4,5-TRICHLOROPHENOL, WHOLE WATER	UG/L	General Organic
935955	77769			440[*]		2,3,5,6-TETRACHLOROPHENOL, WHOLE WATER	UG/L	General Organic
103231	77903		400			BIS (2-ETHYLHEXYL) ADIPATE, WHOLE WATER	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
18540299	78247	16	100	1100		CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE	UG/L	Metal
57125	78248	22	200	1.0		CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE	UG/L	Metal
	78456	11*		12*		HALOMETHANES, SUMMATION, WHOLE WATER	MG/L	General Organic
14808798	78462		250s			SULFATE, WATER, DISSOLVED AS S	MG/L	Metal
85007	78885		20			DIQUAT DIBROMIDE (REGLONE) WHOLE WATER SAMPLE	UG/L	Pesticide
7440611	80020		20c			URANIUM, DISS. BY EXTRACTION FLUOROMETRIC	UG/L	Radiological
16065831	80357	1700	100	10300*		CHROMIUM, TRIVALENT, DISSOLVED	UG/L	Metal
57125	81208	0.022	0.2	0.001		CYANIDE,FREE (NOT AMENABLE TO CHLORINATION)	MG/L	General Inorganic
608731	81283	100*		0.34*		BENZENEHEXACHLORIDE, WHOLE WATER	UG/L	Pesticide
88857	81287		7.0			DNBP(C10H12N2O5), WHOLE WATER SAMPLE	UG/L	Pesticide
26638197	81327	23000*	5.0	10300*		DICHLOROPROPANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81333	1120*		1970*		DICHLOROBENZENE ISOMER, WHOLE WATER SAMPLE	UG/L	General Organic
2921882	81403	0.083		0.011		DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMPLE	UG/L	Pesticide
1563662	81405		40			CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	UG/L	Pesticide
76017	81501	7240*		390*		PENTACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81524	1120*		1970*		DICHLOROBENZENE, WHOLE WATER SAMPLE	UG/L	General Organic
25322207	81549	9320*				TETRACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
26638197	81703	23*	0.005*	10.3*		DICHLOROPROPANE, WHOLE WATER SAMPLE	MG/L	General Organic
7440508	81750	18+	1300a	2.9		COPPER, INTERSTITIAL WATERFROM SEDIMENTS	UG/L	Metal
7440020	81752	1400+	100	75		NICKEL, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440666	81754	120[+]	5000[s]	95		ZINC, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
25323891	81853	18000[*]				TRICHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
7439976	81931	2.4	2.0	2.1		MERCURY (HG) SUSPENDED FRACTION OF WATER	UG/G	Metal
7440666	81933	120[+]	5000[s]	95		ZINC (ZN) SUSPENDED FRACTION OF WATER	UG/G	Metal
7439921	81936	82[+]	15[a]	220		LEAD (PB) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440439	81937	3.9[+]	5.0	43		CADMIUM (CD) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81938		100			CHROMIUM (CR) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440508	81939	18[+]	1300[a]	2.9		COPPER (CU) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440666	81940	120[+]	5000[s]	95		ZINC (ZN) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81941		100			CHROMIUM (CR) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440508	81942	18[+]	1300[a]	2.9		COPPER (CU) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440666	81943	120[+]	5000[s]	95		ZINC (ZN) DISSOLVED ANIONIC SPECIES	UG/L	Metal
	82078				50[l]	TURBIDITY, FIELD	NTU	Physical
	82079				50[l]	TURBIDITY, LAB	NTU	Physical
88857	82226		7.0			2 SECONDARY BUTYL 4,6-DINITROPHENOL	UG/L	Pesticide
16887006	82295	860000	250000[s]			CHLORIDE DISSOLVED AS CL IN WATER	UG/L	General Inorganic
72435	82350		40			METHOXYCHLOR, DISSOLVED IN WATER	UG/L	Pesticide
72435	82351		40			METHOXYCHLOR, SUSPENDED IN WATER	UG/L	Pesticide
115297	82354	0.22		0.034		ENDOSULFAN, DISSOLVED IN WATER	UG/L	Pesticide
115297	82355	0.22		0.034		ENDOSULFAN, SUSPENDED IN WATER	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
57125	82573	0.022	0.2	0.001		CYANIDE/CHLORINATION IN WATER	MG/L	General Inorganic
1646873	82586		4.0			ALDICARB SULFOXIDE, WATER, TOTAL RECOVERABLE	UG/L	General Organic
1646884	82587		2.0			ALDICARB SULFONE, WHOLE WATER, TOTAL RECOVERABLE	UG/L	General Organic
23135220	82613		200			OXAMYL, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
1563662	82615		40			CARBOFURAN, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
116063	82619		3.0			ALDICARB, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
33213659	82624	0.22		0.034		ENDOSULFAN, BETA, WH WATER, TOTAL RECOVERABLE	UG/L	Pesticide
96128	82625		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL RECOVERABLE	UG/L	Pesticide

Footnote Key:

[*]Insufficient Data to Develop Criteria. Value Presented is the L.O.E.L. - Lowest Observed Effect Level.

[+]Hardness Dependent Criteria (100 mg/L $CaCO_3$ Used).

[***]pH Dependent Criteria (7.8 pH Used).

[=]Rule of thumb criterion used by the NPS Air Quality Division for determining sensitivity to acid deposition.

[^]Freshwater bathing criterion, EPA geometric mean based on at least 5 samples equally spaced over a 30-day period; Enterococci marine water bathing criterion 35 CFU/100 ml.

[#]EPA freshwater aquatic life chronic criterion; marine criterion is ≤6.5, ≥8.5.

[!]Arizona state standard.

[a]EPA action level, 40 CFR 141.80.

[b]California and Florida state bathing water standards.

[c]A Compilation of Water Quality Goals, California Regional Water Quality Control Board Central Valley Region, Sacramento, California, September, 1991.

