Baseline Water Quality Data

Inventory and Analysis

Allegheny Portage Railroad National Historic Site and Johnstown Flood National Memorial



Water Resources Division and Servicewide Inventory and Monitoring Program

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

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BASELINE WATER QUALITY DATA

INVENTORY AND ANALYSIS

ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE AND JOHNSTOWN FLOOD NATIONAL MEMORIAL

National Park Service
Water Resources Division
Fort Collins, CO 80525

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EXECUTIVE SUMMARY

This document presents the results of surface-water-quality data retrievals for Allegheny Portage Railroad National Historic Site (ALPO) and Johnstown Flood National Memorial (JOFL) from six of the United States Environmental Protection Agency's (EPA) national databases: (1) Storage and Retrieval (STORET) water quality database management system; (2) River Reach File (RF3); (3) Industrial Facilities Discharge (IFD); (4) Drinking Water Supplies (DRINKS); (5) Water Gages (GAGES); and (6) Water Impoundments (DAMS). This document is one product resulting from a cooperative contractual endeavor between the National Park Service's (NPS) Servicewide Inventory and Monitoring Program, the National Park Service's Water Resources Division (WRD), and Horizon Systems Corporation to retrieve, format, and analyze surface water quality data for all units of the National Park System containing significant water resources. The primary goal of the project is to provide descriptive water quality information in a manner and format that is both consistent with the goals of the Servicewide Inventory and Monitoring Program and useable by park resource managers. The document provides: (1) a complete inventory of all retrieved water quality parameter data, water quality stations, and the entities responsible for the data collection; (2) descriptive statistics and appropriate graphical plots of water quality data characterizing period of record, annual, and seasonal central tendencies and trends; (3) a comparison of the park's water quality data to relevant EPA and WRD water quality screening criteria; and (4) an Inventory Data Evaluation and Analysis (IDEA) to determine what Servicewide Inventory and Monitoring Program "Level I" water quality parameters have been measured within the study area. Accompanying the report 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 ALPO and JOFL study area from the IFD, DRINKS, GAGES, and DAMS databases located 57 industrial/municipal dischargers; 27 drinking water intakes; ten active or inactive U. S. Geological Survey (USGS) and U. S. Army Corps of Engineers (COE) water gages (including stream and well); and 14 water impoundments. The results of the STORET retrieval for the study area yielded 30,932 observations for 498 separate parameters collected by the NPS, USGS, EPA, COE, and Pennsylvania Department of Environmental Protection (PDEP) at 381 monitoring stations from 1926 through 1997. Approximately 46 percent of the 30,932 observations collected within the study area were reported by the PDEP from 1950 through 1996. Of the 381 monitoring stations, 18 stations, established in STORET by the NPS, were located within park boundaries (see Station Period of Record Tabulation). Fifteen of these 18 stations were located within the ALPO park boundary and three stations were located within the JOFL park boundary. One of the 381 monitoring stations contained data locked by the EPA[†]. These locked data are not included in the 30,932 total observations retrieved from STORET for the study area. Nine stations within the study area (none within park boundaries) were established but contained no data.

Most of the monitoring stations represent either one-time or intensive single-year sampling efforts by the collecting agencies. Thirty-two stations within the study area (none within park boundaries) yielded longer-term records consisting of multiple observations for several important water quality parameters (see Station Period of Record Tabulation). The stations yielding the longest-term records within the study area, but outside of the park boundaries, are: (1) Little Conemaugh River at the State Route 271 Bridge in Franklin/Johnstown (ALPO 0334); (2) Stony Creek at the Route 53 (State Route 403) Bridge near Ferndale (ALPO 0348); (3) Stony Creek at Ferndale (ALPO 0351); (4) Spring/Allegheny #261021 (ALPO 0022); (5) Duncansville Reservoir, Spring/Allegheny #261024 (ALPO 0016); (6) Altoona Water Plant, Spring/Logan #261020 (ALPO 0010); (7) Gallitzen, Spring/Juniata #261029 (ALPO0021); and (8) Spring Acid Mine Drainage/Logan #261019 (ALPO 0018)[††].

[†]When data are entered into STORET and locked by the controlling agency (EPA), results of a STORET retrieval are limited to general station information and any "unlocked" portions of the data. Additional data must be obtained by contacting the controlling agency. This locked station, stored under the agency code "11TRAIN", was used by the EPA for testing STORET data processing procedures.

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

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 ALPO and JOFL water quality criteria screen found 17 groups of parameters that exceeded screening criteria at least once within the study area. Dissolved oxygen, pH, cyanide, cadmium, copper, lead, and zinc exceeded their respective EPA criteria for the protection of freshwater aquatic life. Cyanide, sulfate, nitrate, antimony, beryllium, cadmium, lead, nickel, and thallium exceeded their respective EPA drinking water criteria. Fecal-indicator bacteria concentrations (total coliform and fecal coliform) and turbidity exceeded the WRD screening limits for freshwater bathing and aquatic life, respectively. Alkalinity was below the threshold used by the NPS Air Resources Division for determining potential sensitivity to acid deposition (buffering capacity).

Dissolved oxygen concentrations were measured 636 times at 117 monitoring stations from 1962 through 1997. Of the 620 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 94 concentrations at 47 stations were less than or equal to the 4 milligrams per liter (mg/L) EPA criterion for the protection of freshwater aquatic life from 1964 through 1995.

The pH was measured 2,498 times at 354 monitoring stations from 1950 through 1997. Two-thousand-one-hundred-eighty-six observations at 316 stations were outside the pH range of 6.5 to 9.0 standard units (SU) (EPA chronic criteria for freshwater aquatic life) from 1950 through 1997. Two-thousand-one-hundred-eighty observations were less than or equal to pH 6.5 from 1950 through 1997 and six observations were greater than or equal to pH 9.0 from 1993 through 1995. The lowest pH of 0.45 SU was reported in Stony Creek at the Route 53 (State Route 403) Bridge near Ferndale (ALPO 0348) in July 1970. The highest pH of 10.6 SU was reported at a mine discharge point along Sulfur Creek east of Krayn (ALPO 0182) in August 1993.

Turbidity was measured 635 times at 37 monitoring stations from 1962 through 1997. Seventy-four observations at 16 stations exceeded the WRD screening criterion of 50 Jackson Candle/Formazin/Nephelometric Turbidity Units (JTU/FTU/NTU) from 1962 through 1997. Approximately 54 percent of the observations exceeding the criterion were collected in the Little Conemaugh River at the State Route 271 Bridge in Franklin/Johnstown (ALPO 0334) from 1962 through 1986, including the highest reported value of 1,330 NTU in August 1984.

Total coliform concentrations were measured 65 times at two monitoring stations (ALPO 0334, ALPO 0348) from 1962 through 1971. Ten observations, ranging from 1,300 Most Probable Number per 100 milliliters (MPN/100 ml) to 11,000 MPN/100 ml at these two stations, Little Conemaugh River at the State Route 271 Bridge in Franklin/Johnstown (ALPO 0334) and Stony Creek at the Route 53 (State Route 403) Bridge near Ferndale (ALPO 0348), exceeded the WRD bathing water screening criterion of 1,000 Colony Forming Units/Most Probable Number per 100 milliliters (CFU/MPN/100 ml) from 1963 through 1969. The highest value of 11,000 MPN/100 ml was reported twice in the Little Conemaugh River at the State Route 271 Bridge in Franklin/Johnstown (ALPO 0334) in January 1964 and September 1965. Fecal coliform concentrations were determined 502 times at four monitoring stations (ALPO 0239, ALPO 0334, ALPO 0348 ALPO 0350) from 1971 through 1993. Seventy-four concentrations at two stations, in the Little Conemaugh River at the State Route 271 Bridge in Franklin/Johnstown (ALPO 0334) and Stony Creek at the Route 53 (State Route 403) Bridge near Ferndale (ALPO 0348), exceeded the WRD bathing water screening criterion of 200 CFU/MPN/100 ml from 1978 through 1987. The highest value of at least 6,000 CFU/100 ml was reported twice, in Stony Creek at the Route 53 (State Route 403) Bridge near Ferndale (ALPO 0348) and the Little Conemaugh River at the State Route 271 Bridge in Franklin/Johnstown (ALPO 0334), in August 1979 and August 1984, respectively.

Total alkalinity was determined by low-level (less than 10 mg/L as $CaCO_3$) gran analysis eight times at four monitoring stations (ALPO 0130, ALPO 0203, ALPO 0275, ALPO 0281) during 1986. Six concentrations, ranging from -342.4 microequivalents per liter (µeq/L) to 135.6 µeq/L at three stations, in the Little Conemaugh

River (ALPO 0130, ALPO 0203) and Little Paint Creek (ALPO 0281), were below the NPS Air Resources Division's 200 microequivalents per liter (µeq/L) threshold, indicating sensitivity to acid deposition. The lowest value of -342.4 µeq/L was reported in the Little Conemaugh River at the State Route 160 Bridge in Wilmore (ALPO 0203) in May 1986.

Cyanide concentrations (including free in water and wastewaters and total) were measured 393 times at six monitoring stations (ALPO 0334, ALPO 0346, ALPO 0348, ALPO 0351, ALPO 0352, ALPO 0358) from 1966 through 1988. Of the 392 observations used in the criteria analysis (see Remark Code Screen in the Methodology for explanation), 71 concentrations at two stations, Little Conemaugh River at the State Route 271 Bridge in Franklin/Johnstown (ALPO 0334) and Stony Creek at the Route 53 (State Route 403) Bridge near Ferndale (ALPO 0348), exceeded the acute freshwater criterion of 0.022 mg/L from 1968 through 1985. Nine of these 71 observations also exceeded the drinking water criterion of 0.2 mg/L from 1977 through 1981. The highest concentration of 0.91 mg/L was reported in the Little Conemaugh River at the State Route 271 Bridge in Franklin/Johnstown (ALPO 0334) in June 1977.

Sulfate concentrations (including dissolved and total) were measured 1,485 times at 353 monitoring stations from 1926 through 1997. Six-hundred-eighty concentrations at 196 monitoring stations exceeded the secondary drinking water criterion of 250 mg/L from 1950 through 1996. The highest concentration of 18,806 mg/L was reported at a mine discharge point along Spring Run northeast of Portage (ALPO 0146) in October 1994.

Nitrate concentrations (including dissolved and total as N and dissolved and total as NO_3) were measured 586 times at 33 monitoring stations from 1926 through 1996. Three concentrations at two stations in Johnstown/Ferndale (ALPO 0350, ALPO 0348) exceeded the drinking water criteria of 10 mg/L for nitrate as N or 44 mg/L for nitrate as NO_3 during 1965 and 1971. Two nitrate as N concentrations, 34 mg/L in Stony Creek at the Route 53 (State Route 403) Bridge near Ferndale (ALPO 0348) and 16.71 mg/L in the Little Conemaugh River in Johnstown (ALPO 0350), exceeded the drinking water criterion of 10 mg/L for nitrate as N in June 1965 and July 1971, respectively. One dissolved nitrate as NO_3 concentration of 74 mg/L, reported in the Little Conemaugh River in Johnstown (ALPO 0350), exceeded the drinking water criterion of 44 mg/L for nitrate as NO_3 in July 1971.

Antimony concentrations (including dissolved and total) were measured seven times at four monitoring stations (ALPO 0346, ALPO 0351, ALPO 0352, ALPO 0358) during 1981 and 1997. Three total observations, ranging from 25 micrograms per liter (µg/L) to 38 µg/L at three stations in Johnstown, Stony Creek (ALPO 0346), Little Conemaugh River (ALPO 0352), and Conemaugh River (ALPO 0358), exceeded the drinking water criterion of 6 µg/L during 1981. The highest concentration of 38 µg/L was reported in Stony Creek at the Hickory Street Bridge (ALPO 0346) in April 1981.

Beryllium concentrations (including dissolved and total) were measured ten times at four monitoring stations (ALPO 0346, ALPO 0351, ALPO 0352, ALPO 0358) during 1981 and 1997. Four total concentrations, ranging from 4.7 µg/L to 10.6 µg/L at three stations in Johnstown, Stony Creek (ALPO 0346), Little Conemaugh River (ALPO 0352), and Conemaugh River (ALPO 0358), exceeded the drinking water criterion of 4.0 µg/L during 1981. The highest concentration of 10.6 µg/L was reported in Stony Creek at the Hickory Street Bridge (ALPO 0346) in February 1981.

Cadmium concentrations (including dissolved and total) were measured 137 times at 12 monitoring stations from 1974 through 1997. Of the 41 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), one total concentration of 11 µg/L in the Little Conemaugh River in Johnstown (ALPO 0352) exceeded the acute freshwater criterion of 3.9 µg/L and the drinking water criterion of 5.0 µg/L in December 1980.

Copper concentrations (including dissolved and total) were measured 139 times at 12 monitoring stations from 1974 through 1997. Thirty-three total concentrations at eight stations, at springs between Tunnelhill and Altoona (ALPO 0004, ALPO 0010, ALPO 0018, ALPO 0022), the Little Conemaugh River (ALPO 0334, ALPO 0352), Stony Creek at the Route 53 (State Route 403) Bridge near Ferndale (ALPO 0348), and the Conemaugh River in

Johnstown (ALPO 0358), equaled or exceeded the acute freshwater criterion of 18 µg/L from 1974 through 1996. The highest concentration of 60 µg/L was reported twice in Stony Creek at the Route 53 (State Route 403) Bridge near Ferndale (ALPO 0348) in June 1974 and August 1986.

Lead concentrations (including dissolved and total) were measured 139 times at 12 monitoring stations from 1974 through 1997. Five total concentrations, ranging from 15 µg/L to 110 µg/L at three stations, in Stony Creek in Johnstown/Ferndale (ALPO 0346, ALPO 0348) and the Little Conemaugh River at the State Route 271 Bridge in Franklin/Johnstown (ALPO 0334), equaled or exceeded the drinking water criterion of 15 µg/L from 1980 through 1982. The highest concentration of 110 µg/L, reported in Stony Creek at the Route 53 (State Route 403) Bridge near Ferndale (ALPO 0348), also exceeded the acute freshwater criterion of 82 µg/L in September 1980.

Nickel concentrations (including dissolved and total) were measured 44 times at six monitoring stations (ALPO 0334, ALPO 0346, ALPO 0348, ALPO 0351, ALPO 0352, ALPO 0358) from 1974 through 1997. Twenty-four total concentrations at two stations, in the Little Conemaugh River at the State Route 271 Bridge in Franklin/Johnstown (ALPO 0334) and Stony Creek at the Route 53 (State Route 403) Bridge near Ferndale (ALPO 0348), equaled or exceeded the drinking water criterion of 100 µg/L from 1974 through 1987. The highest concentration of 290 µg/L was reported in the Little Conemaugh River at the State Route 271 Bridge in Franklin/Johnstown (ALPO 0334) in June 1974.

Total thallium concentrations were measured six times at three monitoring stations in Johnstown (ALPO 0346, ALPO 0352, ALPO 0358) during 1981. Two concentrations at two stations, 341 µg/L in the Little Conemaugh River (ALPO 0352) and 254 µg/L in the Conemaugh River (ALPO 0358), exceeded the drinking water criterion of 2.0 µg/L in April 1981.

Zinc concentrations (including dissolved and total) were measured 173 times at 22 monitoring stations from 1974 through 1997. Of the 172 observations used in the criteria analysis (see Remark Code Screen in the Methodology for explanation), 78 total concentrations at 15 stations equaled or exceeded the acute freshwater criterion of 120 µg/L from 1974 through 1996. The highest concentration of 3,800 µg/L was reported in the Little Conemaugh River at the State Route 271 Bridge in Franklin/Johnstown (ALPO 0334) in September 1986.

The IDEA conducted for ALPO and JOFL indicates that STORET data exist for 12 of the 13 Level I parameter groups in the study area. No STORET data exist for the parameter group Chlorophyll. Overall, approximately 61 percent of the observations for Level I parameter groups were recorded since 1985. Data for six groups (Dissolved Oxygen, Clarity/Turbidity, Nitrate/Nitrogen, Phosphate/Phosphorus, Bacteria, and Toxic Elements) were recorded at less than half of the 372 monitoring stations with data. Results for 13 of the 126 EPA priority toxic pollutants (consisting of inorganic parameters and metals) were retrieved from STORET.

Surface water resources in the ALPO and JOFL study area include the Conemaugh, Little Conemaugh, South Fork Little Conemaugh, and other rivers; Blair Gap, Trout, Stony, and numerous other runs and creeks; Saltlick, Beaverdam, Cresson, and many other impoundments; and numerous springs. The data inventories and analyses contained in this report indicate that surface waters within the study area have been impacted by human activities. Potential anthropogenic sources of contaminants include mining and quarrying activities; municipal and industrial wastewater discharges; agricultural operations; oil and gas development; stormwater runoff; recreational use; and atmospheric deposition.

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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.

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

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

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

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

Greg Harp, Clint Bassett, and Amy Benton helped prepare reports and write the Executive Summaries.

Elizabeth Eisenhauer, Bill Folsom, Dana Griffin, Scott Ratchford, Jeff Ketcham, and Valdete Celaj provided digital cartographic support, both in determining retrieval/query areas and producing maps and graphics.

Kelli O'Connor, J. Chris Echohawk, Curtis Cooper, Adam Henson, Shawndra Mawhorter, Lisa Smith, Ryan Shy, Lisa Dummer, Eric Lord, Adriane Petersen, Margaret Matter, Richard Henderson, Ronda Burns, Aria Brissette, Nancy O'Keeffe, Melanie Schnier, Brett Atkinson, Paul Sorek, and Cara Ellis uploaded water quality data to STORET prior to report preparation.

Jacquie Nolan designed the cover.

Horizon Systems:

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

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

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

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

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

Other National Park Service:

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

METHODOLOGY

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

Delineation of Park Study Area

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

Data Sources

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

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

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

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

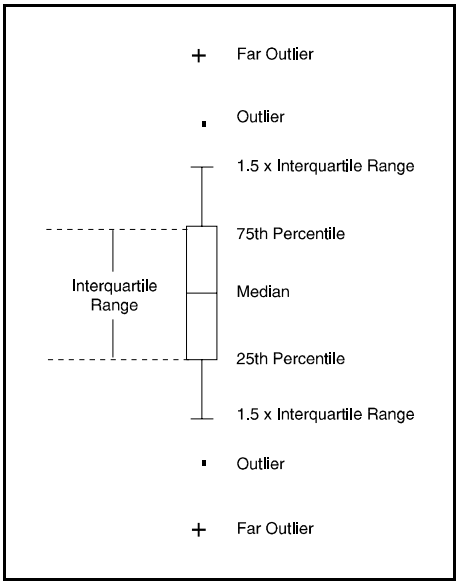
Table H. Definition of Descriptive Statistics Contained in Inventory, Annual, and Seasonal Tables

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 ALPO/JOFL

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:	215279	1408
# STORET Stations:	381	18
# Stations With No Data:	9	0
# Stations With No Stat. Analysis:	0	0
# Longer Term Stations:	32	0
Date of STORET Retrieval:	11/06/98	11/06/98
Period of Record:	10/07/26-06/25/97	05/07/86-06/25/97
# Parameters Measured:	498	37
# Water Quality Observations:	30932	514
# Industrial/Municipal Facilities:	57	0
# Drinking Water Intakes:	27	0
# Water Gages:	10	1
# Water Impoundments:	14	1
# Total Plots:	104	0
# Time Series:	38	0
# Annual:	34	0
# Seasonal:	32	0

Hydrologic Definition of Seasons:

1. August 1 - October 31
2. November 1 - March 31
3. April 1 - July 31

Time Series Plot Criteria:

To be included in the time series plots, a station/parameter combination must have at least 15 years and at least 80 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 10 years.