[n]Total coliform drinking water maximum contaminant level (1 cfu/100ml or 1 mpn/100ml) was not used in water quality criteria comparisons.

[p]Proposed Criterion.

[r]Average annual concentration assumed to produce a total body or organ dose of 4 mrem/year, 40 CFR 141.16.

[s]EPA National Secondary Drinking Water Regulation, 40 CFR 143.

[t]The maximum contaminant level for the sum of the concentrations of trihalomethanes is 100 µg/L, 40 CFR 141.12.

[u]Coldwater criterion one day minimum; warmwater criterion seven day mean minimum.

Appendix G

Inventory Data Evaluation and Analysis (IDEA)
Servicewide Inventory and Monitoring Program "Level I"
Parameter Groups

The following table provides the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameter groups (National Park Service 1993). In order to determine the presence and/or absence of data for each of these parameter groups in the park, the parameter groups had to be defined by STORET parameter codes. This table provides the STORET codes and parameter descriptions for each parameter comprising one of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameter groups. Additional parameters could have been incorporated into each group, but an effort was made to represent each group with the parameters deemed to most likely occur in STORET and parks. The Toxic Elements Parameter Group was defined as the EPA's Clean Water Act Section 304(a) Priority Toxic Pollutants (40 CFR 131.36). Parameters are listed in ascending order of STORET code within each parameter group. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to find all the parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

STORET Code	Water Temperature Parameter Group	C.A.S. Number
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	-
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	-
STORET Code	**Flow Parameter Group[1]**	**C.A.S. Number**
00056	FLOW RATE, GALLONS/DAY	-
00058	FLOW RATE, GALLONS/MIN.	-
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	-
00060	FLOW, STREAM, MEAN DAILY CFS	-
00061	FLOW, STREAM, INSTANTANEOUS CFS	-
00065	STAGE, STREAM (FEET)	-
00067	TIDE STAGE CODE	-
00072	STAGE, STREAM (METERS)	-

[1]Tide stage is included in the Flow Parameter Group for coastal parks.

STORET Code	Clarity/Turbidity Parameter Group	C.A.S. Number
00070	TURBIDITY, (JACKSON CANDLE UNITS)	-
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	-
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	-
00077	TRANSPARENCY, SECCHI DISC (INCHES)	-
00078	TRANSPARENCY, SECCHI DISC (METERS)	-
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	-
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	-
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	-

STORET Code	Conductivity Parameter Group	C.A.S. Number
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	-
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	-
00096	SALINITY AT 25 DEGREES C (MG/ML)	-
00480	SALINITY - PARTS PER THOUSAND	-

STORET Code	Dissolved Oxygen Parameter Group	C.A.S. Number
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	7782447
00300	OXYGEN, DISSOLVED (MG/L)	7782447
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	7782447
00389	OXYGEN, DISSOLVED, LAB ANAL. BY PROBE OF FIELD SAMPLE (MG/L)	7782447

STORET Code	pH Parameter Group	C.A.S. Number
00400	PH (STANDARD UNITS)	-
00403	PH, LAB (STANDARD UNITS)	-
00406	PH, FIELD (STANDARD UNITS)	-

STORET Code	Alkalinity Parameter Group	C.A.S. Number
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (μEQ/L)	471341
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	471341
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	77098
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	471341
00435	ACIDITY, TOTAL (MG/L AS CACO3)	471341
00440	BICARBONATE ION (MG/L AS HCO3)	71523
00445	CARBONATE ION (MG/L AS CO3)	3812326

STORET Code	Nitrate/Nitrogen Parameter Group	C.A.S. Number
00600	NITROGEN, TOTAL (MG/L AS N)	17778880
00602	NITROGEN, DISSOLVED (MG/L AS N)	17778880
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	17778880
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	17778880
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	17778880
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	17778880
00612	AMMONIA, UNIONZED (MG/L AS N)	7664417
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	17778880
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	17778880
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	17778880
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	17778880
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	17778880
00631	NITRITE PLUS NITRATE, DISSOLVED 1 DET. (MG/L AS N)	17778880
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	14798039
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	14798039
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	14797558
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	14797558
71855	NITRITE NITROGEN, TOTAL (MG/L AS NO2)	14797650
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	14797650

STORET Code	Phosphate/Phosphorus Parameter Group	C.A.S. Number
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	14265442
00655	PHOSPHATE, POLY (MG/L AS PO4)	14265442
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	14265442
00665	PHOSPHORUS, TOTAL (MG/L AS P)	7723140
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	7723140
00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	7723140
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	7723140
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	7723140
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	7723140

STORET Code	Sulfates/Total Dissolved Solids/Hardness Parameter Group	C.A.S. Number
00900	HARDNESS, TOTAL (MG/L AS CACO3)	471341
00945	SULFATE, TOTAL (MG/L AS SO4)	14808798
00946	SULFATE, DISSOLVED (MG/L AS SO4)	14808798
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	-

STORET Code	Chlorophyll Parameter Group	C.A.S. Number
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	479618
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	479618
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	479618
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	479618
32223	CHLOROPHYLL A (MG/M2) SPECTROPHOTOMETRIC CORRECTED	479618
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	479618
32229	CHLOROPHYLL A (MG/M2) FLUOR. CORRECTED, SUBSTRATER	479618
32230	CHLOROPHYLL A (MG/L)	479618

STORET Code	Bacteria Parameter Group	C.A.S. Number
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	-
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED., M-ENDO MED,35C	-
31503	COLIFORM, TOT, MEMBRANE FILTER, DELAY, M-ENDO MED, 35C	-
31504	COLIFORM, TOT, MEMBRANE FILTER, IMMED., LES-ENDO AGAR, 35C	-
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	-
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	-
31507	COLIFORM, TOT, MPN, COMPLETED TEST,35C(TUBE 31508)	-
31508	COLIFORM, TOT, MPN, COMPLETED TEST, TUBE CONFIG.	-
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	-
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	-
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	-
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	-
31617	FECAL COLIFORM, MPN,EIJKMAN TEST,44.5C(TUBE 31618)	-
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	-
31648	E. COLI - MTEC-MF	-
31649	ENTEROCOCCI- ME-MF	-
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	-
31676	FECAL STREPTOCOCCI, MPN, KF BROTH, TUBE CONFIG.	-
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	-
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	-