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

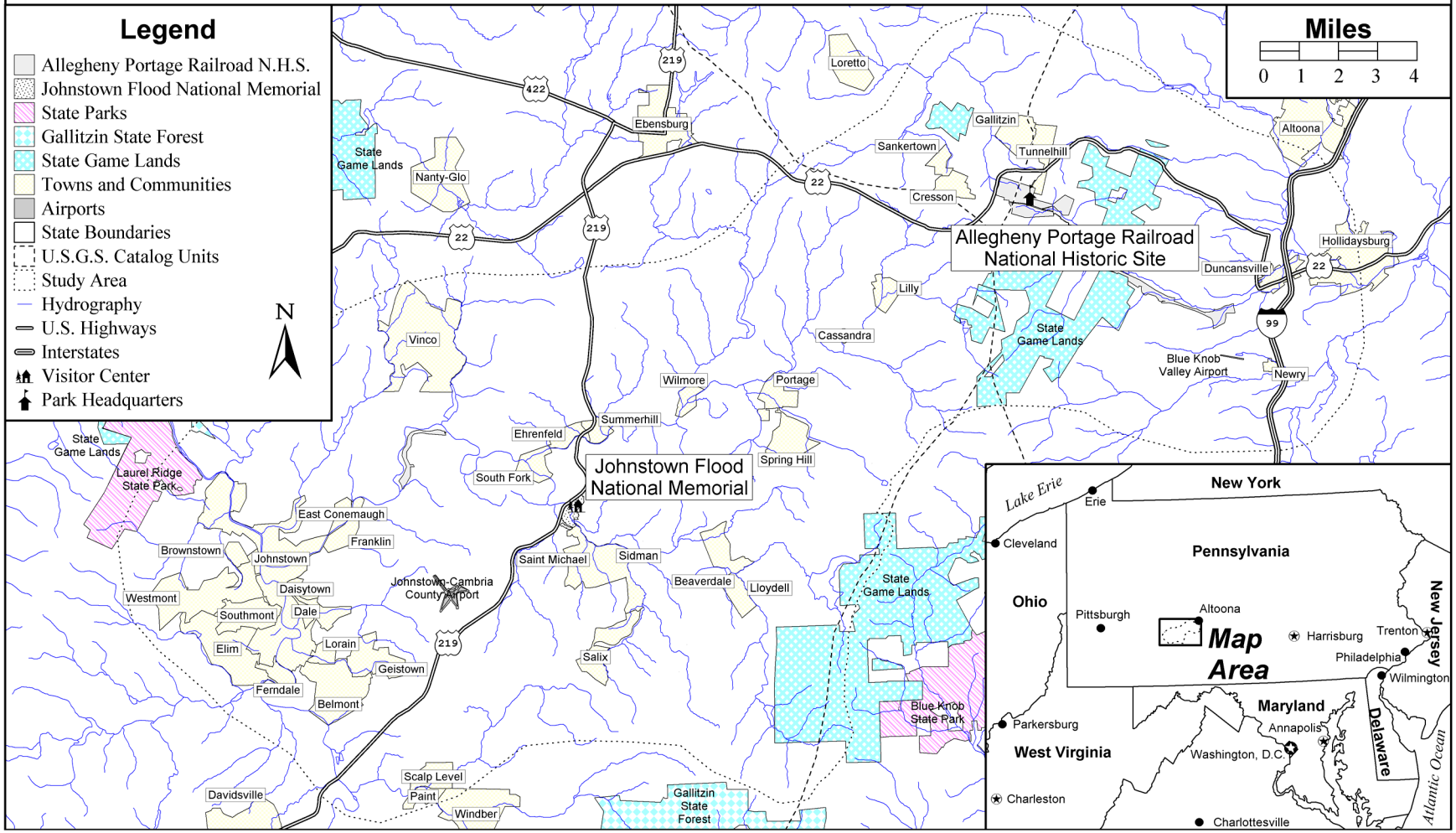
Seasonal Analysis Criteria:

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

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

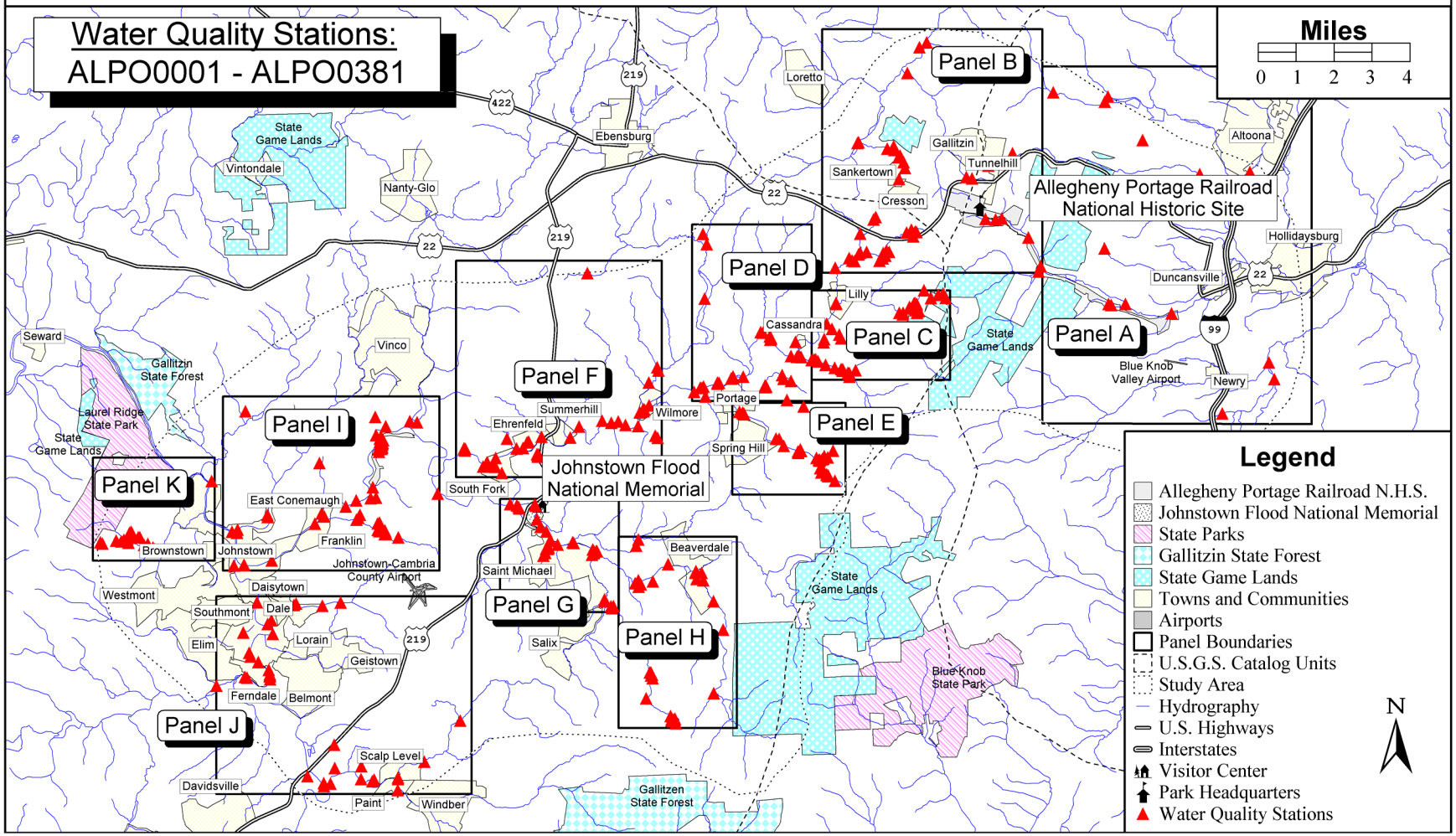
Allegheny Portage Railroad National Historic Site
Johnstown Flood National Memorial

Regional Location Map

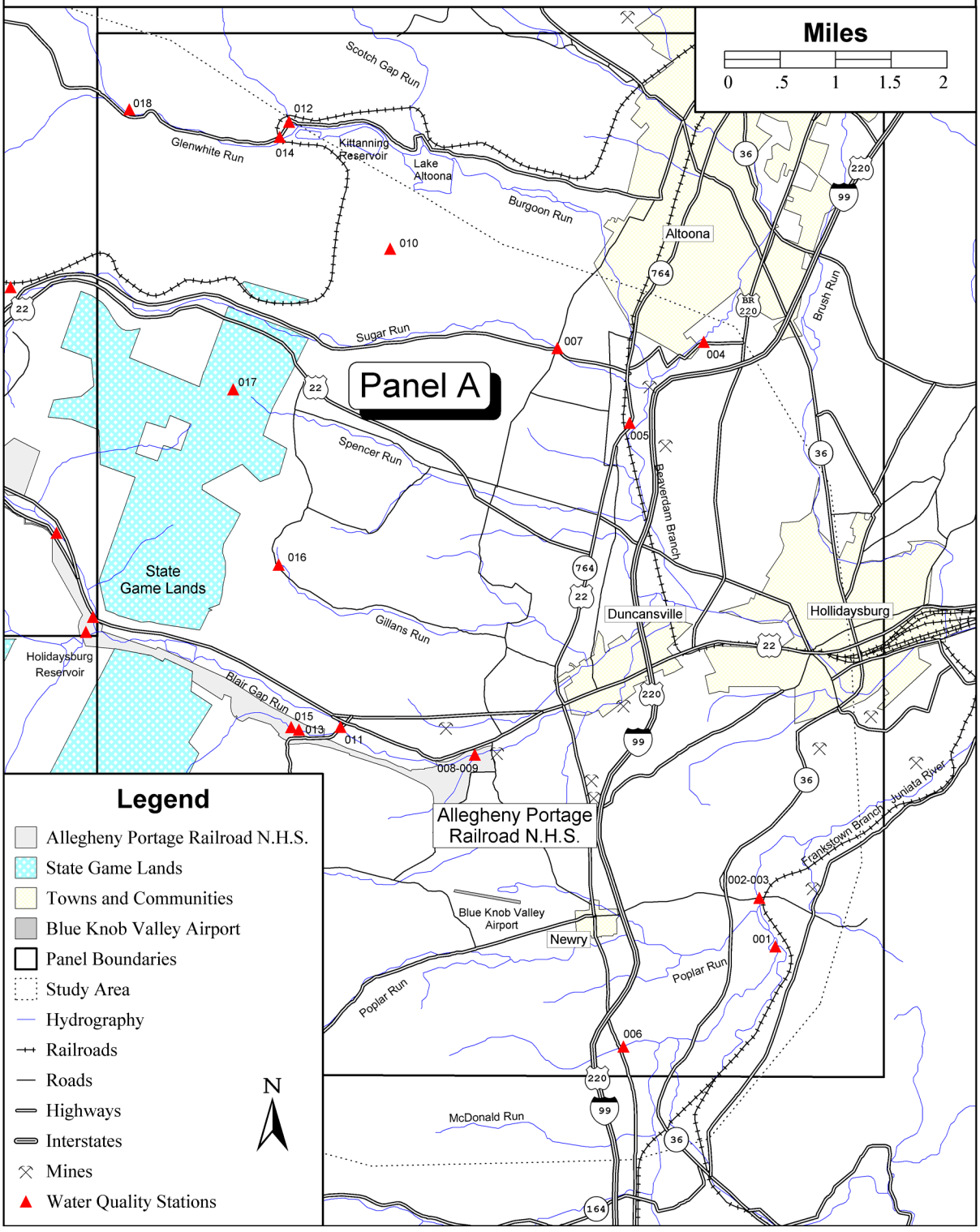


Allegheny Portage Railroad National Historic Site
Johnstown Flood National Memorial

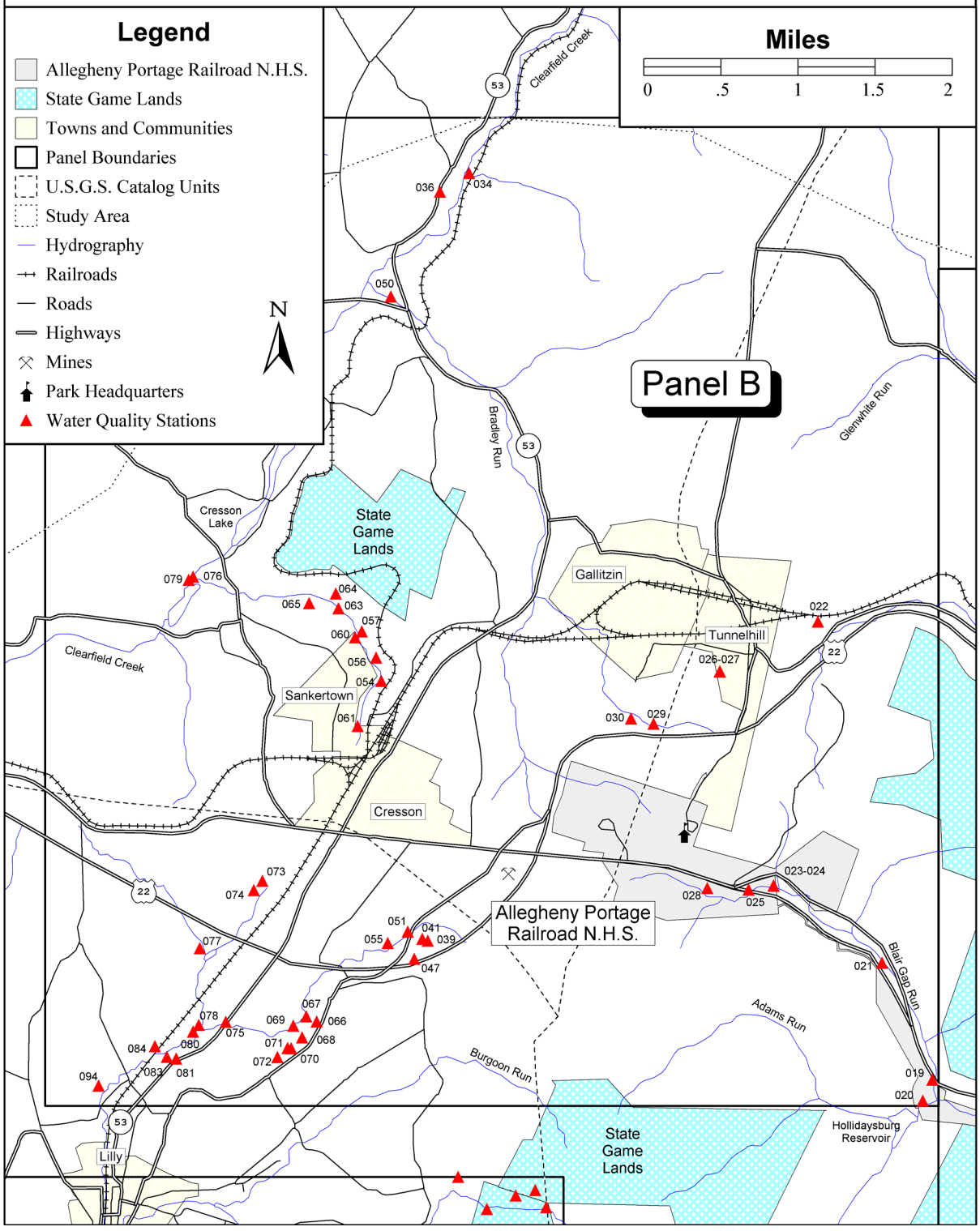
Water Quality Monitoring Locations - Graphic Panel Index



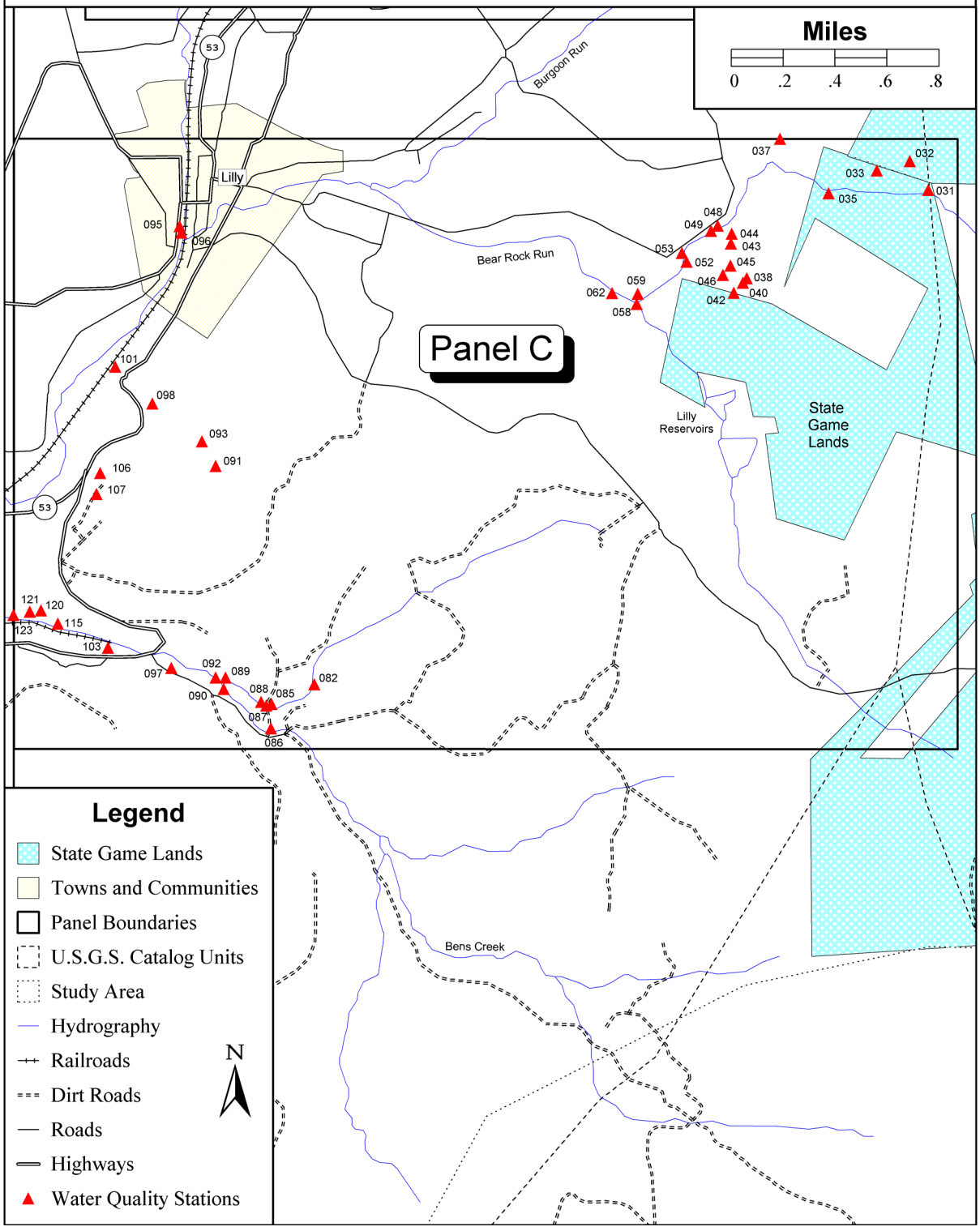
Allegheny Portage Railroad National Historic Site
Johnstown Flood National Memorial
Water Quality Monitoring Locations



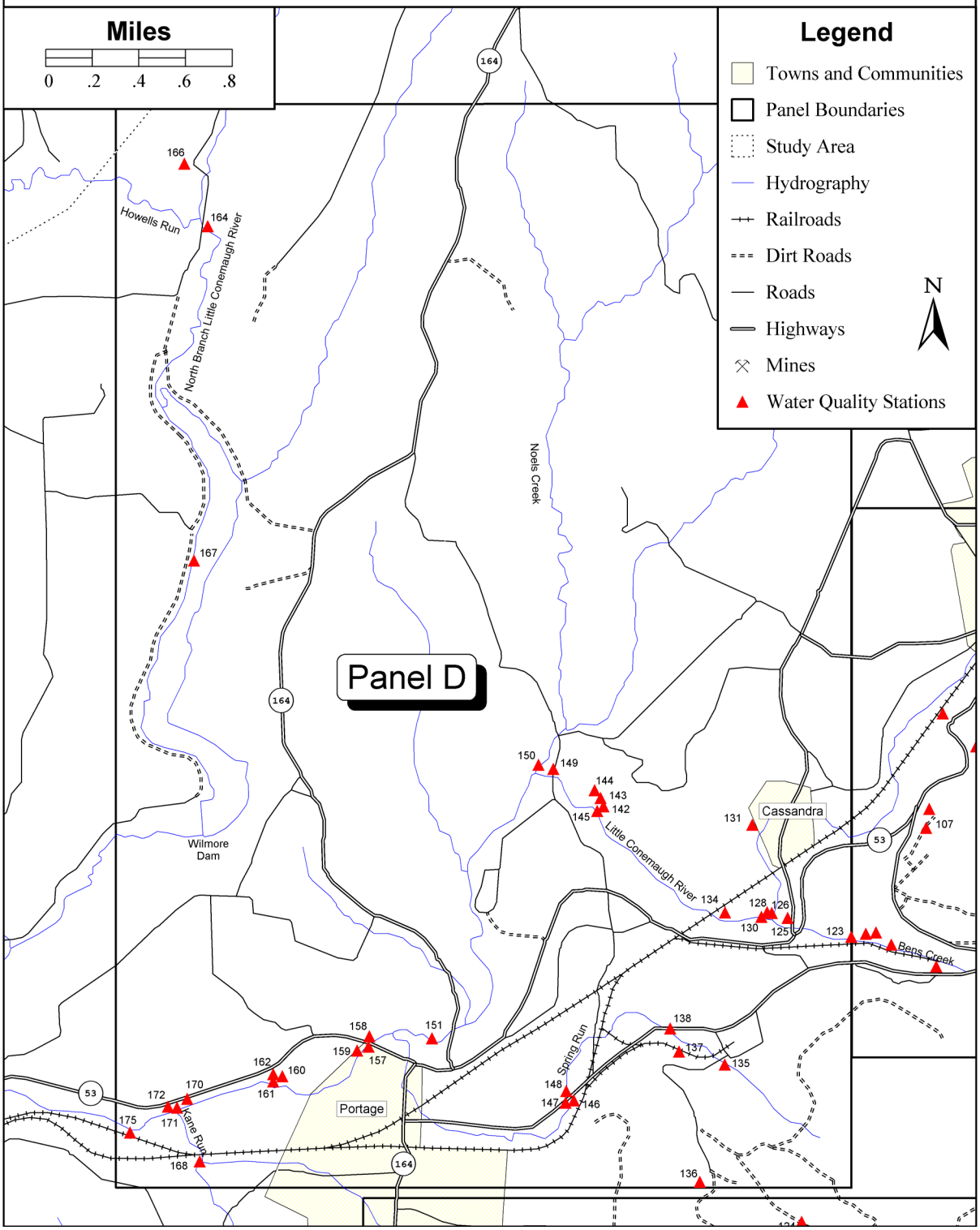
Allegheny Portage Railroad National Historic Site
Johnstown Flood National Memorial
Water Quality Monitoring Locations