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
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	57125
00724	CYANIDE COMPLEXED TO A RANGE OF COMPNDS (UG/L)	57125

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
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
01040	COPPER, DISSOLVED (UG/L AS CU)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01041	COPPER, SUSPENDED (UG/L AS CU)	7440508
01042	COPPER, TOTAL (UG/L AS CU)	7440508
01049	LEAD, DISSOLVED (UG/L AS PB)	7439921
01050	LEAD, SUSPENDED (UG/L AS PB)	7439921
01051	LEAD, TOTAL (UG/L AS PB)	7439921
01057	THALLIUM, DISSOLVED (UG/L AS TL)	7440280
01058	THALLIUM, SUSPENDED (UG/L AS TL)	7440280
01059	THALLIUM, TOTAL (UG/L AS TL)	7440280
01065	NICKEL, DISSOLVED (UG/L AS NI)	7440020
01066	NICKEL, SUSPENDED (UG/L AS NI)	7440020
01067	NICKEL, TOTAL (UG/L AS NI)	7440020
01074	NICKEL, TOTAL RECOVERABLE IN WATER AS NI (UG/L)	7440020
01075	SILVER, DISSOLVED (UG/L AS AG)	7440224
01076	SILVER, SUSPENDED (UG/L AS AG)	7440224
01077	SILVER, TOTAL (UG/L AS AG)	7440224
01079	SILVER, TOTAL RECOVERABLE IN WATER AS AG (UG/L)	7440224
01089	COPPER AS SUSPENDED BLACK OXIDE IN WATER (MG/L)	7440508
01090	ZINC, DISSOLVED (UG/L AS ZN)	7440666
01091	ZINC, SUSPENDED (UG/L ZN)	7440666
01092	ZINC, TOTAL (UG/L AS ZN)	7440666
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN (UG/L)	7440666
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	7440360
01096	ANTIMONY, SUSPENDED (UG/L AS SB)	7440360
01097	ANTIMONY, TOTAL (UG/L AS SB)	7440360
01113	CADMIUM, TOTAL RECOVERABLE IN WATER AS CD (UG/L)	7440439
01114	LEAD, TOTAL RECOVERABLE IN WATER AS PB (UG/L)	7439921
01118	CHROMIUM, TOTAL RECOVERABLE IN WATER AS CR (UG/L)	7440473
01119	COPPER,TOTAL RECOVERABLE IN WATER AS CU (UG/L)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01124	THALLIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7440280
01128	THALLIUM,TOTAL RECOVERABLE <95%, UG/L AS TL	7440280
01138	SELENIUM, IN WATER, LBS/DAY	7782492
01145	SELENIUM, DISSOLVED (UG/L AS SE)	7782492
01146	SELENIUM, SUSPENDED (UG/L AS SE)	7782492
01147	SELENIUM, TOTAL (UG/L AS SE)	7782492
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7782492
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	18540299
01252	ARSENIC, LB/DAY/CFS STREAM FLOW	7440382
01253	CADMIUM, LB/DAY/CFS STREAM FLOW	7440439
01254	CHROMIUM, TOTAL (LBS/DAY/CFS STREAM FLOW)	7740473
01255	CHROMIUM, HEXAVALENT, LB/DAY/CFS STREAM FLOW	18540299
01256	COPPER, LB/DAY/CFS STREAM FLOW	7440508
01257	CYANIDE LB/DAY/CFS STREAM FLOW	57125
01259	LEAD, LB/DAY/CFS STREAM FLOW	7439921
01260	MERCURY, LB/DAY/CFS STREAM FLOW	7439976
01261	NICKEL, LB/DAY/CFS STREAM FLOW	7440020
01263	SILVER, LB/DAY/CFS STREAM FLOW	7440224
01264	ZINC LB/DAY/CFS STREAM FLOW	7440666
01268	ANTIMONY, (SB), WATER, TOTAL RECOVERABLE (UG/L)	7440360
01291	CYANIDE, FILTERABLE, TOTAL IN WATER (UG/L)	57125
01303	ZINC, POTENTIALLY DISSOLVED WATER (MG/L)	7440666
01304	SILVER, POTENTIALLY DISSOLVED WATER (MG/L)	7440224
01306	COPPER, POTENTIALLY DISSOLVED WATER (MG/L)	7440508
01307	CHROMIUM, HEXAVALENT, POTENT. DISS. WATER (MG/L)	18540299
01309	ARSENIC, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440382
01312	BERYLLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440417
01313	CADMIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440439

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01314	CHROMIUM, TRIVALENT, POTENT., DISS., WATER (MG/L)	16065831
01318	LEAD, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439921
01321	MERCURY, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439976
01322	NICKEL, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440020
01323	SELENIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7782492
01324	THALLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440280
01523	SILVER, IONIC (UG/L)	7440224
22675	SELENIUM, DISSOLVED ORGANIC (UG/L)	7782492
22676	SELENIUM, HEXAVALENT, DISSOLVED (UG/L)	7782492
22677	SELENIUM, TETRAVALENT, DISSOLVED	7782492
22678	ARSENIC, DISSOLVED ORGANIC (UG/L)	7440382
22679	ARSENIC, PENTAVALENT, DISSOLVED (UG/L)	7440382
22680	ARSENIC, TRIVALENT, DISSOLVED (UG/L)	7440382
30197	2-CHLOROETHYLVINYL ETHER,WATER,WHL,RECOVER (UG/L)	110758
30201	CHLOROMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74873
30202	BROMOMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74839
32003	CARBON CHLOROFORM AND CARBON ALCOHOL EXT. (UG/L)	67663
32005	CARBON CHLOROFORM EXTRACTABLES (UG/L)	67663
32021	CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLE (UG/L)	67663
32022	CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES (UG/L)	67663
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	75274
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	56235
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	107062
32104	BROMOFORM, WHOLE WATER, (UG/L)	75252
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	124481
32106	CHLOROFORM, WHOLE WATER (UG/L)	67663
32260	CARBON TETRACHLORIDE EXTRACTABLES (MG/L)	56235
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	67663

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	108883
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	71432
34198	BHC-DELTA, WATER, WHOLE (LBS/DAY)	319868
34200	ACENAPHTHYLENE, TOTAL (UG/L)	208968
34201	ACENAPHTHYLENE, DISSOLVED (UG/L)	208968
34202	ACENAPHTHYLENE, SUSPENDED (UG/L)	208968
34205	ACENAPHTHENE, TOTAL (UG/L)	83329
34206	ACENAPHTHENE, DISSOLVED (UG/L)	83329
34207	ACENAPHTHENE, SUSPENDED (UG/L)	83329
34210	ACROLEIN, TOTAL (UG/L)	107028
34211	ACROLEIN, DISSOLVED (UG/L)	107028
34212	ACROLEIN, SUSPENDED (UG/L)	107028
34215	ACRYLONITRILE, TOTAL (UG/L)	107131
34216	ACRYLONITRILE, DISSOLVED (UG/L)	107131
34217	ACRYLONITRILE, SUSPENDED (UG/L)	107131
34220	ANTHRACENE, TOTAL (UG/L)	120127
34221	ANTHRACENE, DISSOLVED (UG/L)	120127
34222	ANTHRACENE, SUSPENDED (UG/L)	120127
34225	ASBESTOS (FIBROUS) TOTAL (UG/L)	1332214
34226	ASBESTOS (FIBROUS) DISSOLVED (UG/L)	1332214
34227	ASBESTOS (FIBROUS) SUSPENDED (UG/L)	1332214
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	205992
34231	BENZO(B)FLUORANTHENE, DISSOLVED (UG/L)	205992
34232	BENZO(B)FLUORANTHENE, SUSPENDED (UG/L)	205992
34235	BENZENE, DISSOLVED (UG/L)	71432
34236	BENZENE, SUSPENDED (UG/L)	71432
34239	BENZIDINE, DISSOLVED (UG/L)	92875
34240	BENZIDINE, SUSPENDED (UG/L)	92875

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	207089
34243	BENZO(K)FLUORANTHENE, DISSOLVED (UG/L)	207089
34244	BENZO(K)FLUORANTHENE, SUSPENDED (UG/L)	207089
34247	BENZO-A-PYRENE, TOTAL (UG/L)	50328
34248	BENZO-A-PYRENE, DISSOLVED (UG/L)	50328
34249	BENZO-A-PYRENE, SUSPENDED (UG/L)	50328
34253	A-BHC-ALPHA, DISSOLVED (UG/L)	319846
34254	A-BHC-ALPHA, SUSPENDED (UG/L)	319846
34255	B-BHC-BETA, DISSOLVED (UG/L)	319857
34256	B-BHC-BETA, SUSPENDED (UG/L)	319857
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	319868
34260	DELTA BENZENE HEXACHLORIDE, DISSOLVED (UG/L)	319868
34261	DELTA BENZENE HEXACHLORIDE, SUSPENDED (UG/L)	319868
34265	R-BHC (LINDANE) GAMMA, DISSOLVED (UG/L)	58899
34266	R-BHC (LINDANE) GAMMA, SUSPENDED (UG/L)	58899
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	111444
34274	BIS (2-CHLOROETHYL) ETHER, DISSOLVED (UG/L)	111444
34275	BIS (2-CHLOROETHYL) ETHER, SUSPENDED (UG/L)	111444
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	111911
34279	BIS (2-CHLOROETHOXY) METHANE, DISSOLVED (UG/L)	111911
34280	BIS (2-CHLOROETHOXY) METHANE, SUSPENDED (UG/L)	111911
34288	BROMOFORM, DISSOLVED (UG/L)	75252
34289	BROMOFORM, SUSPENDED (UG/L)	75252
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	85687
34293	N-BUTYL BENZYL PHTHALATE, DISSOLVED (UG/L)	85687
34294	N-BUTYL BENZYL PHTHALATE, SUSPENDED (UG/L)	85687
34297	CARBON TETRACHLORIDE, DISSOLVED (UG/L)	56235
34298	CARBON TETRACHLORIDE, SUSPENDED (UG/L)	56235

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34301	CHLOROBENZENE, TOTAL (UG/L)	108907
34302	CHLOROBENZENE, DISSOLVED (UG/L)	108907
34303	CHLOROBENZENE, SUSPENDED (UG/L)	108907
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	124481
34307	CHLORODIBROMOMETHANE, DISSOLVED (UG/L)	124481
34308	CHLORODIBROMOMETHANE, SUSPENDED (UG/L)	124481
34311	CHLOROETHANE, TOTAL (UG/L)	75003
34312	CHLOROETHANE, DISSOLVED (UG/L)	75003
34313	CHLOROETHANE, SUSPENDED (UG/L)	75003
34316	CHLOROFORM, DISSOLVED (UG/L)	67663
34317	CHLOROFORM, SUSPENDED (UG/L)	67663
34320	CHRYSENE, TOTAL (UG/L)	218019
34321	CHRYSENE, DISSOLVED (UG/L)	218019
34322	CHRYSENE, SUSPENDED (UG/L)	218019
34325	CYANIDE, SUSPENDED (MG/L)	57125
34327	DI-N-BUTYL PHTHALATE, DISSOLVED (UG/L)	84742
34328	DICHLOROBROMOMETHANE, DISSOLVED (UG/L)	75274
34329	DICHLOROBROMOMETHANE, SUSPENDED (UG/L)	75274
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	84662
34337	DIETHYL PHTHALATE, DISSOLVED (UG/L)	84662
34338	DIETHYL PHTHALATE, SUSPENDED (UG/L)	84662
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	131113
34342	DIMETHYL PHTHALATE, DISSOLVED (UG/L)	131113
34343	DIMETHYL PHTHALATE, SUSPENDED (UG/L)	131113
34346	1,2-DIPHENYLHYDRAZINE, TOTAL (UG/L)	122667
34347	1,2-DIPHENYLHYDRAZINE, DISSOLVED (UG/L)	122667
34348	1,2-DIPHENYLHYDRAZINE, SUSPENDED (UG/L)	122667
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	1031078