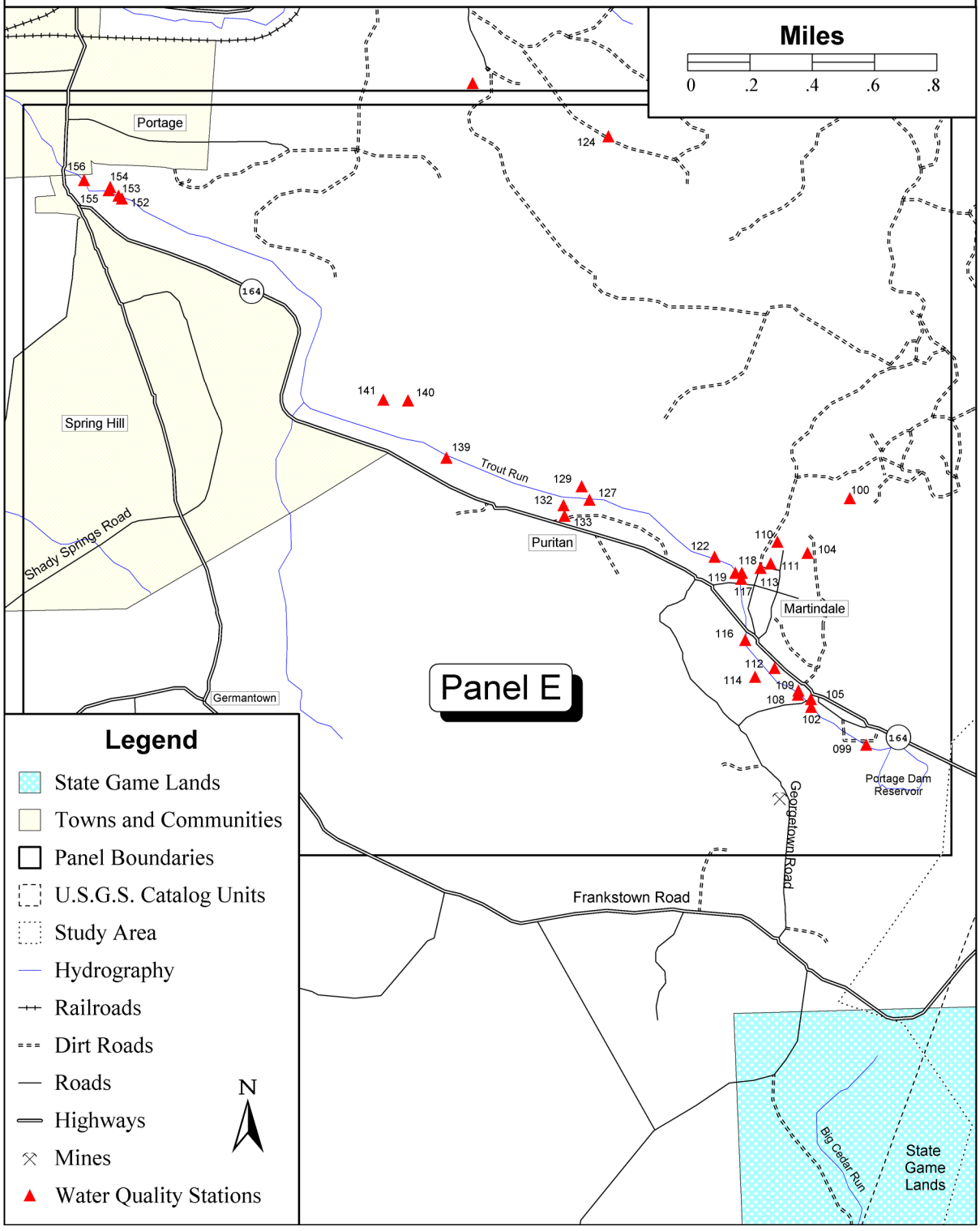
Allegheny Portage Railroad National Historic Site
Johnstown Flood National Memorial
Water Quality Monitoring Locations



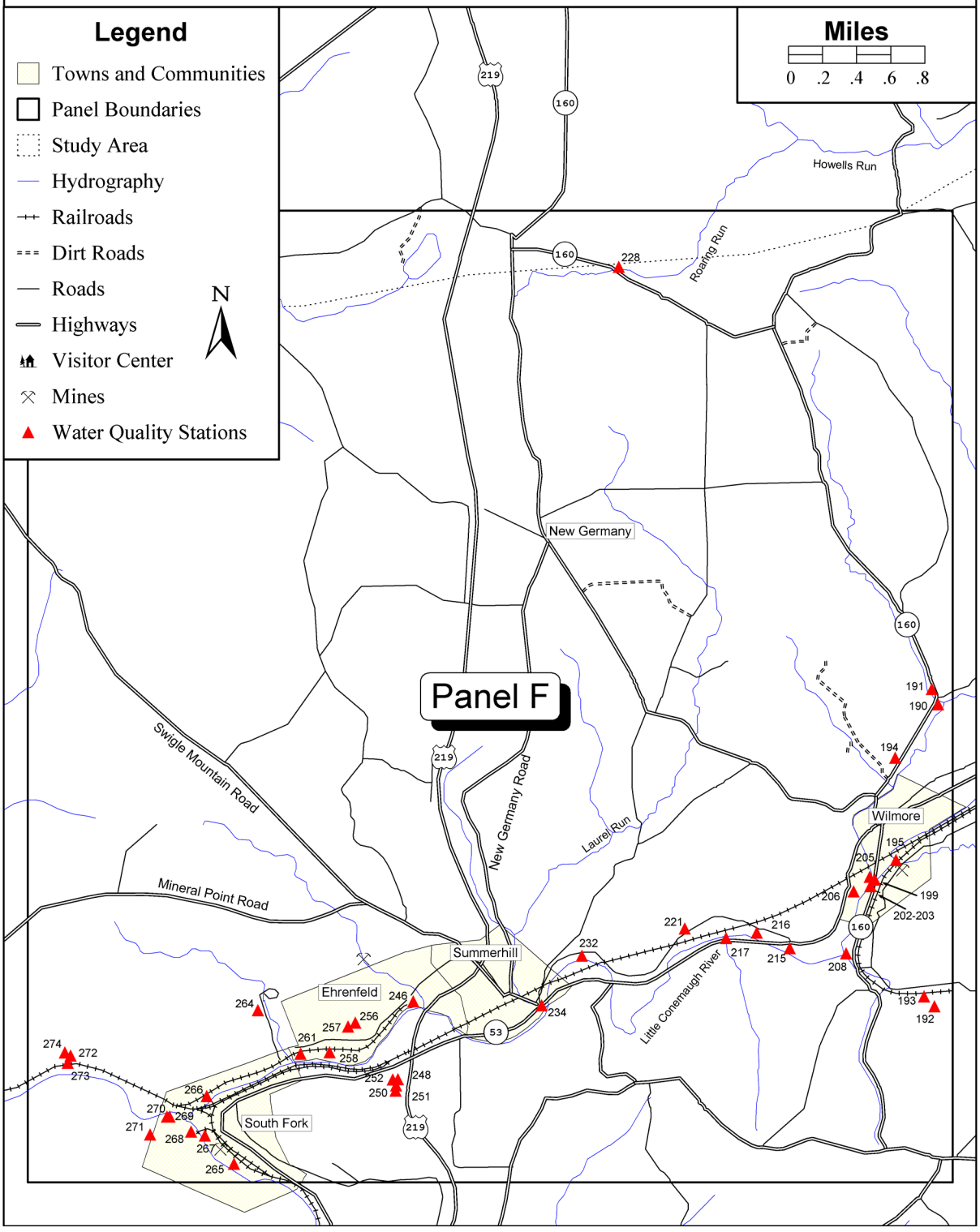
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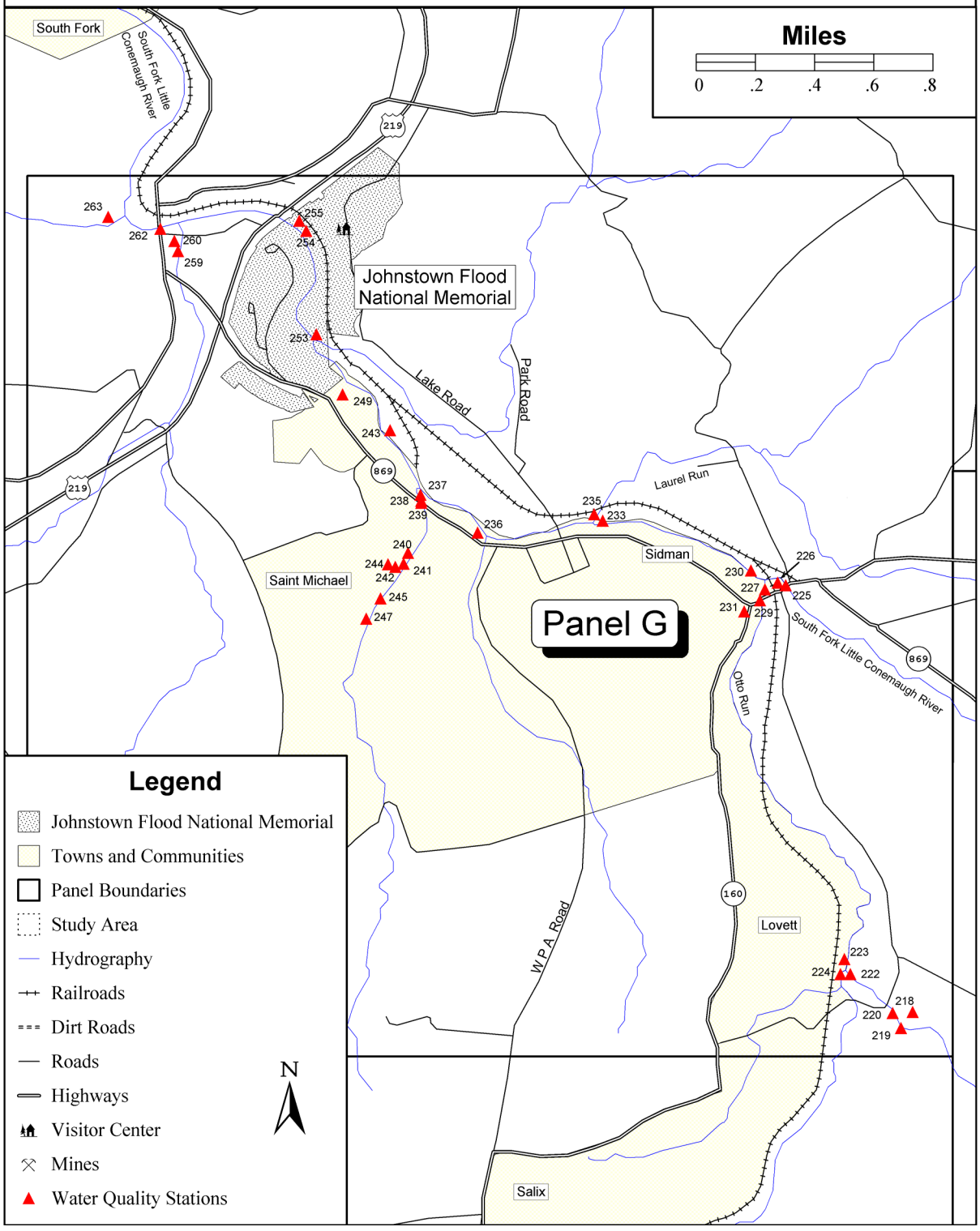
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Johnstown Flood National Memorial
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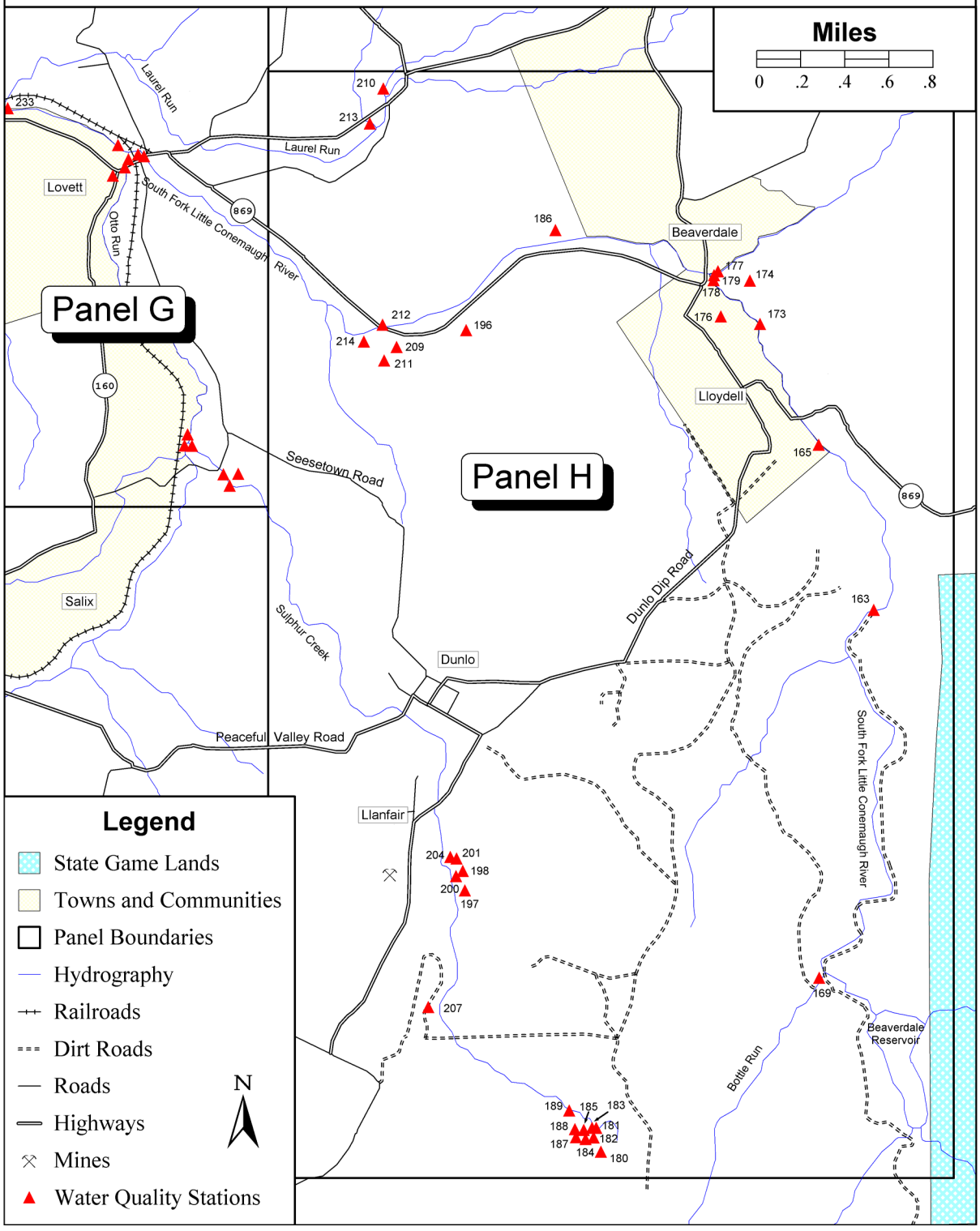
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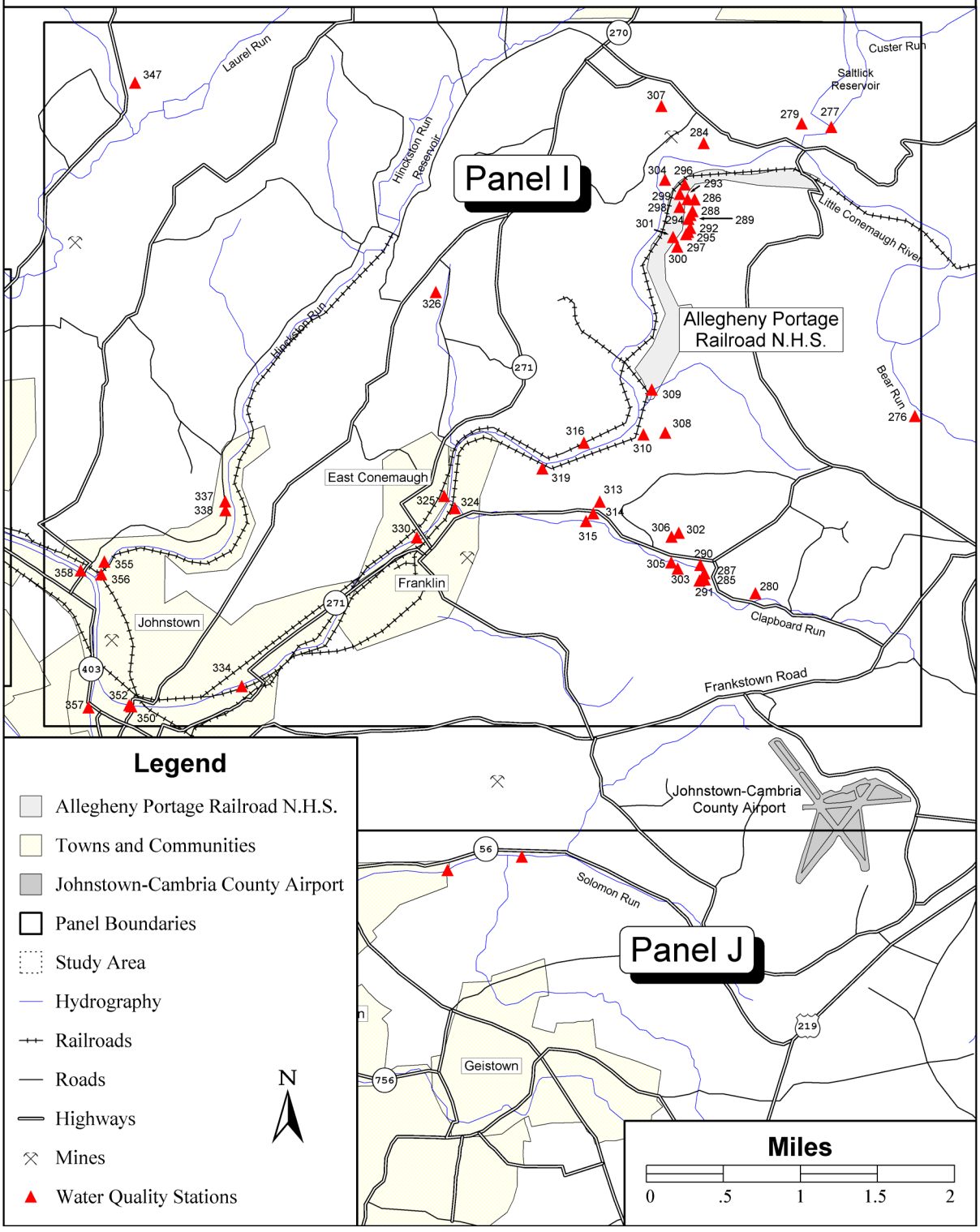
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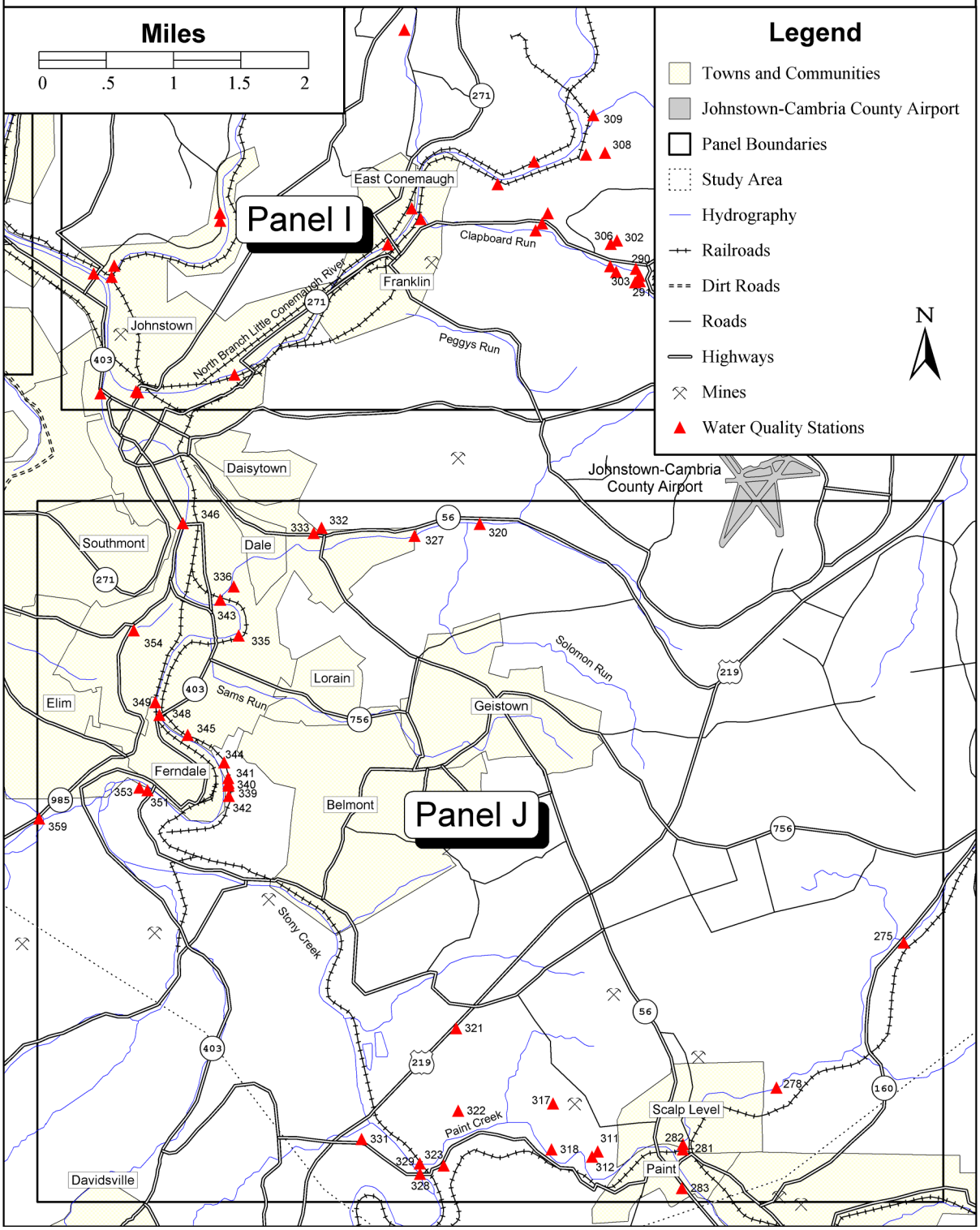
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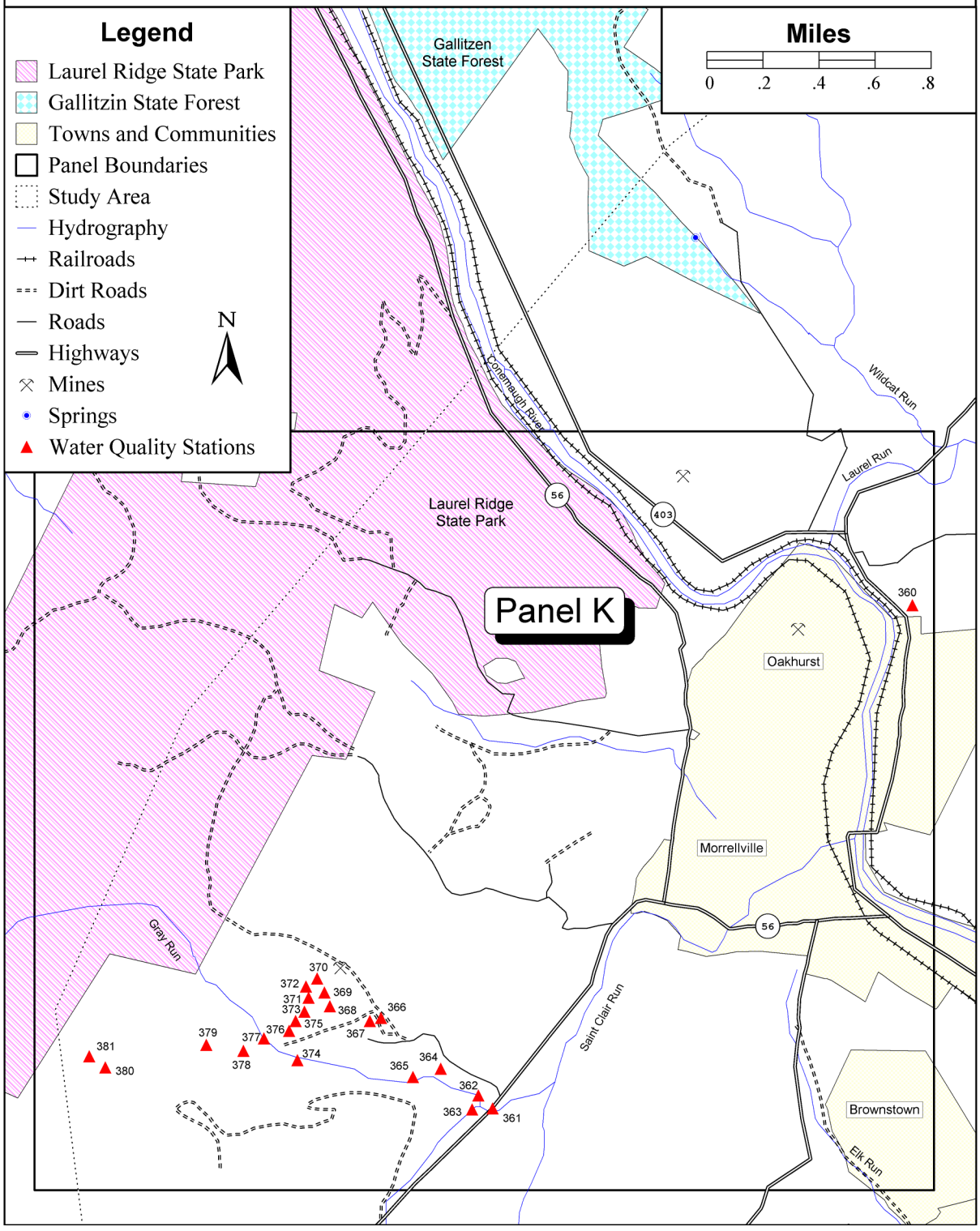
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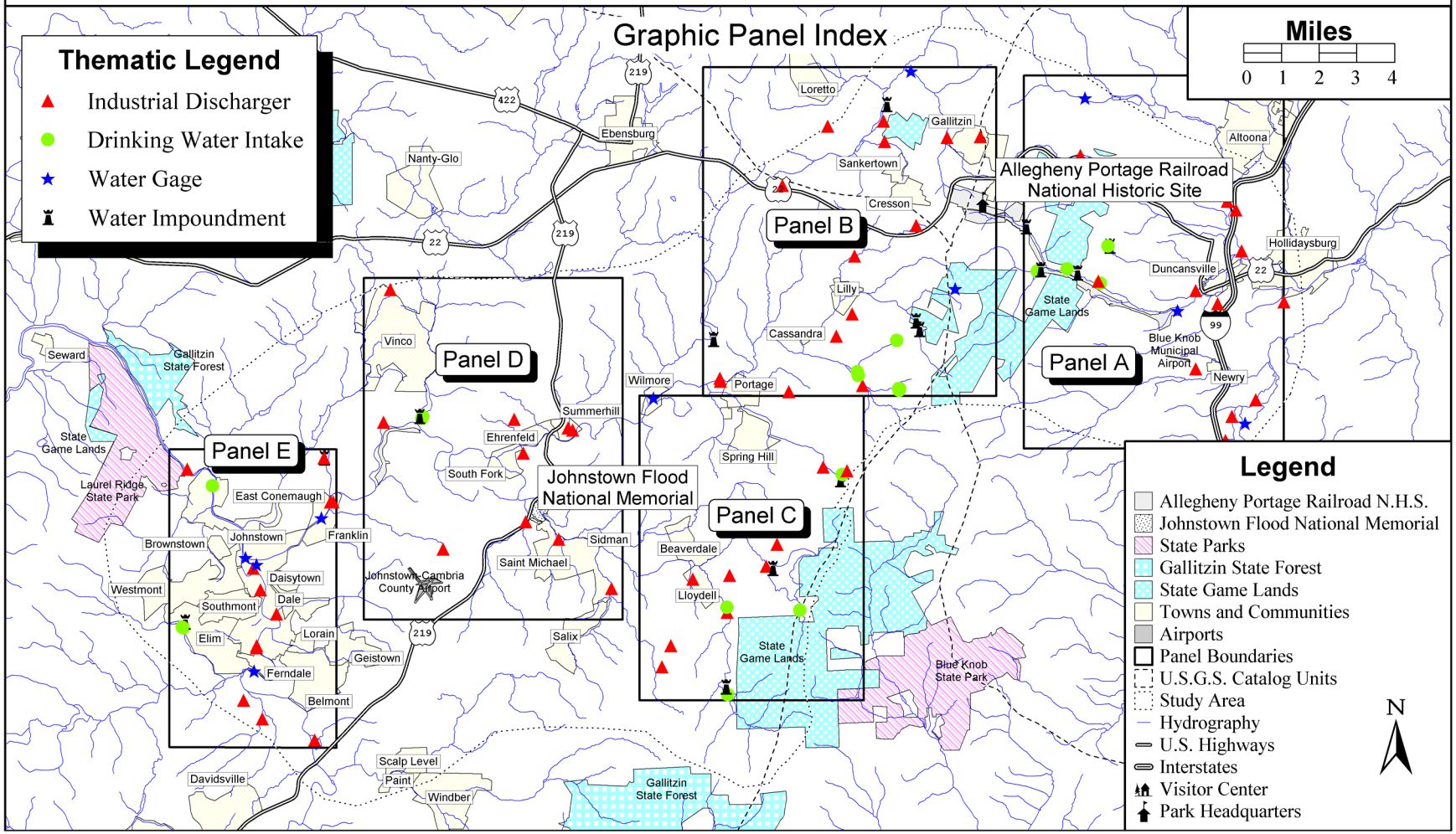


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Johnstown Flood National Memorial
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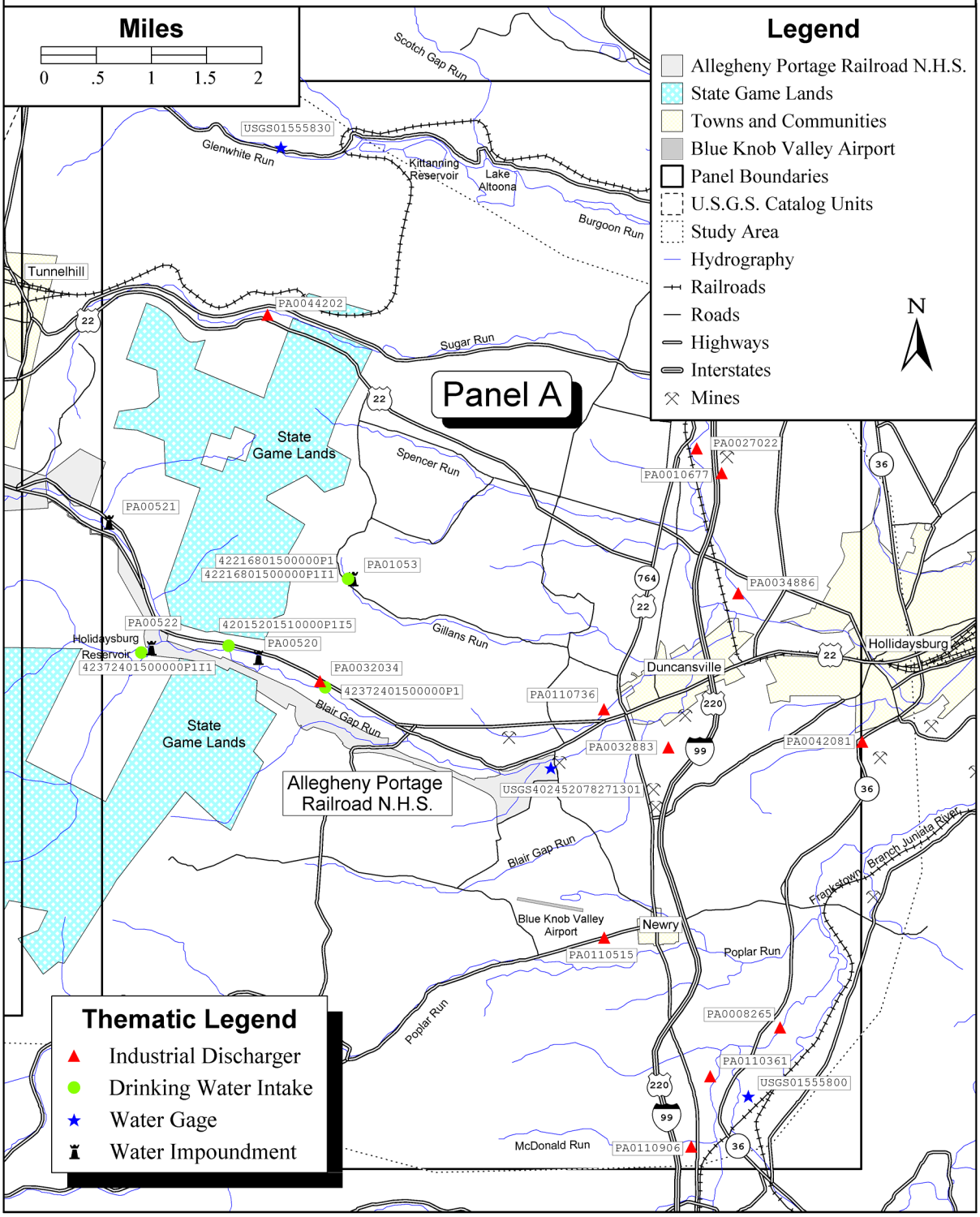


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Johnstown Flood National Memorial

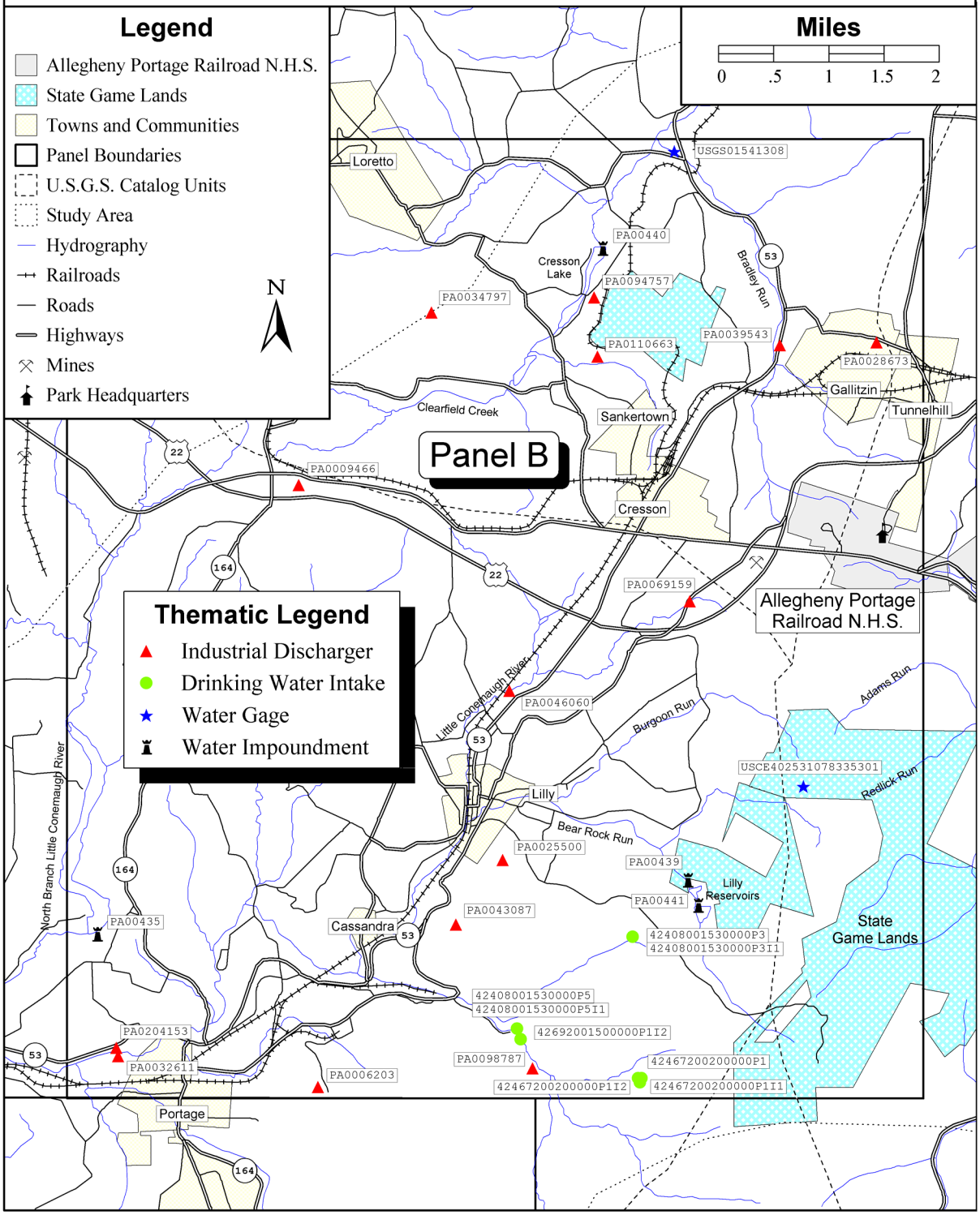
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



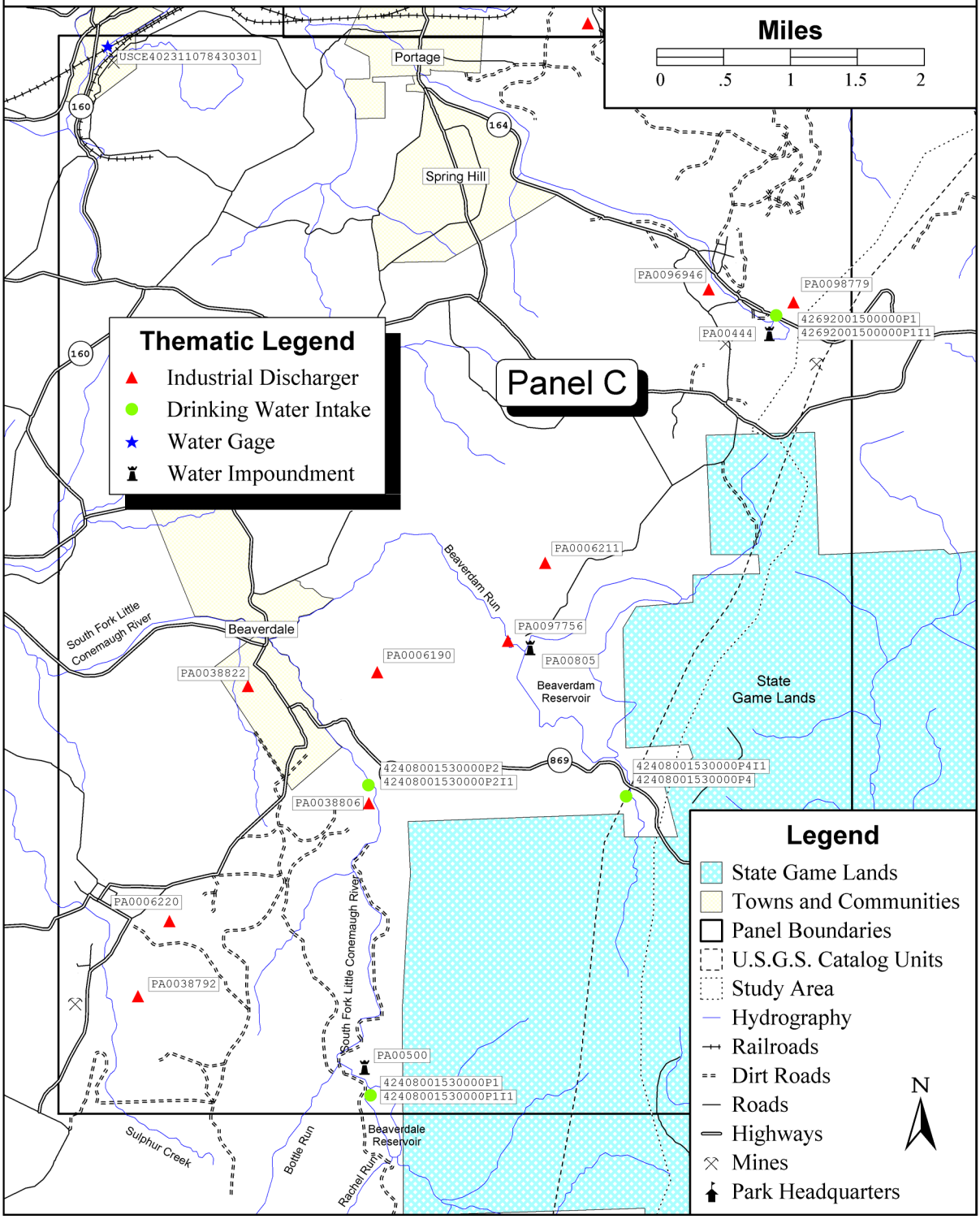
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Johnstown Flood National Memorial
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



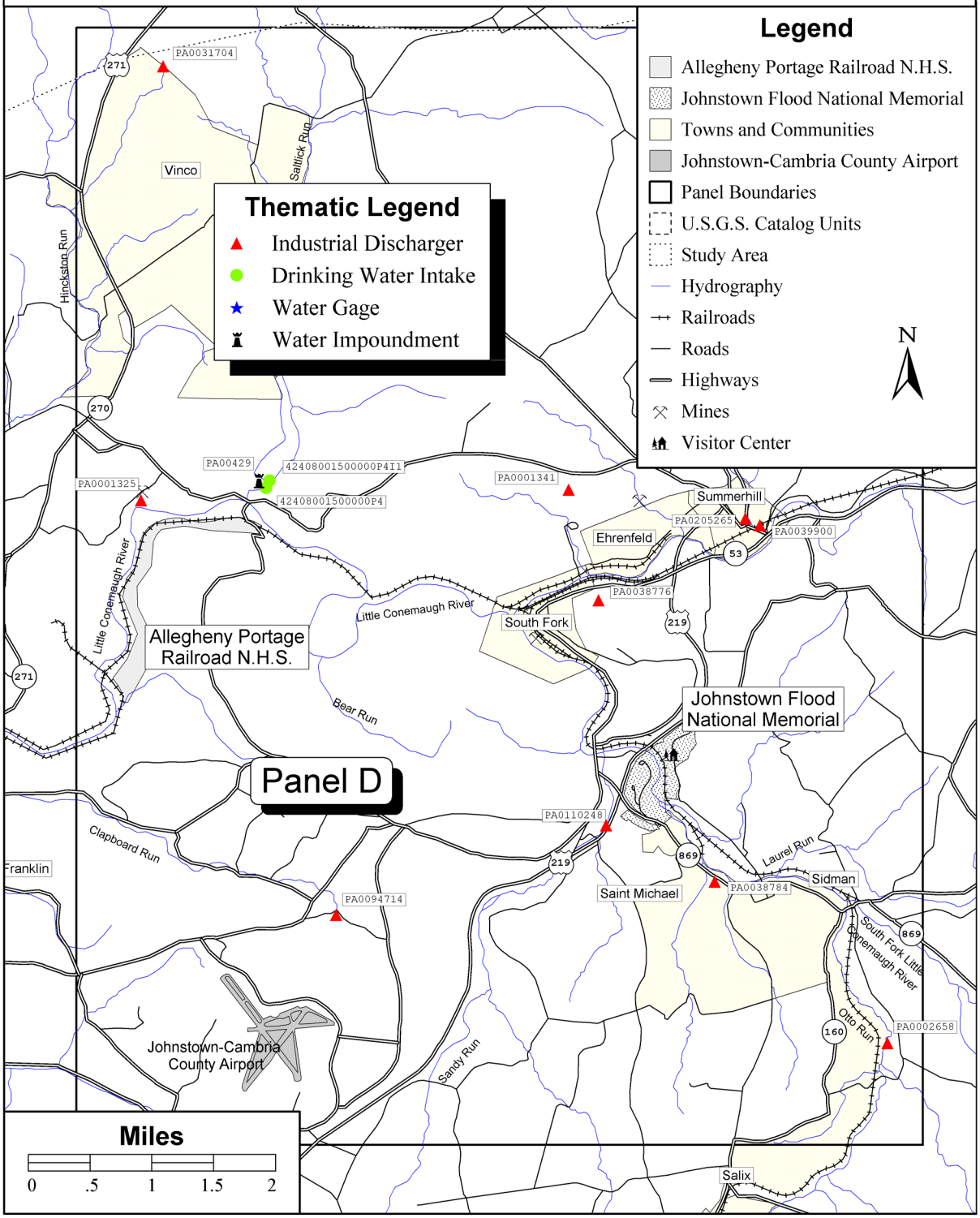
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Johnstown Flood National Memorial
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