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34352	ENDOSULFAN SULFATE, DISSOLVED (UG/L)	1031078
34353	ENDOSULFAN SULFATE, SUSPENDED (UG/L)	1031078
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	33213659
34357	ENDOSULFAN, BETA, DISSOLVED (UG/L)	33213659
34358	ENDOSULFAN, BETA, SUSPENDED (UG/L)	33213659
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	959988
34362	ENDOSULFAN, ALPHA, DISSOLVED (UG/L)	959988
34363	ENDOSULFAN, ALPHA, SUSPENDED (UG/L)	959988
34371	ETHYLBENZENE, TOTAL (UG/L)	100414
34372	ETHYLBENZENE, DISSOLVED (UG/L)	100414
34373	ETHYLBENZENE, SUSPENDED (UG/L)	100414
34376	FLUORANTHENE, TOTAL (UG/L)	206440
34377	FLUORANTHENE, DISSOLVED (UG/L)	206440
34378	FLUORANTHENE, SUSPENDED (UG/L)	206440
34381	FLUORENE, TOTAL (UG/L)	86737
34382	FLUORENE, DISSOLVED (UG/L)	86737
34383	FLUORENE, SUSPENDED (UG/L)	86737
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	77474
34387	HEXACHLOROCYCLOPENTADIENE, DISSOLVED (UG/L)	77474
34388	HEXACHLOROCYCLOPENTADIENE, SUSPENDED (UG/L)	77474
34391	HEXACHLOROBUTADIENE, TOTAL (UG/L)	87683
34392	HEXACHLOROBUTADIENE, DISSOLVED (UG/L)	87683
34393	HEXACHLOROBUTADIENE, SUSPENDED (UG/L)	87683
34396	HEXACHLOROETHANE, TOTAL (UG/L)	67721
34397	HEXACHLOROETHANE, DISSOLVED (UG/L)	67721
34398	HEXACHLOROETHANE, SUSPENDED (UG/L)	67721
34401	HEXACHLOROBENZENE, DISSOLVED (UG/L)	118741
34402	HEXACHLOROBENZENE, SUSPENDED (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	193395
34404	INDENO (1,2,3-CD) PYRENE, DISSOLVED (UG/L)	193395
34405	INDENO (1,2,3-CD) PYRENE, SUSPENDED (UG/L)	193395
34408	ISOPHORONE, TOTAL (UG/L)	78591
34409	ISOPHORONE, DISSOLVED (UG/L)	78591
34410	ISOPHORONE, SUSPENDED (UG/L)	78591
34413	METHYL BROMIDE, TOTAL (UG/L)	74839
34414	METHYL BROMIDE, DISSOLVED (UG/L)	74839
34415	METHYL BROMIDE, SUSPENDED (UG/L)	74839
34418	METHYL CHLORIDE, TOTAL (UG/L)	74873
34419	METHYL CHLORIDE, DISSOLVED (UG/L)	74873
34420	METHYL CHLORIDE, SUSPENDED (UG/L)	74873
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	75092
34424	METHYLENE CHLORIDE, DISSOLVED (UG/L)	75092
34425	METHYLENE CHLORIDE, SUSPENDED (UG/L)	75092
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	621647
34429	N-NITROSODI-N-PROPYLAMINE, DISSOLVED (UG/L)	621647
34430	N-NITROSODI-N-PROPYLAMINE, SUSPENDED (UG/L)	621647
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	86306
34434	N-NITROSODIPHENYLAMINE, DISSOLVED (UG/L)	86306
34435	N-NITROSODIPHENYLAMINE, SUSPENDED (UG/L)	86306
34438	N-NITROSODIMETHYLAMINE, TOTAL (UG/L)	62759
34439	N-NITROSODIMETHYLAMINE, DISSOLVED (UG/L)	62759
34440	N-NITROSODIMETHYLAMINE, SUSPENDED (UG/L)	62759
34443	NAPHTHALENE, DISSOLVED (UG/L)	91203
34444	NAPHTHALENE, SUSPENDED (UG/L)	91203
34447	NITROBENZENE, TOTAL (UG/L)	98953
34448	NITROBENZENE, DISSOLVED (UG/L)	98953

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34449	NITROBENZENE, SUSPENDED (UG/L)	98953
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	59507
34453	PARACHLOROMETA CRESOL, DISSOLVED (UG/L)	59507
34454	PARACHLOROMETA CRESOL, SUSPENDED (UG/L)	59507
34457	PCB - 1242, DISSOLVED (UG/L)	53469219
34458	PCB - 1242, SUSPENDED (UG/L)	53469219
34459	PCP (PENTACHLOROPHENOL), DISSOLVED (UG/L)	87865
34460	PCP (PENTACHLOROPHENOL), SUSPENDED (UG/L)	87865
34461	PHENANTHRENE, TOTAL (UG/L)	85018
34462	PHENANTHRENE, DISSOLVED (UG/L)	85018
34463	PHENANTHRENE, SUSPENDED (UG/L)	85018
34466	PHENOL, DISSOLVED (UG/L)	108952
34467	PHENOL, SUSPENDED (UG/L)	108952
34469	PYRENE, TOTAL (UG/L)	129000
34470	PYRENE, DISSOLVED (UG/L)	129000
34471	PYRENE, SUSPENDED (UG/L)	129000
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	127184
34476	TETRACHLOROETHYLENE, DISSOLVED (UG/L)	127184
34477	TETRACHLOROETHYLENE, SUSPENDED (UG/L)	127184
34481	TOLUENE, DISSOLVED (UG/L)	108883
34482	TOLUENE, SUSPENDED (UG/L)	108883
34485	TRICHLOROETHYLENE, DISSOLVED (UG/L)	79016
34486	TRICHLOROETHYLENE, SUSPENDED (UG/L)	79016
34493	VINYL CHLORIDE, DISSOLVED (UG/L)	75014
34494	VINYL CHLORIDE, SUSPENDED (UG/L)	75014
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	75343
34497	1,1-DICHLOROETHANE, DISSOLVED (UG/L)	75343
34498	1,1-DICHLOROETHANE, SUSPENDED (UG/L)	75343