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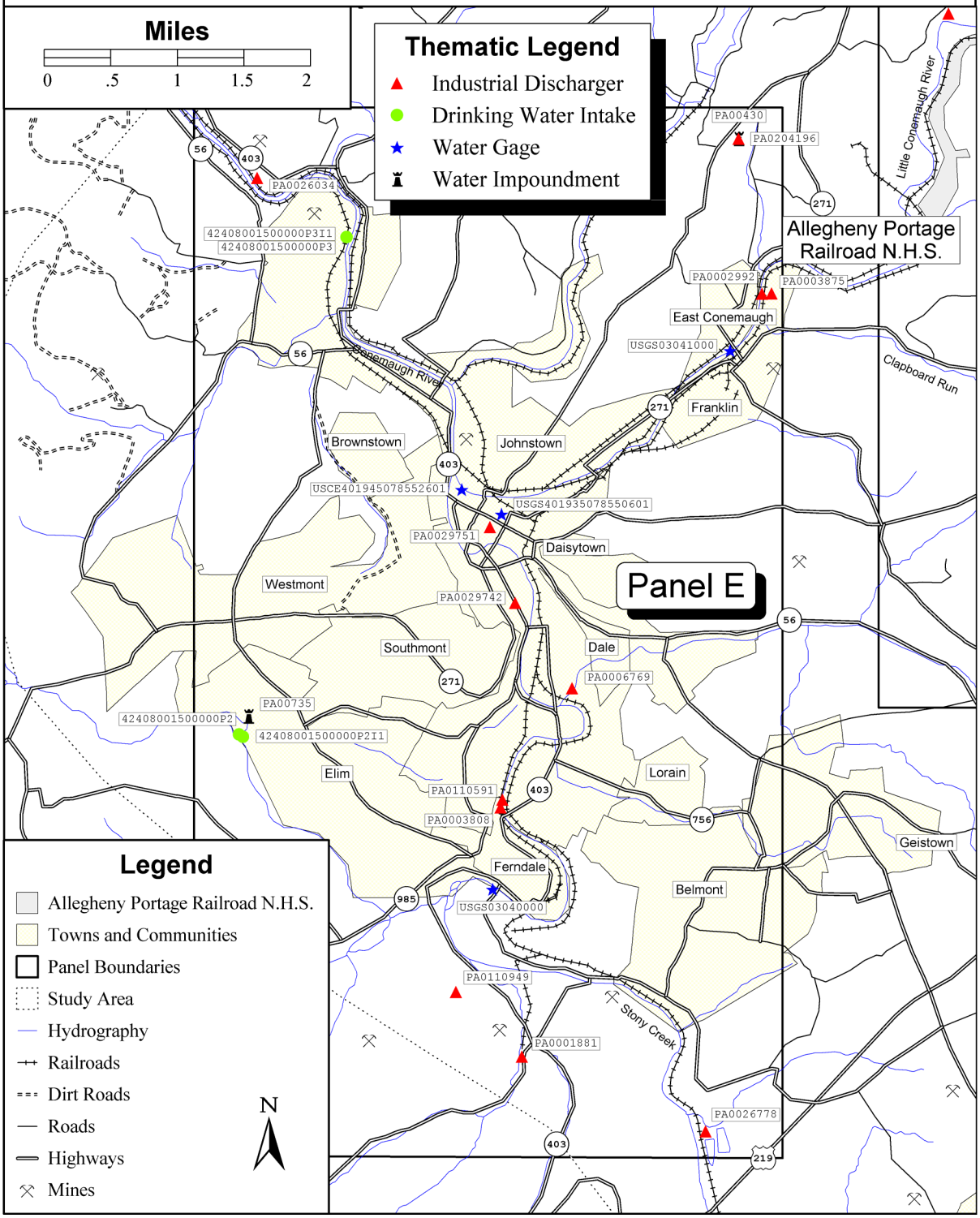


Allegheny Portage Railroad National Historic Site
Johnstown Flood National Memorial
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



Allegheny Portage Railroad National Historic Site
Johnstown Flood National Memorial

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



Industrial Facility Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Within the ALPO/JOFL Study Area

Industrial Facility Discharges

Site ID	Station/Facility Name	Address	City	Facility Receiving Water Name
PA0001325	BETH MINES CORP #2 AMD PLANT	.....	MINERAL POINT	L CONEMAUGH R
PA0001341	BETHLEHEM MINES CORP. CAMBRIA	.....	EHRENFELD	L CONEMAUGH R
PA0001881	BIRD COAL COMPANY	BOX 271	TIRE HILL	KAUFMAN RUN
PA0002658	HIRAM SWANKS SON JOHNSTOWN PLT	P O BOX 630	JOHNSTOWN	L CONEMAUGH RVR
PA0002992	BETHLEHEM STEEL CORP JOHNSTOWN	119 WALNUT AVE	JOHNSTOWN	HINCKSTON RIVER
PA0003808	SCM CORP #31 GLIDDEN DURKEE DV	900 UNION COMMERCE BLDG	CLEVELAND	STONY CREEK
PA0003875	U S STEEL CORP JOHNSTOWN WORK	600 GRANT STREET	PITTSBURGH	STONY CREEK
PA0006190	COONEY BROTHERS COAL CO #2 MIN	P O BOX 246	CRESSON	TOBY CREEK
PA0006203	COONEY BROS COAL CO SONMAN	P O BOX 246	CRESSON	SPRING RUN
PA0006211	COONEY BROS COAL CO SWAMP #2	P O BOX 246	CRESSON	TRIB LAUREL RUN
PA0006220	COONEY BROS COAL CO DUNLO #1	BOX 246	CRESSON	SULFUR CREEK
PA0006769	SHEESLEY SUPPLY CO	837 HORNER ST PO BOX 310	JOHNSTOWN	STONY CREEK
PA0008265	APPLETON PAPER SPRINGMILL	100 PAPER MILL ROAD	BLAIR COUNTY	HALTER CK
PA0009466	VALE WOOD DAIRY CRESSON	PO BOX 13	CRESSON	CLEARFIELD CRK
PA0010677	VEEDER ROOT CO ALTOONA DIV	.....	ALLEGHENY TWP	TR OF BEAVERDAM B
PA0025500	LILLY BOROUGH	.....	LILLY	L CONEMAUGH R
PA0026034	JOHNSTOWN CITY	BUREAU OF SEWAGE	JOHNSTOWN,	SAMS RUN,CHENEY RUN,SOLOMON RU
PA0026778	WINDBER AREA AUTH INGLESIDE TR	15TH ST & SOMERSET AVE	WINDBER BORO	SPRING RN
PA0027022	ALTOONA CITY AUTHORITY WESTERL	WASTEWATER DIVISION	BLAIR COUNTY	BEAVERDAM BR OF FRANKSTOWN BR
PA0028673	GALLITZIN, BOROUGH OF	.....	GALLITZIN BORO	TR TO CLEARFIELD C
PA0029742	HIGHLAND SEWERAGE SYSTEM	.....	JOHNSTOWN	TR TO CONEMAUGH R
PA0029751	HIGHLAND SEWERAGE SYSTEM	.....	JOHNSTOWN	TR TO CONEMAUGH R
PA0031704	LEISURE VILLAGE	RD #1	CONEMAUGH TWP	HINCKSTON RUN TRIB.TO CONEMAUG
PA0032034	SHAMROCK TRAILER COURT	MR. GERALD SMITH	DUNCANSVILLE	UNNAMED TRIB TO BLAIR GAP RUN
PA0032611	PORTAGE AREA SEWER AUTHORITY	606 CAMDEN ST	PORTAGE	L CONEMAUGH R
PA0032883	DUNCANSVILLE SEWAGE TREATMENT	.....	DUNCANSVILLE	TR TO FRANKSTOWN B JUNIATA R
PA0034797	ST FRANCIS SEMINARY		LORETTO BORO	CREEK ALONG CRESSON LORETTO RO
PA0034886	SMALL TUBE PRODUCTS, INC	.....	ALLEGHENY TWP	BEAVERDAM B
PA0038776	SOUTH FORK BORO	.....	SOUTH FORK BORO	SB L CONEMAUGH R
PA0038784	ST. MICHAEL CRESLO AREA,SIDMAN	.....	ST MICHAEL	SFB L CONEMAUGH R
PA0038792	ADAMS TOWNSHIP SEWAGE TREAT.PL	.....	.....	TR TO SF CONEMAUGH R
PA0038806	FOREST HILL BEAUTYLINE PARK	.....	SOUTH FORK BORO	OTTO RN
PA0038822	SUMMERHILL TNSP.BRD. BEAVERDAL	.....	BEAVERDALE LLOYD.	BEAVERDALE B
PA0039543	SANKERTOWN BOROUGH	.....	SANKERTOWN	B OF CLEARFIELD C
PA0039900	SUMMERHILL,BOROUGH OF	.....	SUMMERHILL	L CONEMAUGH R
PA0042081	HOLLIDAY CONSTRUCTORS INC	.....	HOLLIDAYSBURG	INDIAN C
PA0043087	CASSANDRA BOTTLING CO INC	CEDAR ST	CASSANDRA	L CONEMAUGH R
PA0044202	ACE DRILLING COAL CO GUM TREE	.....	ALLEGHENY TWP	GUMTREE RN
PA0046060	CARMELLA ESTATES	.....	.....	L CONEMAUGH R
PA0069159	COONEY BROTHERS COAL COMPANY	.....	CRESSON	L CONEMAUGH R
PA0094714	STRICK'S TRAILER PARK STP	EVAN W. STRICK	RICHLAND TWP	UNNAMED TRIB CLAPBOARD RUN
PA0094757	GALLITZIN SAVINGS AND LOAN ASS	117 CHESTNUT ST.	CAMBRIA COUNTY	CLEARFIELD CREEK
PA0096946	ALEXANDER, RICHARD & BELINDA	P.O. BOX 105	PURITAN	TROUT RUN
PA0097756	HIGHLAND SEWER & WATER AUTHORI	2305 BEDFORD STREET	JOHNSTOWN	BEAVERDAM RUN
PA0098779	PORTAGE BOROUGH MUNICIPAL AUTH		PORTAGE	TROUT RUN
PA0098787	PORTAGE BOROUGH MUNICIPAL AUTH	606 CAMBRIA STREET	PORTAGE	BENS CREEK
PA0110248	LIBERTY PARK MOBILE HOME PARK	.....	SOUTH FORK BORO	SANDY RN
PA0110361	FREEDOM TWP POLLUTION CONTROL	.....	EAST FREEDOM	FRANKSTOWN B

Industrial Facility Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Within the ALPO/JOFL Study Area

Industrial Facility Discharges

Site ID	Station/Facility Name	Address	City	Facility Receiving Water Name
PA0110515	FREEDOM TWP BOARD OF SUPERVISO	.....	EAST FREEDOM	POPLAR RN
PA0110591	SCM CORPORATION	101 BRIDGE STREET	JOHNSTOWN,	STONEYCREEK RIVER
PA0110663	CRESSON BOROUGH MUNICIPAL AUTH	.....	CRESSON	LAUREL RN
PA0110736	ALLEGHENY TOWNSHIP WATER & SEW	.....	ALLEGHENY TWP	TR TO GILLANS RN
PA0110906	AGWAY PETROLEUM CORPORATION	.....	EAST FREEDOM	TR OF FRANKSTON B
PA0110949	HORVATH, JOHN	.....	SOMERSET TWP	KAVEMAN RN
PA0204153	CAMBRIA COGEN CO., COGENERATIO	INTERSECTION OF TWP ROADS	EBENSBURG	LITTLE CONEMAUGH RIVER
PA0204196	PARKHILL CAR WASH	300 PARKHILL DRIVE	CONEMAUGH	UNM TRIB TO LITTLE CONEMAUGH R
PA0205265	SUMMERHILL BORO VOLUNTEER FIRE	FIRE COMPANY	SUMMERHILL	LAUREL RUN

Drinking Water Intakes

Site ID	Station/Facility Name	City	Population Served	Avg. Daily Production (Gal./Day)
42015201510000P1I5	PLANE NINE DAM	ALTOONA	12000	0000.00
42216801500000P1	CHLORINATION	DUNCANSVILLE	2500	0000.00
42216801500000P1I1	GILLANS RUN DUNCAN.	DUNCANSVILLE	2500	0000.00
42372401500000P1	CHLORINATION PUMP	HOLLIDAYS BUR	8419	5000.00
42372401500000P1I1	BLAIR RUN RESERVOIR	HOLLIDAYS BUR	8419	5000.00
42408001500000P2	MILL CREEK TRMT PLT	JOHNSTOWN	110000	0000.00
42408001500000P2I1	MILL CREEK RESERVOI	JOHNSTOWN	110000	0000.00
42408001500000P3	RED RUN TREATMT PLT	JOHNSTOWN	110000	0000.00
42408001500000P3I1	RED RUN	JOHNSTOWN	110000	0000.00
42408001500000P4	SALTLICK TRTMT PLNT	JOHNSTOWN	110000	0000.00
42408001500000P4I1	SALTLICK RESERVOIR	JOHNSTOWN	110000	0000.00
42408001530000P1	LOYDELL TREATMT PLT	JOHNSTOWN	35000	0000.00
42408001530000P1I1	LOYDELL RESERVOIR	JOHNSTOWN	35000	0000.00
42408001530000P2	LOWER LOYDELL PLANT	JOHNSTOWN	35000	0000.00
42408001530000P2I1	LOWER LOYDELL RES	JOHNSTOWN	35000	0000.00
42408001530000P3	BEAR ROCK TRTMT PLT	JOHNSTOWN	35000	0000.00
42408001530000P3I1	BEAR ROCK RES I&II	JOHNSTOWN	35000	0000.00
42408001530000P4	BEAVER RUN TRMT PLT	JOHNSTOWN	35000	0000.00
42408001530000P4I1	BEAVER RUN RESERVOI	JOHNSTOWN	35000	0000.00
42408001530000P5	BENS CREEK TRMT PLT	JOHNSTOWN	35000	0000.00
42408001530000P5I1	BENS CREEK RESERVOI	JOHNSTOWN	35000	0000.00
42467200200000P1	CHLORINATOR	LILLY	1500	
42467200200000P1I1	UPPER RESERVOIR	LILLY	1500	
42467200200000P1I2	LOWER RESERVOIR	LILLY	1500	
42692001500000P1	TREATMENT PLANT	PORTAGE	5500	0000.00
42692001500000P1I1	TROUT RUN	PORTAGE	5500	0000.00
42692001500000P1I2	BENS CREEK	PORTAGE	5500	0000.00

Industrial Facility Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Within the ALPO/JOFL Study Area

Water Gages

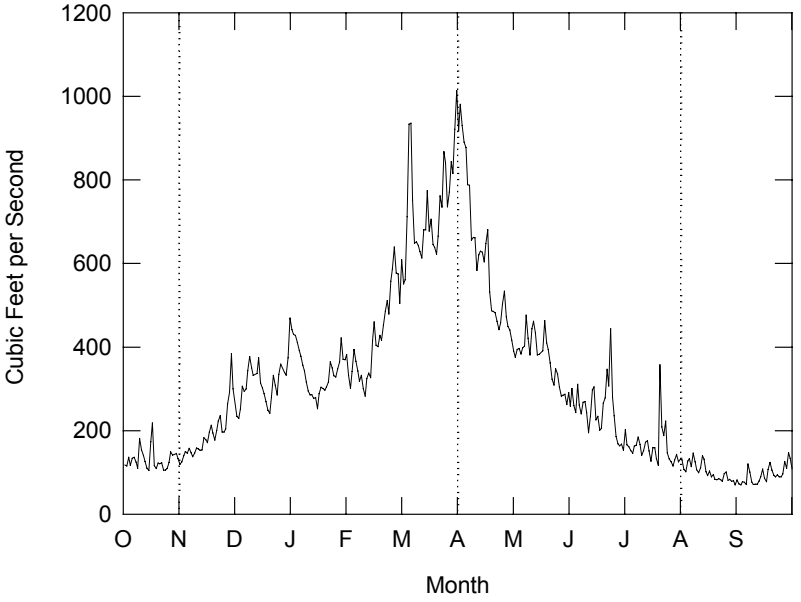
Site ID	Station Name	Site Type	Drainage Area (Square Miles)	Begin Year	End Year
USCE401945078552601	L CONEMAUGH R AT JOH	Stream	188.00		
USCE402311078430301	L CONEMAUGH R AT WIL	Stream	48.00		
USCE402531078335301	ELK C AT SAINT MARYS	Stream	5.70		
USGS01541308	BRADLEY RUN NEAR ASHVILLE, PA.	Stream	6.77	1968	1980
USGS01555800	MCDONALD RUN NR EAST	Stream	1.54	1959	1978
USGS03040000	STONYCREEK RIVER AT FERNDALE, PA.	Stream	451.00	1914	1997
USGS03041000	LITTLE CONEMAUGH RIVER AT EAST CONEMAUGH, PA.	Stream	183.00	1939	1996
USGS01555830	GLENWHITE RUN NR ALTOONA, PA.	Stream	5.00	1966	1968
USGS401935078550601	1	Well			
USGS402452078271301	74 BLAIR COUNTY OBSERVATION WELL	Well			

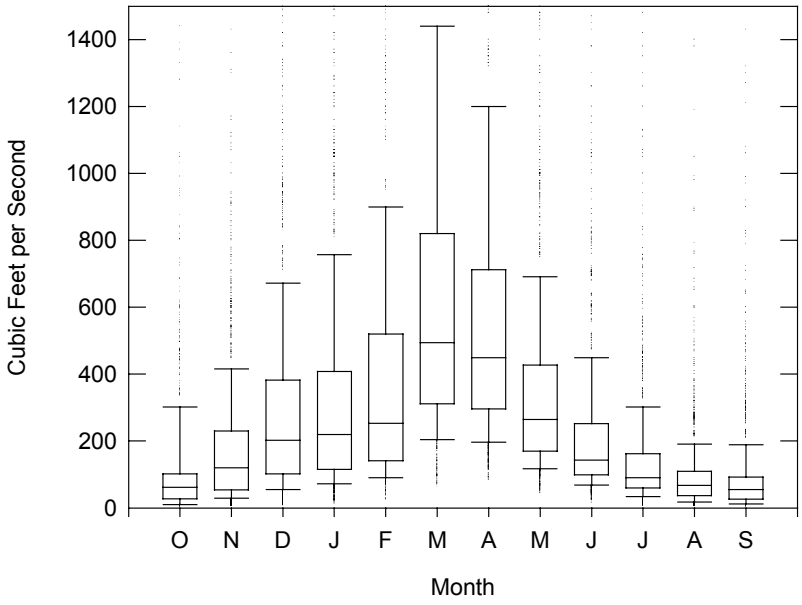
Water Impoundments

Site ID	Impoundment Name	Owner	Primary Purpose	Type of Dam	Downstream Hazard	Year Completed
PA00440	CRESSON DAM	LAKE DEVELOPMENT CORP	Supply	Gravity	Significant	1913
PA00520	PLAIN NINE DAM	BLAIR GAP WATER SUPPLY	Supply	Earth	High	1907
PA00521	BLAIR GAP DAM	BLAIR GAP WATER SUPPLY	Supply	Gravity	Significant	1907
PA00522	HOLLIDAYSBURG DAM	BOROUGH OF HOLLIDAYSBURG	Supply	Earth	High	1957
PA01053	DUNCANSVILLE DAM	DUNC MUNICIPAL AUTHORITY	Supply	Earth	Significant	1902
PA00429	GR. JOHNSTOWN WATER AUTH D	GR JOHNSTOWN WATER AUTH	Supply	Earth	High	1913
PA00430	HINCKSTON RUN DAM	MANUFACTURERS WATER CO	Supply	Earth	High	1905
PA00435	WILMORE DAM	MANUFACTURERS WATER CO	Supply	Gravity	High	1908
PA00439	BEAR ROCK DAM 1	HIGHLAND WATER AURTHORIT	Supply	Earth	High	1904
PA00441	BEAR ROCK DAM 2	HIGHLAND WATER AUTHORITI	Supply	Earth	High	1904
PA00444	MARTINDALE DAM	PORTAGE MUN AUTH	Supply	Earth	High	1910
PA00500	LLOYDELL DAM	HIGHLAND SEWER AND WATER	Supply	Gravity	High	1906
PA00735	MILL CREEK NO.2 DAM	JOHNSTOWN WATER AUTHORIT	Supply	Earth	High	1899
PA00805	BEAVERDAM RUN DAM	HIGHLAND SEWER WATER	Supply	Earth	High	1975

REPRESENTATIVE MEAN ANNUAL HYDROGRAPH FOR SEASONAL ANALYSIS

ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE
Little Conemaugh River at East Conemaugh, PA
03041000, 56 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 Allegheny Portage Railroad National Historic Site are: Apr. 1 to Jul. 31, Aug. 1 to Oct. 31, and Nov. 1 to Mar. 31.

CONTACTS FOR AGENCY CODES RETRIEVED FOR ALPO/JOFL

AGENCY	PRIMARY CONTACT NAME	ORGANIZATION	PHONE NUMBER(S)	
112WRD	BRIGGS, JOHN	US GEOLOGICAL SURVEY	(703)648-5624	
12NSS	LANDERS, DIXON H.	EPA ENVIRONMENTAL RES LAB	(541)754-4427	
11NPSWRD	TUCKER, DEAN	NATIONAL PARK SERVICE	(970)225-3516	(970)225-3518
21PA	SCHREFFLER, TAMMY	PENNSYLVANIA DPT ENV PROT	(717)787-1511	
11COEHUN	MARCHESE, VINCE	COE HUNTINGTON DIST	(304)576-3302	
11BIOACC	KRONER, STEVE	U.S. EPA MDSD	(202)260-4761	
11TRAIN	HOELMAN, LOUIS	USEPA HQ	(202)260-7050	
21PA20MD	KANETSKY, CHARLES	USEPA REGION 3	(215)597-8176	
1114O100	KANETSKY, CHARLES	USEPA REGION 3	(215)597-8176	

QUANTITY OF DATA RETRIEVED FOR ALPO 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
112WRD	US GEOLOGICAL SURVEY	10/07/26-05/15/97	No Data in Park	41	0	11	0	0	0	3709	0	346	0
12NSS	EPA ENVIRONMENTAL RES LAB	04/14/86-05/04/86	No Data in Park	4	0	0	0	0	0	216	0	27	0
11NPSWRD	NATIONAL PARK SERVICE	07/15/77-06/25/97	05/07/86-06/25/97	295	18	13	0	0	0	12052	514	52	37
21PA	PENNSYLVANIA DPT ENV PROT	03/31/50-11/06/96	No Data in Park	14	0	8	0	1	0	14246	0	119	0
11COEHUN	COE HUNTINGTON DIST	11/25/80-04/28/81	No Data in Park	3	0	0	0	0	0	521	0	40	0
11BIOACC	U.S. EPA MDSD	09/23/87-09/23/87	No Data in Park	1	0	0	0	0	0	80	0	63	0
11TRAIN	USEPA HQ	No Data in S.A.	No Data in Park	1	0	0	0	1	0	0	0	0	0
21PA20MD	USEPA REGION 3	07/26/72-12/03/72	No Data in Park	14	0	0	0	0	0	108	0	6	0
1114O100	USEPA REGION 3	No Data in S.A.	No Data in Park	8	0	0	0	8	0	0	0	0	0
Totals		10/07/26-06/25/97	05/07/86-06/25/97	381	18	32	0	10	0	30932	514	498	37

[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 10/07/26 To 06/25/97

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 06/25/97	01/01/75 to 12/31/84	Before 01/01/75
ALPO0001	FRANKSTOWN BRANCH @ KLADDER STATION	No	80	80	0	0
ALPO0002	FRANK	No	0	0	0	0
ALPO0003	FRANKSTOWN BR JUNIATA R NEAR HOLLIDAYSBURG, PA	No	244	244	0	0
ALPO0004[1]	SPRING/LOGAN #261016	No	488	488	0	0
ALPO0005[1]	SUGAR RUN AT ALTOONA, PA.	No	116	0	0	116
ALPO0006	MCDONALD RUN NR EAST FREEDOM, PA.	No	3	0	0	3
ALPO0007[1]	SUGAR RN NR ALTOONA, PA	No	132	0	132	0
ALPO0008	BLAIR GAP RUN BELOW FOOT OF TEN	Yes	5	5	0	0
ALPO0009	TRIBUTARY BELOW FOOT OF TEN	Yes	12	12	0	0
ALPO0010[1]	ALTOONA WATER PLANT SPRING/LOGAN #261020	No	515	515	0	0
ALPO0011[1]	BLAIRS GAP RUN NEAR FOOT OF TEN, PA	No	97	0	97	0
ALPO0012[1]	KITTANING CREEK NEAR ALTOONA, PA	No	115	0	115	0
ALPO0013	PICNIC AREA ABOVE FOOT OF TEN	Yes	19	19	0	0
ALPO0014[1]	GLENWHITE RUN NEAR ALTOONA, PA	No	114	0	114	0
ALPO0015	MARSHY TRIBUTARY UNDER PICNIC AREA ROAD	Yes	2	2	0	0
ALPO0016[1]	DUNCANSVILLE RES. SPRING/ALLEGHENY #261024	No	515	515	0	0
ALPO0017	CLR	No	6	0	0	6
ALPO0018[1]	SPRING ACID MINE DR/LOGAN #261019	No	514	514	0	0
ALPO0019	BLAIR GAP RUN DOWNSTREAM OF MULESHOE BRIDGE	Yes	23	23	0	0
ALPO0020	ADAMS/BLAIR RUN BELOW MULESHOE RESERVOIR	Yes	22	22	0	0
ALPO0021[1]	GALLITZEN SRPING/JUNIATA #261029	No	515	515	0	0
ALPO0022[1]	SPRING/ALLEGHENY #261021	No	501	501	0	0
ALPO0023	BLAIR GAP RUN BELOW SKEW ARCH BRIDGE	Yes	17	17	0	0
ALPO0024	CULVERT ON BLAIR GAP RUN BELOW SKEW ARCH BRIDGE	Yes	6	6	0	0
ALPO0025	CULVERT UNDER OLD ROUTE 22	Yes	2	2	0	0
ALPO0026	SPRING #3 701	No	16	0	0	16
ALPO0027	SPRING #4 701	No	31	0	14	17
ALPO0028	BLAIR GAP RUN ACROSS ROUTE 22 FROM LEMON HOUSE	Yes	21	21	0	0
ALPO0029	12	No	20	0	0	20
ALPO0030	11	No	20	0	0	20
ALPO0031	CHRISTIE HOLLOW CH-17	No	17	17	0	0
ALPO0032	CHRISTIE HOLLOW CH-18	No	17	17	0	0
ALPO0033	CHRISTIE HOLLOW CH-21	No	17	17	0	0
ALPO0034	CLR	No	6	0	0	6
ALPO0035	CHRISTIE HOLLOW CH-13	No	16	16	0	0
ALPO0036	CLR	No	6	0	0	6
ALPO0037	CHRISTIE HOLLOW CH-04	No	17	17	0	0
ALPO0038	CHRISTIE HOLLOW CH-31	No	19	19	0	0
ALPO0039	KOKOMO RUN K-62	No	91	91	0	0
ALPO0040[1]	CHRISTIE HOLLOW CH-28	No	72	72	0	0
ALPO0041	KOKOMO RUN K-61	No	108	108	0	0
ALPO0042[1]	CHRISTIE HOLLOW CH-27	No	70	70	0	0
ALPO0043	CHRISTIE HOLLOW CH-33	No	17	17	0	0
ALPO0044	CHRISTIE HOLLOW CH-12	No	34	34	0	0
ALPO0045	CHRISTIE HOLLOW CH-42	No	34	34	0	0
ALPO0046	CHRISTIE HOLLOW CH-41	No	17	17	0	0
ALPO0047	KOKOMO RUN K-67	No	86	86	0	0
ALPO0048	CHRISTIE HOLLOW CH-10	No	17	17	0	0
ALPO0049	CHRISTIE HOLLOW CH-11	No	17	17	0	0
ALPO0050	CLR	No	6	0	0	6
ALPO0051	KOKOMO RUN K-04	No	36	36	0	0
ALPO0052	CHRISTIE HOLLOW CH-29	No	17	17	0	0
ALPO0053	CHRISTIE HOLLOW CH-34	No	17	17	0	0
ALPO0054	TRA	No	6	0	0	6
ALPO0055	KOKOMO RUN K-12	No	17	17	0	0
ALPO0056	TRA	No	6	0	0	6
ALPO0057	TRA	No	6	0	0	6
ALPO0058	BEAR ROCK RUN BR-09	No	34	34	0	0
ALPO0059[1]	CHRISTIE HOLLOW CH-26	No	86	86	0	0
ALPO0060	TRA	No	6	0	0	6
ALPO0061	TRA	No	6	0	0	6
ALPO0062	BEAR ROCK RUN BR-14	No	51	51	0	0
ALPO0063	TRA	No	6	0	0	6
ALPO0064	TRA	No	6	0	0	6
ALPO0065	TRA	No	6	0	0	6
ALPO0066	KOKOMO RUN K-60	No	106	106	0	0
ALPO0067	KOKOMO RUN K-38	No	17	17	0	0
ALPO0068	KOKOMO RUN K-64	No	107	107	0	0
ALPO0069	KOKOMO RUN K-34	No	17	17	0	0
ALPO0070	KOKOMO RUN K-59	No	54	54	0	0
ALPO0071	KOKOMO RUN K-58	No	90	90	0	0

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Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 06/25/97	01/01/75 to 12/31/84	Before 01/01/75
ALPO0072	KOKOMO RUN K-56	No	90	90	0	0
ALPO0073	UNNAMED TRIBUTARY UT01	No	17	17	0	0
ALPO0074	UNNAMED TRIBUTARY UT02	No	17	17	0	0
ALPO0075	KOKOMO RUN K-19	No	68	68	0	0
ALPO0076	TRA	No	18	0	0	18
ALPO0077	UNNAMED TRIBUTARY UT03	No	17	17	0	0
ALPO0078	LITTLE CONEMAUGH RIVER LCR-10	No	17	17	0	0
ALPO0079	CLR	No	18	0	0	18
ALPO0080	LITTLE CONEMAUGH RIVER LCR-11	No	17	17	0	0
ALPO0081	LITTLE CONEMAUGH RIVER LCR-12	No	72	72	0	0
ALPO0082	BENSCREEK BC-31	No	17	17	0	0
ALPO0083	LITTLE CONEMAUGH RIVER LCR-13	No	18	18	0	0
ALPO0084	UNNAMED TRIBUTARY UT04	No	17	17	0	0
ALPO0085	BENSCREEK BC-42	No	17	17	0	0
ALPO0086	BENSCREEK BC-01	No	17	17	0	0
ALPO0087	BENSCREEK BC-40	No	17	17	0	0
ALPO0088	BENSCREEK BC-41	No	17	17	0	0
ALPO0089	BENSCREEK BC-08	No	17	17	0	0
ALPO0090	BENSCREEK BC-09	No	17	17	0	0
ALPO0091	UNNAMED TRIBUTARY UT07-08	No	73	73	0	0
ALPO0092	BENSCREEK BC-10	No	17	17	0	0
ALPO0093	UNNAMED TRIBUTARY UT07-07	No	73	73	0	0
ALPO0094	UNNAMED TRIBUTARY UT05	No	17	17	0	0
ALPO0095	LITTLE CONEMAUGH RIVER LCR-20	No	17	17	0	0
ALPO0096	BEAR ROCK RUN BR-26	No	17	17	0	0
ALPO0097	BENSCREEK BC-11	No	34	34	0	0
ALPO0098	UNNAMED TRIBUTARY UT07-01	No	34	34	0	0
ALPO0099	TROUT RUN TR-72	No	17	17	0	0
ALPO0100	TROUT RUN TR-71	No	53	53	0	0
ALPO0101	LITTLE CONEMAUGH RIVER LCR-24	No	70	70	0	0
ALPO0102	TROUT RUN TR-69	No	17	17	0	0
ALPO0103	BENSCREEK BC-19	No	51	51	0	0
ALPO0104	TROUT RUN TR-76	No	51	51	0	0
ALPO0105	TROUT RUN TR-68	No	17	17	0	0
ALPO0106	LITTLE CONEMAUGH RIVER LCR-23	No	35	35	0	0
ALPO0107	LITTLE CONEMAUGH RIVER LCR-27	No	35	35	0	0
ALPO0108	TROUT RUN TR-63	No	17	17	0	0
ALPO0109	TROUT RUN TR-64	No	17	17	0	0
ALPO0110	TROUT RUN TR-74	No	68	68	0	0
ALPO0111	TROUT RUN TR-47	No	34	34	0	0
ALPO0112	TROUT RUN TR-60	No	17	17	0	0
ALPO0113	TROUT RUN TR-75	No	17	17	0	0
ALPO0114	TROUT RUN TR-57	No	17	17	0	0
ALPO0115	BENSCREEK BC-21	No	17	17	0	0
ALPO0116	TROUT RUN TR-55	No	17	17	0	0
ALPO0117	TROUT RUN TR-53	No	17	17	0	0
ALPO0118	TROUT RUN TR-43	No	51	51	0	0
ALPO0119	TROUT RUN TR-41	No	17	17	0	0
ALPO0120	BENSCREEK BC-22	No	36	36	0	0
ALPO0121	BENSCREEK BC-23	No	17	17	0	0
ALPO0122	TROUT RUN TR-39	No	34	34	0	0
ALPO0123	BENSCREEK BC-44	No	17	17	0	0
ALPO0124	SPRING RUN SR-39	No	34	34	0	0
ALPO0125	BENSCREEK BC-29	No	68	68	0	0
ALPO0126	LITTLE CONEMAUGH RIVER LCR-30	No	34	34	0	0
ALPO0127	TROUT RUN TR-36	No	17	17	0	0
ALPO0128	LITTLE CONEMAUGH RIVER LCR-31	No	33	33	0	0
ALPO0129	TROUT RUN TR-37	No	72	72	0	0
ALPO0130	LITTLE CONEMAUGH RIVER	No	54	54	0	0
ALPO0131	UNNAMED TRIBUTARY UT06	No	17	17	0	0
ALPO0132	TROUT RUN TR-73	No	73	73	0	0
ALPO0133	TROUT RUN TR-35	No	74	74	0	0
ALPO0134	LITTLE CONEMAUGH RIVER LCR-37	No	54	54	0	0
ALPO0135	SPRING RUN SR-27	No	72	72	0	0
ALPO0136	SPRING RUN SR-37	No	16	16	0	0
ALPO0137	SPRING RUN SR-25	No	73	73	0	0
ALPO0138	SPRING RUN SR-22	No	17	17	0	0
ALPO0139	TROUT RUN TR-31	No	17	17	0	0
ALPO0140	TROUT RUN TR-23	No	19	19	0	0
ALPO0141	TROUT RUN TR-22	No	19	19	0	0
ALPO0142[1]	HUGHES BOREHOLE #2 (H2)	No	144	144	0	0

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Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 06/25/97	01/01/75 to 12/31/84	Before 01/01/75
ALPO0143	NEAR HUGHES BOREHOLE #2 (H2A)	No	17	17	0	0
ALPO0144	NEAR HUGHES BOREHOLE #2 (H2B)	No	17	17	0	0
ALPO0145	LITTLE CONEMAUGH RIVER LCR-32	No	33	33	0	0
ALPO0146	SPRING RUN SR-10	No	65	65	0	0
ALPO0147	SPRING RUN SR-17	No	18	18	0	0
ALPO0148	SPRING RUN SR-18	No	17	17	0	0
ALPO0149	LITTLE CONEMAUGH RIVER LCR-33	No	50	50	0	0
ALPO0150	NOELS RUN NO-01	No	17	17	0	0
ALPO0151	LITTLE CONEMAUGH RIVER LCR-55	No	34	34	0	0
ALPO0152	TROUT RUN TR-14	No	109	109	0	0
ALPO0153	TROUT RUN TR-13	No	74	74	0	0
ALPO0154	TROUT RUN TR-12	No	17	17	0	0
ALPO0155	TROUT RUN TR-11	No	69	69	0	0
ALPO0156	TROUT RUN TR-10	No	17	17	0	0
ALPO0157	SPRING RUN SR-01	No	69	69	0	0
ALPO0158	LITTLE CONEMAUGH RIVER LCR-40	No	17	17	0	0
ALPO0159	LITTLE CONEMAUGH RIVER LCR-41	No	17	17	0	0
ALPO0160	LITTLE CONEMAUGH RIVER LCR-46	No	71	71	0	0
ALPO0161	LITTLE CONEMAUGH RIVER LCR-44	No	71	71	0	0
ALPO0162	LITTLE CONEMAUGH RIVER LCR-45	No	71	71	0	0
ALPO0163	SFL CONEMAUGH .5 MILE ABOVE HIGHLAND WATER GATE	No	211	211	0	0
ALPO0164	NORTH BRANCH LITTLE CONEMAUGH RIVER NB-08	No	16	16	0	0
ALPO0165	L. CONEMAUGH RIVER ABOVE HIGHLAND WATER GATE	No	15	15	0	0
ALPO0166	NORTH BRANCH LITTLE CONEMAUGH RIVER NB-09	No	17	17	0	0
ALPO0167	WILMORE RESERVOIR (N BR LITTLE CONEMAUGH RV)	No	67	67	0	0
ALPO0168	KANE RUN KR-01	No	17	17	0	0
ALPO0169	BOTTLE RUN BT-01	No	17	17	0	0
ALPO0170	LITTLE CONEMAUGH RIVER LCR-50	No	33	33	0	0
ALPO0171	TROUT RUN TR-01	No	68	68	0	0
ALPO0172	LITTLE CONEMAUGH RIVER LCR-51	No	33	33	0	0
ALPO0173	SOUTH FORK LITTLE CONEMAUGH RIVER SF-16	No	55	55	0	0
ALPO0174	SOUTH FORK LITTLE CONEMAUGH RIVER SF-21	No	56	56	0	0
ALPO0175	LITTLE CONEMAUGH RIVER LCR-57	No	16	16	0	0
ALPO0176	SOUTH FORK LITTLE CONEMAUGH RIVER SF-25	No	74	74	0	0
ALPO0177	BEAVERDAM RUN AT BEAVERDALE	No	218	218	0	0
ALPO0178	S FORK LITTLE CONEMAUGH ABOVE BEAVER DAM RUN	No	101	101	0	0
ALPO0179	BEAVERDAM RUN BDR-01	No	17	17	0	0
ALPO0180	SULFUR CREEK SC-16	No	16	16	0	0
ALPO0181	SULFUR CREEK SC-18	No	35	35	0	0
ALPO0182	SULFUR CREEK SC-20	No	33	33	0	0
ALPO0183	SULFUR CREEK SC-17	No	35	35	0	0
ALPO0184	SULFUR CREEK SC-19	No	17	17	0	0
ALPO0185	SULFUR CREEK SC-21	No	16	16	0	0
ALPO0186	SOUTH FORK LITTLE CONEMAUGH RIVER SF-28	No	31	31	0	0
ALPO0187	SULFUR CREEK SC-23	No	17	17	0	0
ALPO0188	SULFUR CREEK SC-22	No	17	17	0	0
ALPO0189	SULFUR CREEK SC-15	No	34	34	0	0
ALPO0190	NORTH BRANCH LITTLE CONEMAUGH RIVER NB-04	No	46	46	0	0
ALPO0191	NORTH BRANCH LITTLE CONEMAUGH RIVER NB-03	No	17	17	0	0
ALPO0192	UNNAMED TRIBUTARY UT17-10	No	50	50	0	0
ALPO0193	UNNAMED TRIBUTARY UT17-07	No	35	35	0	0
ALPO0194	NORTH BRANCH LITTLE CONEMAUGH RIVER NB-02	No	17	17	0	0
ALPO0195	UNNAMED TRIBUTARY UT15	No	17	17	0	0
ALPO0196	SOUTH FORK LITTLE CONEMAUGH RIVER SF-37	No	54	54	0	0
ALPO0197	SULFUR CREEK SC-13	No	17	17	0	0
ALPO0198	SULFUR CREEK SC-11	No	51	51	0	0
ALPO0199[1]	L CONEMAUGH RIVER AT WILMORE, PA	No	130	0	130	0
ALPO0200	SULFUR CREEK SC-12	No	16	16	0	0
ALPO0201	SULFUR CREEK SC-08	No	51	51	0	0
ALPO0202	LITTLE CONEMAUGH RIVER LCR-60	No	15	15	0	0
ALPO0203	LITTLE CONEMAUGH RIVER	No	54	54	0	0
ALPO0204	SULFUR CREEK SC-07	No	16	16	0	0
ALPO0205	NORTH BRANCH LITTLE CONEMAUGH RIVER NB-01	No	17	17	0	0
ALPO0206	UNNAMED TRIBUTARY UT16	No	17	17	0	0
ALPO0207	SULFUR CREEK SC-14	No	16	16	0	0
ALPO0208	UNNAMED TRIBUTARY UT17	No	17	17	0	0
ALPO0209	SOUTH FORK LITTLE CONEMAUGH RIVER SF-41	No	70	70	0	0
ALPO0210	BIRCH RUN BI-01	No	17	17	0	0
ALPO0211	SOUTH FORK LITTLE CONEMAUGH RIVER SF-42	No	71	71	0	0
ALPO0212	SOUTH FORK LITTLE CONEMAUGH RIVER SF-39	No	18	18	0	0
ALPO0213	MUD RUN MR-01	No	17	17	0	0