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	75354
34502	1,1-DICHLOROETHYLENE, DISSOLVED (UG/L)	75354
34503	1,1-DICHLOROETHYLENE, SUSPENDED (UG/L)	75354
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	71556
34507	1,1,1-TRICHLOROETHANE, DISSOLVED (UG/L)	71556
34508	1,1,1-TRICHLOROETHANE, SUSPENDED (UG/L)	71556
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	79005
34512	1,1,2-TRICHLOROETHANE, DISSOLVED (UG/L)	79005
34513	1,1,2-TRICHLOROETHANE, SUSPENDED (UG/L)	79005
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	79345
34517	1,1,2,2-TETRACHLOROETHANE, DISSOLVED (UG/L)	79345
34518	1,1,2,2-TETRACHLOROETHANE, SUSPENDED (UG/L)	79345
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	191242
34522	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, DISS. (UG/L)	191242
34523	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, SUSP. (UG/L)	191242
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	56553
34527	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, DISS. (UG/L)	56553
34528	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, SUSP. (UG/L)	56553
34531	1,2-DICHLOROETHANE, TOTAL (UG/L)	107062
34532	1,2-DICHLOROETHANE, DISSOLVED (UG/L)	107062
34533	1,2-DICHLOROETHANE, SUSPENDED (UG/L)	107062
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	95501
34537	1,2-DICHLOROBENZENE, DISSOLVED (UG/L)	95501
34538	1,2-DICHLOROBENZENE, SUSPENDED (UG/L)	95501
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	78875
34542	1,2-DICHLOROPROPANE, DISSOLVED (UG/L)	78875
34543	1,2-DICHLOROPROPANE, SUSPENDED (UG/L)	78875
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	156605

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34547	TRANS-1,2-DICHLOROETHENE, DISSOLVED (UG/L)	156605
34548	TRANS-1,2-DICHLOROETHENE, SUSPENDED (UG/L)	156605
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	120821
34552	1,2,4-TRICHLOROBENZENE, DISSOLVED (UG/L)	120821
34553	1,2,4-TRICHLOROBENZENE, SUSPENDED (UG/L)	120821
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	53703
34557	1,2,5,6-DIBENZANTHRACENE, DISSOLVED (UG/L)	53703
34558	1,2,5,6-DIBENZANTHRACENE, SUSPENDED (UG/L)	53703
34561	1,3-DICHLOROPROPENE, TOTAL (UG/L)	542756
34562	1,3-DICHLOROPROPENE, DISSOLVED (UG/L)	542756
34563	1,3-DICHLOROPROPENE, SUSPENDED (UG/L)	542756
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	541731
34567	1,3-DICHLOROBENZENE, DISSOLVED (UG/L)	541731
34568	1,3-DICHLOROBENZENE, SUSPENDED (UG/L)	541731
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	106467
34572	1,4-DICHLOROBENZENE, DISSOLVED (UG/L)	106467
34573	1,4-DICHLOROBENZENE, SUSPENDED (UG/L)	106467
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	110758
34577	2-CHLOROETHYL VINYL ETHER, DISSOLVED (UG/L)	110758
34578	2-CHLOROETHYL VINYL ETHER, SUSPENDED (UG/L)	110758
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	91587
34582	2-CHLORONAPHTHALENE, DISSOLVED (UG/L)	91587
34583	2-CHLORONAPHTHALENE, SUSPENDED (UG/L)	91587
34586	2-CHLOROPHENOL, TOTAL (UG/L)	95578
34587	2-CHLOROPHENOL, DISSOLVED (UG/L)	95578
34588	2-CHLOROPHENOL, SUSPENDED (UG/L)	95578
34591	2-NITROPHENOL, TOTAL (UG/L)	88755
34592	2-NITROPHENOL, DISSOLVED (UG/L)	88755

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34593	2-NITROPHENOL, SUSPENDED (UG/L)	88755
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	117840
34597	DI-N-OCTYL PHTHALATE, DISSOLVED (UG/L)	117840
34598	DI-N-OCTYL PHTHALATE, SUSPENDED (UG/L)	117840
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	120832
34602	2,4-DICHLOROPHENOL, DISSOLVED (UG/L)	120832
34603	2,4-DICHLOROPHENOL, SUSPENDED (UG/L)	120832
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	105679
34607	2,4-DIMETHYLPHENOL, DISSOLVED (UG/L)	105679
34608	2,4-DIMETHYLPHENOL, SUSPENDED (UG/L)	105679
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	121142
34612	2,4-DINITROTOLUENE, DISSOLVED (UG/L)	121142
34613	2,4-DINITROTOLUENE, SUSPENDED (UG/L)	121142
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	51285
34617	2,4-DINITROPHENOL, DISSOLVED (UG/L)	51285
34618	2,4-DINITROPHENOL, SUSPENDED (UG/L)	51285
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	88062
34622	2,4,6-TRICHLOROPHENOL, DISSOLVED (UG/L)	88062
34623	2,4,6-TRICHLOROPHENOL, SUSPENDED (UG/L)	88062
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	606202
34627	2,6-DINITROTOLUENE, DISSOLVED (UG/L)	606202
34628	2,6-DINITROTOLUENE, SUSPENDED (UG/L)	606202
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	91941
34632	3,3'-DICHLOROBENZIDINE, DISSOLVED (UG/L)	91941
34633	3,3'-DICHLOROBENZIDINE, SUSPENDED (UG/L)	91941
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	101553
34637	4-BROMOPHENYL PHENYL ETHER, DISSOLVED (UG/L)	101553
34638	4-BROMOPHENYL PHENYL ETHER, SUSPENDED (UG/L)	101553

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	7005723
34642	4-CHLOROPHENYL PHENYL ETHER, DISSOLVED (UG/L)	7005723
34643	4-CHLOROPHENYL PHENYL ETHER, SUSPENDED (UG/L)	7005723
34646	4-NITROPHENOL, TOTAL (UG/L)	100027
34647	4-NITROPHENOL, DISSOLVED (UG/L)	100027
34648	4-NITROPHENOL, SUSPENDED (UG/L)	100027
34651	P,P'-DDD, DISSOLVED (UG/L)	72548
34652	P,P'-DDD, SUSPENDED (UG/L)	72548
34653	P,P'-DDE, DISSOLVED (UG/L)	72559
34654	P,P'-DDE, SUSPENDED (UG/L)	72559
34655	P,P'-DDT, DISSOLVED (UG/L)	50293
34656	P,P'-DDT, SUSPENDED (UG/L)	50293
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	534521
34658	DNOC (4,6-DINITRO-ORTHO-CRESOL), DISSOLVED (UG/L)	534521
34659	DNOC (4,6-DINITRO-ORTHO-CRESOL), SUSPENDED (UG/L)	534521
34662	PCB - 1221, DISSOLVED (UG/L)	11104282
34663	PCB - 1221, SUSPENDED (UG/L)	11104282
34665	PCB - 1232, DISSOLVED (UG/L)	11141165
34666	PCB - 1232, SUSPENDED (UG/L)	11141165
34671	PCB - 1016, TOTAL (UG/L)	12674112
34672	PCB - 1016, DISSOLVED (UG/L)	12674112
34673	PCB - 1016, SUSPENDED (UG/L)	12674112
34675	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD),TOT(UG/L)	1746016
34676	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(UG/L)	1746016
34677	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(UG/L)	1746016
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	108952
34696	NAPHTHALENE, TOTAL (UG/L)	91203
34750	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)TOT(PG/L)	1746016

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34751	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(PG/L)	1746016
34752	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(PG/L)	1746016
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	87865
39039	HEXACHLOROBENZENE WATER SAMPLE,ELECTRON CPT (UG/L)	118741
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	117817
39103	BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED, (UG/L)	117817
39104	BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED, (UG/L)	117817
39107	PHTHALATES,DIETHYLHEXYL SUS.FRAC.WTR DWT (MG/KG)	117817
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	84742
39114	DI-N-BUTYL PHTHALATE, SUSPENDED (UG/L)	84742
39115	PHTHALATES,DIBUTYL SUS.FRAC.WATER DWT (UG/KG)	84742
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	92875
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	75014
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	79016
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	309002
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP. (UG/L)	309002
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP. (UG/L)	309002
39336	BHC-ALPHA, WATER, WHOLE (LBS/DAY)	319846
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319846
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319857
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	58899
39341	GAMMA-BHC(LINDANE), DISSOLVED (UG/L)	58899
39342	GAMMA-BHC(LINDANE), SUSPENDED (UG/L)	58899
39344	BHC-GAMMA, WATER, WHOLE (LBS/DAY)	58899
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	57749

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39352	CHLORDANE(TECH MIX & METABS), DISSOLVED (UG/L)	57749
39353	CHLORDANE(TECH MIX & METABS), SUSPENDED (UG/L)	57749
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39361	DDD IN FILT. FRAC. OF WATER SMAPLE (UG/L)	72548
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72548
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39366	DDE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72559
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72559
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39371	DDT IN FILT. FRAC. OF WATER SAMPLE (UG/L)	50293
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	50293
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	60571
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	60571
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	60571
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	72208
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72208
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72208
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	8001352
39401	TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	8001352
39402	TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	8001352
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	76448
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE (UG/L)	76448
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	76448
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	1024573
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WAT. SAM. (UG/L)	1024573
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WAT. SAM. (UG/L)	1024573
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	11104282
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11141165

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	53469219
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	12672296
39501	PCB - 1248 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	12672296
39502	PCB - 1248 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	12672296
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11097691
39505	PCB - 1254 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11097691
39506	PCB - 1254 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11097691
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11096825
39509	PCB - 1260 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11096825
39510	PCB - 1260 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11096825
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	118741
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	87683
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	58899
39920	DNOC IN WHOLE WATER SAMPLE (UG/L)	534521
46322	LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE (UG/L)	58899
46323	DELTA-BHC IN WHOLE WATER SAMPLE (UG/L)	319868
46326	HEPTACHLOR AND METABOLITES IN WH. H2O SAMP. (UG/L)	76448
46479	CYANIDE, DISSOLVED, WATER (UG/L)	57125
46551	ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILT. (UG/L)	7440382
46559	CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER (UG/L-CD)	7440439
46560	CHROMIUM, FIELD ACIDIFIED-HN03-LAB FILT. (UG/L-CR)	7440473
46562	COPPER, FIELD ACIDIFIED-HNO3-LAB FILTER. (UG/L-CU)	7440508
46564	LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED (UG/L-PB)	7439921
46566	SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.(UG/L-AG)	7440224
46567	ZINC, EXTRACT. FIELD ACID W/HNO3, LAB FILT. (UG/L)	7440666
70012	PARACHLOROMETA CRESOL, WATER, WHOLE (LBS/DAY)	59507
70017	HEXACHLOROCYCLOPENTADIENE, WATER, WHOLE (LBS/DAY)	77474
70021	LEAD, (TCLP), WATER, TOTAL (MG/L)	7439921

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
71890	MERCURY, DISSOLVED (UG/L AS HG)	7439976
71895	MERCURY, SUSPENDED (UG/L AS HG)	7439976
71900	MERCURY, TOTAL (UG/L AS HG)	7439976
71901	MERCURY, TOTAL RECOVERABLE IN WATER AS HG (UG/L)	7439976
71946	CADMIUM, EXTRACTABLE (UG/L AS CD)	7440439
71947	CHROMIUM, EXTRACTABLE (UG/L AS CR)	7440473
71949	LEAD, EXTRACTABLE (UG/L AS PB)	7439921
71950	ZINC, EXTRACTABLE (UG/L AS ZN)	7440666
71951	COPPER, EXTRACTABLE (UG/L AS CU)	7440508
73063	CHLOROGUAIACOL,4-, TOTAL, WATER (UG/L)	16766306
73522	PROPANE, 2,2'-OXYBIS(1-CHLORO)- TOTAL (UG/L)	108601
77163	1,3-DICHLOROPROPENE-1, WHOLE WATER (UG/L)	542756
77354	1,1-DICHLORO-2,2-DIFLUOROETHANE WHOLE WATER (UG/L)	471432
77771	3-CHLORO-4-HYDROXYBENZOPHENONE, WHOLE WATER (UG/L)	55191203
78113	ETHYL BENZENE WHOLE WATER SAMPLE (UG/L)	100414
78124	BENZENE IN WATER (VOLATILE ANALYSIS) (UG/L)	71432
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) (UG/L)	108883
78208	2,4-DINITRO-O-CRESOL IN WHOLE WATER SAMPLE (UG/L)	534521
78247	CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE, WT (UG/L)	18540299
78248	CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE (UG/L)	57125
80357	CHROMIUM, TRIVALENT, DISSOLVED, AS CR	16065831
81208	CYANIDE, FREE (NOT AMEN. TO CHLORINATION) (MG/L)	57125
81210	CYANIDE - STATE OF ILLINOIS (MG/L)	57125
81214	CADMIUM - STATE OF ILLINOIS (MG/L)-COLD	7440439
81215	CHROMIUM - STATE OF ILLINOIS (MG/L), COLD DIGEST	18540299
81216	CHROMIUM(TRI)-STATE OF ILLINOIS (MG/L)-COLD DIGEST	16065831
81217	CHROMIUM, TOTAL - STATE OF ILLINOIS (MG/L) COLD DIGEST	7440473
81218	COPPER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
81220	LEAD, STATE OF ILLINOIS, MG/L, COLD DIGEST	7439921
81222	NICKEL - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440020
81223	SILVER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440224
81224	ZINC - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440666
81642	SILVER (AG) IN WATER POUNDS PER DAY (LBS/DAY)	7440224
81750	COPPER, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440508
81751	LEAD, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7439921
81752	NICKEL, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440020
81753	CADMIUM, INTERSTITIAL WATER FROM SEDIMENT	7440439
81754	ZINC, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440666
81766	HEPTACHLOR EPOXIDE IN EPILITHIC ALGAE SED. (UG/KG)	1024573
81931	MERCURY (HG) SUSPENDED FRACTION OF WATER (UG/G)	7439976
81932	CADMIUM (CD) SUSPENDED FRACTION OF WATER (UG/G)	7440439
81933	ZINC (ZN) SUSPENDED FRACTION OF WATER (UG/G)	7440666
81934	LEAD (PB) SUSPENDED FRACTION OF WATER (UG/G)	7439921
81936	LEAD (PB) DISSOLVED CATIONIC SPECIES (UG/L)	7439921
81937	CADMIUM (CD) DISSOLVED CATIONIC SPECIES (UG/L)	7440439
81938	CHROMIUM, DISSOLVED CATIONIC SPECIES (UG/L)	7440473
81939	COPPER (CU) DISSOLVED CATIONIC SPECIES (UG/L)	7440508
81940	ZINC (ZN) DISSOLVED CATIONIC SPECIES (UG/L)	7440666
81941	CHROMIUM, DISSOLVED ANIONIC SPECIES (UG/L)	7440473
81942	COPPER (CU) DISSOLVED ANIONIC SPECIES (UG/L)	7440508
81943	ZINC (ZN) DISSOLVED ANIONIC SPECIES (UG/L)	7440666
82058	CHROMIUM, TOTAL, PERCENT REMOVAL	7440473
82399	CHROMIUM, HEXAVALENT (KG/BATCH)	18540299
82512	M,P-DICHLOROBENZENE (MEASURES 1,3&1,4) TOT. (UG/L)	541731
82573	CYANIDE/CHLORINATION IN WATER (MG/L)	57125
82621	HEXACHLOROBENZENE, WATER, TOTAL RECOVER. (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
82622	ENDRIN ALDEHYDE, WH. WATER, TOTAL RECOVER. (UG/L)	7421934
82623	ENDOSULFAN SULFATE, WATER, TOTAL RECOVER. (UG/L)	1031078
82624	ENDOSULFAN, BETA, WH. WATER, TOTAL RECOVER. (UG/L)	33213659
82626	1,2-DIPHENYLHYDRAZINE, WATER, TOTAL RECOVER. (UG/L)	122667
82627	PARACHLOROMETA CRESOL, WATER, TOTAL RECOVER. (UG/L)	59507
85006	ZINC, TOTAL - (#/DAY)	7440666
85007	CHROMIUM, TOTAL (#/DAY)	7440473
85010	NICKEL, TOTAL - (#/DAY)	7440020
85013	MERCURY, TOTAL - (#/DAY)	7439976

Appendix H

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As the nation's principal conservation agency, the Department of the Interior has the responsibility for most of our nationally owned public lands and natural and cultural resources. This includes fostering wise use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people. The Department also promotes the goals of the Take Pride in America campaign by encouraging stewardship and citizen responsibility for the public lands and promoting citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.

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