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ALPO0214	SOUTH FORK LITTLE CONEMAUGH RIVER SF-44	No	17	17	0	0
ALPO0215	UNNAMED TRIBUTARY UT18	No	17	17	0	0
ALPO0216	UNNAMED TRIBUTARY UT19	No	17	17	0	0
ALPO0217	UNNAMED TRIBUTARY UT20	No	17	17	0	0
ALPO0218	SULFUR CREEK SC-02	No	57	57	0	0
ALPO0219	SULFUR CREEK SC-03	No	33	33	0	0
ALPO0220	SULFUR CREEK SC-01	No	33	33	0	0
ALPO0221	UNNAMED TRIBUTARY UT21	No	17	17	0	0
ALPO0222	OTTO RUN OT-03	No	68	68	0	0
ALPO0223	OTTO RUN OT-02	No	66	66	0	0
ALPO0224	OTTO RUN OT-04	No	50	50	0	0
ALPO0225	S FORK L. CONEMAUGH ABOVE OTTO RUN CONFLUENCE	No	55	55	0	0
ALPO0226	SOUTH FORK LITTLE CONEMAUGH RIVER SF-48	No	33	33	0	0
ALPO0227	OTTO RUN OT-01	No	51	51	0	0
ALPO0228	ROARING RUN RR-01	No	17	17	0	0
ALPO0229	OTTO RUN AT ROUTE 869 AT SIDMAN	No	219	219	0	0
ALPO0230	SOUTH FORK LITTLE CONEMAUGH RIVER SF-49	No	33	33	0	0
ALPO0231	OTTO RUN NEAR MOUTH	No	0	0	0	0
ALPO0232	UNNAMED TRIBUTARY UT24	No	17	17	0	0
ALPO0233	S FORK L. CONEMAUGH ABOVE LAUREL RUN CONFLUENCE	No	80	80	0	0
ALPO0234	LAUREL RUN LA-01	No	17	17	0	0
ALPO0235	LAUREL RUN AT 5TH STREET IN CRESLO	No	219	219	0	0
ALPO0236	SOUTH FORK LITTLE CONEMAUGH RIVER SF-52	No	17	17	0	0
ALPO0237	TOPPER RUN TO-01	No	17	17	0	0
ALPO0238	S FORK L. CONEMAUGH TRIB AT ST. MICHAEL FIREHALL	No	214	214	0	0
ALPO0239	L. CONEMAUGH TRIB. ST. MICHAEL'S FIRE STATION	No	20	20	0	0
ALPO0240	TOPER RUN TO-04	No	70	70	0	0
ALPO0241	TOPPER RUN TO-05	No	18	18	0	0
ALPO0242	TOPPER RUN TO-07	No	49	49	0	0
ALPO0243	SOUTH FORK LITTLE CONEMAUGH RIVER SF-53	No	17	17	0	0
ALPO0244	TOPPER RUN TO-08	No	35	35	0	0
ALPO0245	TOPPER RUN TO-10	No	16	16	0	0
ALPO0246	LITTLE CONEMAUGH RIVER LCR-64	No	53	53	0	0
ALPO0247	TOPPER RUN TO-11	No	16	16	0	0
ALPO0248	LITTLE CONEMAUGH RIVER LCR-62	No	34	34	0	0
ALPO0249	SOUTH FORK LITTLE CONEMAUGH RIVER SF-57	No	17	17	0	0
ALPO0250	LITTLE CONEMAUGH RIVER LCR-58	No	18	18	0	0
ALPO0251	LITTLE CONEMAUGH RIVER LCR-59	No	34	34	0	0
ALPO0252	LITTLE CONEMAUGH RIVER LCR-63	No	16	16	0	0
ALPO0253	SOUTH FORK LITTLE CONEMAUGH RIVER SF-59	Yes	17	17	0	0
ALPO0254	S. FORK L. CONEMAUGH AT JOHNSTOWN FLOOD MEMORIAL	Yes	219	219	0	0
ALPO0255	SOUTH FORK LITTLE CONEMAUGH RIVER SF-61	Yes	17	17	0	0
ALPO0256	LITTLE CONEMAUGH RIVER LCR-65	No	73	73	0	0
ALPO0257	LITTLE CONEMAUGH RIVER LCR-66	No	69	69	0	0
ALPO0258	LITTLE CONEMAUGH RIVER LCR-69	No	68	68	0	0
ALPO0259	SANDY RUN-NR MOUTH-ADAMS TWP	No	201	0	0	201
ALPO0260	SANDY RUN SA-01	No	17	17	0	0
ALPO0261	LITTLE CONEMAUGH RIVER LCR-75	No	53	53	0	0
ALPO0262[!]	S FORK AT SOUKSBURG, PA	No	127	0	127	0
ALPO0263	SOUTH FORK LITTLE CONEMAUGH RIVER SF-64	No	17	17	0	0
ALPO0264	UNNAMED TRIBUTARY UT27-02	No	53	53	0	0
ALPO0265	SOUTH FORK LITTLE CONEMAUGH RIVER SF-66	No	53	53	0	0
ALPO0266	S. FORK L. CONEMAUGH ABOVE MOUTH	No	0	0	0	0
ALPO0267	SOUTH FORK ABOVE MOUTH	No	0	0	0	0
ALPO0268	SOUTH FORK LITTLE CONEMAUGH RIVER SF-69	No	34	34	0	0
ALPO0269	L. CONEMAUGH R. AT USGS,CONEMAUG	No	0	0	0	0
ALPO0270	CONEMAUGH R. BELOW SOUTH FORK	No	0	0	0	0
ALPO0271	LITTLE CONEMAUGH RIVER LCR-80	No	34	34	0	0
ALPO0272	UNNAMED TRIBUTARY UT30-03	No	17	17	0	0
ALPO0273	UNNAMED TRIBUTARY UT30-01	No	15	15	0	0
ALPO0274	UNNAMED TRIBUTARY UT30-04	No	18	18	0	0
ALPO0275	LITTLE PAINT CREEK	No	54	54	0	0
ALPO0276	BENSCREEK BE-01	No	35	35	0	0
ALPO0277	SALT LICK RUN SL-03	No	51	51	0	0
ALPO0278	SITE 79 GEISTOWN QUAD	No	19	19	0	0
ALPO0279	SALT LICK RUN SL-02	No	35	35	0	0
ALPO0280	CLAPBOARD RUN CL-11	No	18	18	0	0
ALPO0281	LITTLE PAINT CREEK	No	54	54	0	0
ALPO0282[!]	LITTLE PAINT CREEK AT SCALP LEVEL, PA SITE 829	No	164	37	127	0
ALPO0283	SITE 81 WINDBER QUAD	No	19	19	0	0
ALPO0284	UNNAMED TRIBUTARY UT35	No	17	17	0	0

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ALPO0285	CLAPBOAR RUN CL-18	No	83	83	0	0
ALPO0286	LITTLE CONEMAUGH RIVER LCR-87	No	53	53	0	0
ALPO0287	CLAPBOARD RUN CL-16	No	84	84	0	0
ALPO0288	LITTLE CONEMAUGH RIVER LCR-90	No	52	52	0	0
ALPO0289	LITTLE CONEMAUGH RIVER LCR-91	No	34	34	0	0
ALPO0290	CLAPBOARD RUN CL-21	No	17	17	0	0
ALPO0291	CLAPBOARD RUN CL-17	No	17	17	0	0
ALPO0292	LITTLE CONEMAUGH RIVER LCR-93	No	53	53	0	0
ALPO0293	LITTLE CONEMAUGH RIVER LCR-86	No	53	53	0	0
ALPO0294	LITTLE CONEMAUGH RIVER LCR-92	No	51	51	0	0
ALPO0295	LITTLE CONEMAUGH RIVER LCR-94	No	52	52	0	0
ALPO0296	SECOND STREAM EAST OF STAPLE BEND TUNNEL	Yes	2	2	0	0
ALPO0297	LITTLE CONEMAUGH RIVER LCR-95	No	52	52	0	0
ALPO0298	LITTLE CONEMAUGH RIVER LCR-88	Yes	36	36	0	0
ALPO0299	LITTLE CONEMAUGH RIVER LCR-85	Yes	36	36	0	0
ALPO0300	LITTLE CONEMAUGH RIVER LCR-97	No	53	53	0	0
ALPO0301	LITTLE CONEMAUGH RIVER LCR-96	Yes	54	54	0	0
ALPO0302	CLAPBOARD RUN CL-43	No	18	18	0	0
ALPO0303	CLAPBOARD RUN CL-44	No	16	16	0	0
ALPO0304	LITTLE CONEMAUGH RIVER LCR-84	No	51	51	0	0
ALPO0305	CLAPBOARD RUN CL-48	No	17	17	0	0
ALPO0306	CLAPBOARD RUN CL-42	No	18	18	0	0
ALPO0307	UNNAMED TRIBUTARY UT35-01	No	18	18	0	0
ALPO0308	LITTLE CONEMAUGH RIVER LCR-100	No	35	35	0	0
ALPO0309	STREAM WEST OF STAPLE BEND TUNNEL	Yes	4	4	0	0
ALPO0310	LITTLE CONEMAUGH RIVER LCR-101	No	35	35	0	0
ALPO0311	SITE 184 WINDBER QUAD	No	41	41	0	0
ALPO0312	SITE 185 WINDBER QUAD	No	25	25	0	0
ALPO0313	CLAPBOARD RUN CL-39	No	30	30	0	0
ALPO0314	CLAPBOARD RUN CL-38	No	63	63	0	0
ALPO0315	CLAPBOARD RUN CL-33	No	17	17	0	0
ALPO0316	LITTLE CONEMAUGH RIVER LCR-107	No	17	17	0	0
ALPO0317	SITE 80 WINDBER QUAD	No	21	21	0	0
ALPO0318	PASO673R	No	12	0	12	0
ALPO0319	LITTLE CONEMAUGH RIVER LCR-104	No	36	36	0	0
ALPO0320	SITE 110	No	39	39	0	0
ALPO0321	SITE 131	No	20	20	0	0
ALPO0322	LASKY LANDFILL MONITORING SPRING MP1	No	0	0	0	0
ALPO0323	PAINT CREEK AT MOUTH	No	0	0	0	0
ALPO0324	CLAPBOARD RUN CL-37	No	64	64	0	0
ALPO0325	LITTLE CONEMAUGH RIVER LCR-108	No	35	35	0	0
ALPO0326	SPRING-EMRGNCY 601	No	15	0	0	15
ALPO0327	SITE 109	No	19	19	0	0
ALPO0328	STONYCREEK RIVER NEAR WINDBER, PA SITE 804	No	39	39	0	0
ALPO0329	PAINT CREEK NEAR WINDBER, PA SITE 830	No	42	42	0	0
ALPO0330	LITTLE CONEMAUGH RIVER AT EAST CONEMAUGH, PA.	No	16	0	0	16
ALPO0331	SITE 181 HOOVERSVILLE QUAD	No	21	21	0	0
ALPO0332	SITE 107	No	21	21	0	0
ALPO0333	SITE 108	No	20	20	0	0
ALPO0334[1]	LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/JOHNSTWN	No	5375	1024	2954	1397
ALPO0335	SITE 189	No	21	21	0	0
ALPO0336	SOLOMON RUN AT MOUTH	No	0	0	0	0
ALPO0337	HINKSTON RUN HR-03	No	18	18	0	0
ALPO0338	HINKSTON RUN HR-02	No	35	35	0	0
ALPO0339	SITE 196	No	40	40	0	0
ALPO0340	SITE 195	No	20	20	0	0
ALPO0341	SITE 193	No	20	20	0	0
ALPO0342	SITE 197	No	20	20	0	0
ALPO0343	SOLOMON RUN AT JOHNSTOWN, PA SITE 835	No	41	41	0	0
ALPO0344	SITE 192	No	21	21	0	0
ALPO0345	SITE 190	No	42	42	0	0
ALPO0346	STONY CREEK IN JOHNSTOWN, PA. - MILE 1.6	No	182	0	182	0
ALPO0347	LAUREL RUN LAR-01	No	16	16	0	0
ALPO0348[1]	STONY CRK-RTE 53 BR-FERNDALE	No	5493	1068	2992	1433
ALPO0349	SITE 199	No	20	20	0	0
ALPO0350	LITTLE CONEMAUGH RIVER AT JOHNSTOWN, PA.	No	269	0	111	158
ALPO0351[1]	STONYCREEK RIVER AT FERNDALE, PA.	No	1213	628	432	153
ALPO0352	LITTLE CONEMAUGH RIVER IN JOHNSTOWN,PA. - MI 0.3	No	147	0	147	0
ALPO0353	STONY CREEK AT USGS AT RIVERSID	No	0	0	0	0
ALPO0354	SITE 198	No	20	20	0	0
ALPO0355	HINKSTON RUN HR-01	No	45	45	0	0

Station Period of Record Tabulation
From 10/07/26 To 06/25/97

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 06/25/97	01/01/75 to 12/31/84	Before 01/01/75
ALPO0356[1]	HINCKSTON RUN AT MINERSVILLE, PA	No	131	0	131	0
ALPO0357	SITE 149	No	21	21	0	0
ALPO0358	CONEMAUGH RIVER AT JOHNSTOWN, PA. - MILE 51.7	No	192	0	192	0
ALPO0359[1]	BENS C AT FERNDALE, PA SITE 834	No	166	39	127	0
ALPO0360	CONEMAUGH RIVER CR-01	No	17	17	0	0
ALPO0361[1]	STONYCREEK SCR-01	No	50	50	0	0
ALPO0362[1]	GRAY RUN GR-01	No	116	116	0	0
ALPO0363[1]	STONYCREEK SCR-02	No	41	41	0	0
ALPO0364	GRAY RUN GR-04	No	52	52	0	0
ALPO0365	GRAY RUN GR-46	No	65	65	0	0
ALPO0366[1]	GRAY RUN GR-29	No	85	85	0	0
ALPO0367[1]	GRAY RUN GR-28	No	93	93	0	0
ALPO0368	GRAY RUN GR-54	No	34	34	0	0
ALPO0369	GRAY RUN GR-52	No	82	82	0	0
ALPO0370	GRAY RUN GR-51	No	69	69	0	0
ALPO0371	GRAY RUN GR-53	No	17	17	0	0
ALPO0372	GRAY RUN GR-50	No	103	103	0	0
ALPO0373	GRAY RUN GR-32	No	51	51	0	0
ALPO0374[1]	GRAY RUN GR-09	No	60	60	0	0
ALPO0375	GRAY RUN GR-48	No	104	104	0	0
ALPO0376	GRAY RUN GR-49	No	86	86	0	0
ALPO0377[1]	GRAY RUN GR-12	No	99	99	0	0
ALPO0378[1]	GRAY RUN GR-14	No	69	69	0	0
ALPO0379[1]	GRAY RUN GR-13	No	68	68	0	0
ALPO0380	GRAY RUN GR-38	No	17	17	0	0
ALPO0381	GRAY RUN GR-39	No	17	17	0	0

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

Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Parameter Code	Name	Total Obs	01/01/85 to 06/25/97	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	22	0	0	22	3	0
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	22	0	0	22	3	0
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	602	602	0	0	271	5
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	1178	798	276	104	327	6
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	1	1	0	0	1	0
00025	BAROMETRIC PRESSURE (MM OF HG)	14	14	0	0	1	0
00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	272	57	13	202	39	0
00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	127	57	69	1	36	0
00049	SURFACE AREA IN SQUARE MILES	2	0	0	2	1	0
00055	VELOCITY, STREAM FT/SEC	1	1	0	0	1	0
00058	FLOW, RATE GALLONS/MIN	564	562	0	2	262	5
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	27	25	0	2	23	0
00060	FLOW, STREAM, MEAN DAILY CFS	279	0	92	187	5	0
00061	FLOW, STREAM, INSTANTANEOUS CFS	351	117	213	21	53	0
00064	DEPTH OF STREAM, MEAN (FT)	8	8	0	0	4	0
00065	STAGE, STREAM (FEET)	274	82	190	2	3	0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	159	0	52	107	7	0
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	125	0	125	0	5	0
00080	COLOR (PLATINUM-COBALT UNITS)	120	8	19	93	15	0
00086	ODOR (THRESHOLD NUMBER AT 60 DEG C)	7	0	0	7	2	0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	684	669	15	0	285	6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1080	747	286	47	326	12
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	264	250	14	0	107	4
00300	OXYGEN, DISSOLVED MG/L	372	86	187	99	10	0
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	41	41	0	0	9	1
00310	BOD, 5 DAY, 20 DEG C MG/L	78	1	2	75	3	0
00400	PH (STANDARD UNITS)	478	123	233	122	50	0
00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	19	19	0	0	8	8
00403	PH, LAB, STANDARD UNITS SU	1343	905	250	188	345	18
00405	CARBON DIOXIDE (MG/L AS CO2)	9	0	0	9	4	0
00406	PH, FIELD, STANDARD UNITS SU	677	677	0	0	277	6
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	8	8	0	0	4	0
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1215	815	269	131	342	5
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	33	33	0	0	12	12
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	83	83	0	0	10	1
00435	ACIDITY, TOTAL (MG/L AS CACO3)	681	595	67	19	299	5
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	271	44	87	140	20	0
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	325	85	64	176	18	1
00440	BICARBONATE ION (MG/L AS HCO3)	27	9	0	18	11	0
00445	CARBONATE ION (MG/L AS CO3)	11	1	0	10	4	0
00500	RESIDUE, TOTAL (MG/L)	126	0	47	79	7	0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	462	255	203	4	47	8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	223	3	143	77	6	0
00545	RESIDUE, SETTLEABLE (ML/L)	3	0	3	0	2	0
00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	1	1	0	0	1	0
00573	BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)	1	1	0	0	1	0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	12	12	0	0	1	0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	557	294	232	31	30	1
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12	12	0	0	1	0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	488	235	223	30	25	1
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10	0	0	10	4	0
00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	1	0	1	0	1	0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	548	294	223	31	25	1
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	12	12	0	0	1	0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	23	12	11	0	4	0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10	0	10	0	4	0
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12	12	0	0	1	0
00639	NITROGEN, ALBUMINOID AS N IN MG/L	3	0	0	3	3	0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	33	0	0	33	3	0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	415	159	230	26	15	0
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	20	20	0	0	5	0
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	14	12	0	2	2	0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	176	96	79	1	10	0
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	20	20	0	0	5	0
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	37	37	0	0	27	0
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	7	0	7	0	7	0
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	7	0	7	0	7	0
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	11	11	0	0	1	0
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	8	8	0	0	4	0
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	7	0	7	0	7	0
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	119	72	47	0	2	0

Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Parameter Code	Name	Total Obs	01/01/85 to 06/25/97	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	274	74	196	4	6	0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	625	257	238	130	31	1
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	23	0	1	22	6	0
00915	CALCIUM, DISSOLVED (MG/L AS CA)	111	20	50	41	10	0
00916	CALCIUM, TOTAL (MG/L AS CA)	468	283	185	0	22	1
00920	MAGNESIUM (MG/L AS CACO3)	1	0	1	0	1	0
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	109	20	49	40	10	0
00927	MAGNESIUM, TOTAL (MG/L AS MG)	436	255	181	0	21	1
00929	SODIUM, TOTAL (MG/L AS NA)	144	130	14	0	9	0
00930	SODIUM, DISSOLVED (MG/L AS NA)	37	20	2	15	8	0
00931	SODIUM ADSORPTION RATIO	14	0	1	13	3	0
00932	SODIUM, PERCENT	13	0	1	12	3	0
00933	SODIUM,PLUS POTASSIUM (MG/L)	2	0	1	1	2	0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	30	20	1	9	6	0
00937	POTASSIUM, TOTAL MG/L AS K)	144	130	14	0	9	0
00940	CHLORIDE,TOTAL IN WATER MG/L	570	217	224	129	19	0
00941	CHLORIDE, DISSOLVED IN WATER MG/L	8	8	0	0	4	0
00945	SULFATE, TOTAL (MG/L AS SO4)	1477	949	302	226	349	6
00946	SULFATE, DISSOLVED (MG/L AS SO4)	8	8	0	0	4	0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	34	20	1	13	11	0
00951	FLUORIDE, TOTAL (MG/L AS F)	38	37	0	1	28	0
00955	SILICA, DISSOLVED (MG/L AS SI02)	30	20	1	9	6	0
00956	SILICA, TOTAL (MG/L AS SI02)	70	70	0	0	6	0
00997	ARSENIC, INORGANIC TOT (UG/L AS AS)	2	0	0	2	2	0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	1	1	0	0	1	0
01002	ARSENIC, TOTAL (UG/L AS AS)	109	98	11	0	9	0
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	6	0	6	0	6	0
01005	BARIUM, DISSOLVED (UG/L AS BA)	1	1	0	0	1	0
01007	BARIUM, TOTAL (UG/L AS BA)	104	94	10	0	10	0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	1	1	0	0	1	0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	9	0	9	0	3	0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	1	1	0	0	1	0
01027	CADMIUM, TOTAL (UG/L AS CD)	136	102	32	2	12	0
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	6	0	6	0	6	0
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	6	0	6	0	6	0
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	1	1	0	0	1	0
01034	CHROMIUM, TOTAL (UG/L AS CR)	136	102	32	2	12	0
01035	COBALT, DISSOLVED (UG/L AS CO)	1	1	0	0	1	0
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	6	0	6	0	6	0
01040	COPPER, DISSOLVED (UG/L AS CU)	1	1	0	0	1	0
01042	COPPER, TOTAL (UG/L AS CU)	138	104	32	2	12	0
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	6	0	6	0	6	0
01044	IRON, SUSPENDED (UG/L AS FE)	66	0	66	0	10	0
01045	IRON, TOTAL (UG/L AS FE)	1415	920	306	189	331	6
01046	IRON, DISSOLVED (UG/L AS FE)	721	644	67	10	308	5
01047	IRON, FERROUS (UG/L AS FE)	96	78	0	18	71	0
01049	LEAD, DISSOLVED (UG/L AS PB)	1	1	0	0	1	0
01051	LEAD, TOTAL (UG/L AS PB)	138	104	32	2	12	0
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	6	0	6	0	6	0
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	6	0	6	0	6	0
01054	MANGANESE, SUSPENDED (UG/L AS MN)	66	0	66	0	10	0
01055	MANGANESE, TOTAL (UG/L AS MN)	913	801	105	7	329	6
01056	MANGANESE, DISSOLVED (UG/L AS MN)	692	618	67	7	297	5
01059	THALLIUM, TOTAL (UG/L AS TL)	6	0	6	0	3	0
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	1	1	0	0	1	0
01065	NICKEL, DISSOLVED (UG/L AS NI)	1	1	0	0	1	0
01067	NICKEL, TOTAL (UG/L AS NI)	43	10	31	2	5	0
01075	SILVER, DISSOLVED (UG/L AS AG)	1	1	0	0	1	0
01077	SILVER, TOTAL (UG/L AS AG)	1	0	1	0	1	0
01085	VANADIUM, DISSOLVED (UG/L AS V)	1	0	1	0	1	0
01090	ZINC, DISSOLVED (UG/L AS ZN)	1	1	0	0	1	0
01092	ZINC, TOTAL (UG/L AS ZN)	172	138	32	2	22	1
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	6	0	6	0	6	0
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	1	1	0	0	1	0
01097	ANTIMONY, TOTAL (UG/L AS SB)	6	0	6	0	3	0
01105	ALUMINUM, TOTAL (UG/L AS AL)	1075	782	186	107	320	6
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	48	47	1	0	28	0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	1	1	0	0	1	0
01147	SELENIUM, TOTAL (UG/L AS SE)	1	0	1	0	1	0
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	6	0	6	0	6	0
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	6	0	6	0	6	0

Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Parameter Code	Name	Total Obs	01/01/85 to 06/25/97	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
01330	ODOR, ATMOSPHERIC (SEVERITY)	214	33	168	13	3	0
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	199	0	0	199	8	0
01501	ALPHA, TOTAL	53	0	0	53	2	0
03501	BETA, TOTAL	53	0	0	53	2	0
22703	URANIUM, NATURAL, DISSOLVED	2	1	1	0	2	0
30208	FLOW (CUBIC METERS / SEC) CMS	12	12	0	0	6	6
30344	PENTACHLORODIBENZO-P-DIOXIN,12378,FISH,WET WT,PG/G	2	2	0	0	1	0
30345	HEXACHLORODIBENZO-P-DIOXIN,123478,FISH,WET WT,PG/G	2	2	0	0	1	0
30346	HEXACHLORODIBENZO-P-DIOXIN,123678,FISH,WET WT,PG/G	2	2	0	0	1	0
30347	HEXACHLORODIBENZO-P-DIOXIN,123789,FISH,WET WT,PG/G	2	2	0	0	1	0
30348	HEPTACHLORODIBENZO-P-DIOXIN,1234678,TIS,WETWT,PG/G	2	2	0	0	1	0
30349	TETRACHLORODIBENZOFURAN, 2378- , FISH,WET WT.,PG/G	2	2	0	0	1	0
30350	PENTACHLORODIBENZOFURAN,12378- , FISH,WET WT.,PG/G	2	2	0	0	1	0
30351	PENTACHLORODIBENZOFURAN,23478- , FISH,WET WT.,PG/G	2	2	0	0	1	0
30352	HEXACHLORODIBENZOFURAN,123478- , FISH,WET WT.,PG/G	2	2	0	0	1	0
30353	HEXACHLORODIBENZOFURAN,123678- , FISH,WET WT.,PG/G	2	2	0	0	1	0
30354	HEXACHLORODIBENZOFURAN,123789- , FISH,WET WT.,PG/G	2	2	0	0	1	0
30355	HEXACHLORODIBENZOFURAN,234678- , FISH,WET WT.,PG/G	2	2	0	0	1	0
30356	HEPTACHLORODIBENZOFURAN,1234678- ,FISH,WET WT,PG/G	2	2	0	0	1	0
30357	HEPTACHLORODIBENZOFURAN,1234789- ,FISH,WET WT,PG/G	2	2	0	0	1	0
31507	COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508)	65	0	0	65	2	0
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	1	1	0	0	1	0
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	501	161	339	1	3	0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	261	64	197	0	5	0
34395	HEXACHLOROBUTADIENE WET WGTTISMG/KG	1	1	0	0	1	0
34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	1	1	0	0	1	0
34664	PCB - 1221 WET WGTTISMG/KG	1	1	0	0	1	0
34667	PCB - 1232 WET WGTTISMG/KG	1	1	0	0	1	0
34669	PCB - 1248 WET WGTTISMG/KG	1	1	0	0	1	0
34670	PCB - 1260 WET WGTTISMG/KG	1	1	0	0	1	0
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	2	2	0	0	1	0
34685	ENDRIN WET WGTTISMG/KG	3	3	0	0	2	0
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	3	3	0	0	2	0
34687	HEPTACHLOR WET WGTTISMG/KG	3	3	0	0	2	0
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	1	1	0	0	1	0
34689	PCB - 1242 WET WGTTISMG/KG	1	1	0	0	1	0
34690	PCB - 1254 WET WGTTISMG/KG	1	1	0	0	1	0
34754	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN TISWETWTPG/G	2	2	0	0	1	0
34790	SURFACTANTS, AS CTAS, WATER MG/L	2	2	0	0	2	0
34795	ANTIMONY,SED,BOT,	2	2	0	0	2	0
34800	ARSENIC,SED,BOT,WET SIEVE,	2	2	0	0	2	0
34805	BARIUM,SED,BOT,	1	1	0	0	1	0
34810	BERYLLIUM,SED,BOT,WET SIEVE,	2	2	0	0	2	0
34816	BISMUTH,SED,BOT,WET SIEVE,	2	2	0	0	2	0
34825	CADMIUM,SED,BOT,	2	2	0	0	2	0
34830	CALCIUM,SED,BOT,	2	2	0	0	2	0
34835	CERIUM,SED,BOT,	2	2	0	0	2	0
34840	CHROMIUM,SED,BOT,	2	2	0	0	2	0
34845	COBALT,SED,BOT,	2	2	0	0	2	0
34850	COPPER,SED,BOT,	2	2	0	0	2	0
34855	EUROPIUM,SED,BOT,	2	2	0	0	2	0
34860	GALLIUM,SED,BOT,	2	2	0	0	2	0
34870	GOLD,SED,BOT,	2	2	0	0	2	0
34875	HOLMIUM,SED,BOT,	2	2	0	0	2	0
34880	IRON,SED,BOT,	2	2	0	0	2	0
34885	LANTHANUM,SED,BOT,	2	2	0	0	2	0
34890	LEAD,SED,BOT,	2	2	0	0	2	0
34895	LITHIUM,SED,BOT,	2	2	0	0	2	0
34900	MAGNESIUM,SED,BOT,	2	2	0	0	2	0
34905	MANGANESE,SED,BOT,	2	2	0	0	2	0
34910	MERCURY,SED,BOT,	2	2	0	0	2	0
34915	MOLYBDENUM,SED,BOT,	2	2	0	0	2	0
34920	NEODYMIUM,SED,BOT,	2	2	0	0	2	0
34925	NICKEL,SED,BOT,	2	2	0	0	2	0
34930	NIOBIUM,SED,BOT,	2	2	0	0	2	0
34935	PHOSPHORUS,SED,BOT,	2	2	0	0	2	0
34940	POTASSIUM,SED,BOT,	2	2	0	0	2	0
34945	SCANDIUM,SED,BOT,	2	2	0	0	2	0
34950	SELENIUM,SED,BOT,	2	2	0	0	2	0
34955	SILVER,SED,BOT,	2	2	0	0	2	0
34960	SODIUM,SED,BOT,	2	2	0	0	2	0

Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Parameter Code	Name	Total Obs	01/01/85 to 06/25/97	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
34965	STRONTIUM,SED,BOT,	2	2	0	0	2	0
34970	SULFUR,SED,BOT,	1	1	0	0	1	0
34975	TANTALUM,SED,BOT,	2	2	0	0	2	0
34980	THORIUM,SED,BOT,	1	1	0	0	1	0
34985	TIN,SED,BOT,	2	2	0	0	2	0
35000	URANIUM,SED,BOT,	1	1	0	0	1	0
35005	VANADIUM,SED,BOT,	2	2	0	0	2	0
35010	YTTRIUM,SED,BOT,	2	2	0	0	2	0
35015	YTTERBIUM,SED,BOT,	2	2	0	0	2	0
35020	ZINC,SED,BOT,	2	2	0	0	2	0
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	1	0	0	1	1	0
38824	ISOPROPALIN TISWETWGTMG/KG	1	1	0	0	1	0
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	3	3	0	0	2	0
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	3	3	0	0	2	0
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	2	2	0	0	1	0
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	2	2	0	0	1	0
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	3	3	0	0	2	0
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	14	14	0	0	1	0
39105	PERCENT FAT HEXANE EXTRACTION	2	2	0	0	1	0
39302	P P DDT IN TISSUE WET WGT (UG/G)	2	2	0	0	1	0
39307	O P DDT IN TISSUE WET WGT (UG/G)	2	2	0	0	1	0
39312	P P DDD IN TISSUE WET WGT (UG/G)	2	2	0	0	1	0
39319	MONOCHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	3	3	0	0	2	0
39325	O,P DDD IN TISSUE WET WGT (UG/G)	2	2	0	0	1	0
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	2	2	0	0	1	0
39335	DICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39339	TRICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39345	TETRACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39347	PENTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39354	HEPTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39355	OCTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	3	3	0	0	2	0
39408	NONACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39409	DECACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39515	PCBS (MG/KG) FISH TISSUE MG/KG	1	1	0	0	1	0
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	3	3	0	0	2	0
46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	239	33	188	18	3	0
46002	PHENOLS,DIRECT PHOTOMETRIC,NO DISTILLATION (UG/L)	1	0	1	0	1	0
46333	PENTACHLORONITROBENZENE (PCNB) IN TISSUE WET MG/KG	1	1	0	0	1	0
46471	CHLORDENE, WET WEIGHT, FISH TISSUE MG/KG	2	2	0	0	1	0
49237	ALUMINUM, DRY WEIGHT, TISSUE/BIOTA,RECV UG/G	2	2	0	0	1	0
49238	BARIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	2	2	0	0	1	0
49239	BORON, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	2	2	0	0	1	0
49240	CHROMIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	2	2	0	0	1	0
49241	COPPER, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	2	2	0	0	1	0
49242	IRON, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	2	2	0	0	1	0
49243	MANGANESE, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	2	2	0	0	1	0
49244	STRONTIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	2	2	0	0	1	0
49245	ZINC, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	2	2	0	0	1	0
49246	ANTIMONY, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	2	2	0	0	1	0
49247	ARSENIC, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	2	2	0	0	1	0
49248	BERYLLIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	2	2	0	0	1	0
49249	CADMIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	2	2	0	0	1	0
49250	COBALT, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	2	2	0	0	1	0
49251	LEAD, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	2	2	0	0	1	0
49252	MOLYBDENUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	2	2	0	0	1	0
49253	NICKEL, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	2	2	0	0	1	0
49254	SELENIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	2	2	0	0	1	0
49255	SILVER, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	2	2	0	0	1	0
49257	URANIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	2	2	0	0	1	0
49258	MERCURY, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	2	2	0	0	1	0
49261	ALPHA-BHC,D6, WET WT.,TISSUE,WHOLE ORG,RECV %	2	2	0	0	1	0
49264	BIPHENYL,3,5-DICHLORO-,WET WT,TISS,WHL ORG,RECV %	2	2	0	0	1	0
49266	CARBON,ORGANIC,DRY WEIGHT,SEDIMENT,RECV,SIEVE	1	1	0	0	1	0
49267	CARBON,ORGANIC+INORGANIC,DRYWT,RECV,SIEVE	1	1	0	0	1	0
49269	CARBON,INORGANIC, DRY WT, SEDIMENT,RECV,SIEVE	1	1	0	0	1	0
49270	CARBON,INORGANIC, DRY WT,SEDIMENT,RECV,SIEVE	1	1	0	0	1	0
49271	CARBON,ORGANIC,DRY WT,SEDIMENT,RECV,SIEVE	1	1	0	0	1	0
49272	CARBON,ORGANIC+INORGANIC,DRYWT,RECV,SIEVE	1	1	0	0	1	0
49273	WATER PRESENT,DRY WT,TISSUE/BIOTA,LIVER,RECV UG/G	2	2	0	0	1	0

Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Parameter Code	Name	Total Obs	01/01/85 to 06/25/97	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
49274	TITANIUM, DRY WT, SIEVE	2	2	0	0	2	0
49275	ALPHA-BHC,D6, DRY WT,SIEVE	2	2	0	0	2	0
49276	OCTACHLOROBIPHENYL,DRY WT,SIEVE	2	2	0	0	2	0
49277	BIPHENYL,3,5-DICHLORO-,DRY WT,SIEVE	2	2	0	0	2	0
49278	TERPHENYL,D14-,DRY WT,SIEVE	1	1	0	0	1	0
49279	BIPHENYL, 2-FLUORO,DRY WT,SIEVE	1	1	0	0	1	0
49280	BENZENE,NITRO-,D5,DRY WT,SIEVE	1	1	0	0	1	0
49289	LIPIDS, WET WEIGHT, TISSUE, WHOLE ORGANISM,RECV %	2	2	0	0	1	0
49316	NONACHLOR,CIS-,DRY WEIGHT,SEDIMENT,SIEVE	2	2	0	0	2	0
49317	NONACHLOR,TRANS-,DRY WT,SEDIMENT,SIEVE	2	2	0	0	2	0
49318	OXYCHLORDANE,DRY WEIGHT,SEDIMENT,SIEVE	2	2	0	0	2	0
49319	ALDRIN,DRY WEIGHT,SEDIMENT,SIEVE	2	2	0	0	2	0
49320	CHLORDANE, CIS-,DRY WT,SEDIMENT,SIEVE	2	2	0	0	2	0
49321	CHLORDANE,TRANS-,DRY WT,SEDIMENT,SIEVE	2	2	0	0	2	0
49322	CHLORONEB,DRY WT,SEDIMENT,SIEVE	2	2	0	0	2	0
49324	DCPA,DRY WEIGHT,SEDIMENT,SIEVE	2	2	0	0	2	0
49325	DDD,O,P'-,DRY WEIGHT,SEDIMENT,SIEVE	2	2	0	0	2	0
49326	DDD,P,P'-,DRY WEIGHT,SEDIMENT,SIEVE	2	2	0	0	2	0
49327	DDE,O,P'-,DRY WEIGHT,SEDIMENT,SIEVE	2	2	0	0	2	0
49328	DDE,P,P'-,DRY WEIGHT,SEDIMENT,SIEVE	2	2	0	0	2	0
49329	DDT,O,P'-,DRY WT,SEDIMENT,SIEVE	2	2	0	0	2	0
49330	DDT,P,P'-,DRY WT,SEDIMENT,SIEVE	2	2	0	0	2	0
49331	DIELDRIN,DRY WEIGHT,SEDIMENT,SIEVE	2	2	0	0	2	0
49332	ENDOSULFAN I,DRY WEIGHT,SEDIMENT,SIEVE	2	2	0	0	2	0
49335	ENDRIN,DRY WEIGHT,SEDIMENT,SIEVE	2	2	0	0	2	0
49338	ALPHA-BHC,DRY WEIGHT,SEDIMENT,SIEVE	2	2	0	0	2	0
49339	BETA-BHC,DRY WEIGHT,SEDIMENT,SIEVE	2	2	0	0	2	0
49341	HEPTACHLOR,DRY WEIGHT,SEDIMENT,SIEVE	2	2	0	0	2	0
49342	HEPTACHLOR EPOXIDE,DRY WT,SEDIMENT,SIEVE	2	2	0	0	2	0
49343	HEXACHLOROBENZENE,DRY WT,SEDIMENT,SIEVE	2	2	0	0	2	0
49344	ISODRIN,DRY WEIGHT,SEDIMENT,SIEVE	2	2	0	0	2	0
49345	LINDANE,DRY WEIGHT,SEDIMENT,SIEVE	2	2	0	0	2	0
49346	METHOXYCHLOR,P,P'-,DRY WT,SED,SIEVE	2	2	0	0	2	0
49347	METHOXYCHLOR,O,P'-,DRY WT,SED,SIEVE	2	2	0	0	2	0
49348	MIREX,DRY WEIGHT,SEDIMENT,SIEVE	2	2	0	0	2	0
49349	PERMETHRIN,CIS-,DRY WT,SED,SIEVE	2	2	0	0	2	0
49350	PERMETHRIN,TRANS-,DRY WT,SED,SIEVE	2	2	0	0	2	0
49351	TOXAPHENE,DRY WEIGHT,SEDIMENT,SIEVE	2	2	0	0	2	0
49353	ALDRIN,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49354	PCB, WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49355	TOXAPHENE, WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49356	PENTACHLOROANISOLE,WET WT,TISS,WHOLE ORG,RECVUG/KG	2	2	0	0	1	0
49357	OXYCHLORDANE,WET WT,TISSUE,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49358	NONACHLOR,TRANS-,WET WT,TISS,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49359	NONACHLOR,CIS-,WET WT,TISS,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49360	MIREX,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49361	METHOXYCHLOR,P,P'-,WET WT,TISS,WHOLE ORG,RECVUG/KG	2	2	0	0	1	0
49362	METHOXYCHLOR,O,P'-,WET WT,TISS,WHOLE ORG,RECVUG/KG	2	2	0	0	1	0
49363	LINDANE,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49364	DELTA-BHC,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49365	BETA-BHC,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49366	ALPHA-BHC,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49367	HEXACHLOROBENZENE,WET WT,TISS,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49368	HEPTACHLOR EPOXIDE,WET WT,TISS,WHOLE ORG,RECVUG/KG	2	2	0	0	1	0
49369	HEPTACHLOR,WET WT,TISSUE,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49370	ENDRIN,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49371	DIELDRIN,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49372	DDE,P,P',WET WT,TISSUE,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49373	DDE,O,P'-,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49374	DDD,O,P'-,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49375	DDD,P,P'-,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49376	DDT,P,P',WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49377	DDT,O,P',WET WT,TISSUE,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49378	DCPA,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49379	CHLORDANE,TRANS-,WET WT,TISS,WHOLE ORG,RECV UG/KG	2	2	0	0	1	0
49380	CHLORDANE,CIS-,WET WEIGHT,TISS,WHOLE ORG,RECVUG/KG	2	2	0	0	1	0
49381	DIBUTYLPHTHALATE,DRY WEIGHT,SED,SIEVE	2	2	0	0	2	0
49382	DIOCTYLPHTHALATE,DRY WEIGHT,SED,SIEVE	1	1	0	0	1	0
49383	DIETHYLPHTHALATE,DRY WEIGHT,SED,SIEVE	2	2	0	0	2	0
49384	DIMETHYLPHTHALATE,DRY WEIGHT,SED,SIEVE	2	2	0	0	2	0
49387	PYRENE,DRY WEIGHT,SED,SIEVE	1	1	0	0	1	0

Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Parameter Code	Name	Total Obs	01/01/85 to 06/25/97	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
49388	METHYLPYRENE,DRY WEIGHT,SED,SIEVE	1	1	0	0	1	0
49389	METHYLBENZO(A)PYRENE,DRY WT,SED,SIEVE	2	2	0	0	2	0
49390	METHYLINDENO(1,2,3-CD)PYRENE,DRY WT,SEV	1	1	0	0	1	0
49391	BIQUINOLINE,2,2'-,DRY WT,SED,SIEVE	1	1	0	0	1	0
49392	QUINOLINE,DRY WEIGHT,SEDIMENT,SIEVE	1	1	0	0	1	0
49393	PHENANTHRIDINE,DRY WEIGHT,SED,SIEVE	1	1	0	0	1	0
49394	ISOQUINOLINE,DRY WEIGHT,SED,SIEVE	1	1	0	0	1	0
49395	TOLUENE, 2,4-DINITRO-,DRY WEIGHT,SIEVE	2	2	0	0	2	0
49396	TOLUENE, 2,6-DINITRO-,DRY WEIGHT,SIEVE	2	2	0	0	2	0
49397	BENZO(K)FLUORANTHENE,DRY WEIGHT,SIEVE	2	2	0	0	2	0
49398	METHYL-9H-FLUORENE,DRY WEIGHT,SIEVE	1	1	0	0	1	0
49399	FLUORENE,9H-,DRY WEIGHT,SIEVE	2	2	0	0	2	0
49400	ISOPHORONE,DRY WEIGHT,SIEVE	1	1	0	0	1	0
49401	METHANE, BIS(2-CHLOROETHOXY),DRY WT,SEV	2	2	0	0	2	0
49402	NAPHTHALENE, DRY WEIGHT, SIEVE	1	1	0	0	1	0
49403	NAPHTHALENE, 1,2-DIMETHYL-,DRY WT,SIEVE	1	1	0	0	1	0
49404	NAPHTHALENE, 1,6-DIMETHYL-,DRY WT,SIEVE	1	1	0	0	1	0
49405	NAPHTHALENE, 2,3,6-TRIMETHYL-,DRY WT,SEV	1	1	0	0	1	0
49406	NAPHTHALENE, 2,6-DIMETHYL-,DRY WT,SIEVE	1	1	0	0	1	0
49407	NAPHTHALENE, 2-CHLORO-,DRY WT,SIEVE	2	2	0	0	2	0
49408	BENZO(G,H,I)PERYLENE,DRY WEIGHT,SIEVE	2	2	0	0	2	0
49409	PHENANTHRENE,DRY WEIGHT,SIEVE	1	1	0	0	1	0
49410	METHYLPHENANTHRENE,DRY WT,SIEVE	1	1	0	0	1	0
49411	CYCLOPENTA(DEF)PHENANTHRENE, 4H-,DRY WT,SEV	1	1	0	0	1	0
49413	PHENOL,DRY WEIGHT,SEDIMENT,SIEVE	1	1	0	0	1	0
49421	XYLENOL, 3,5-,DRY WEIGHT,SIEVE	1	1	0	0	1	0
49422	M-CRESOL, 4-CHLORO-,DRY WEIGHT,SED,SIEVE	1	1	0	0	1	0
49424	PHENOL, C8-ALKYL-,DRY WEIGHT,SED,SIEVE	1	1	0	0	1	0
49426	PHTHALATE, BIS(2-ETHYLHEXYL)-,DRY WT,SEV	2	2	0	0	2	0
49427	PHTHALATE, BUTYL BENZYL, DRY WT,SED,SEV	2	2	0	0	2	0
49428	ACENAPHTHYLENE,DRY WEIGHT,SED,SIEVE	2	2	0	0	2	0
49429	ACENAPHTHENE,DRY WEIGHT,SED,SIEVE	2	2	0	0	2	0
49430	ACRIDINE,DRY WEIGHT,SED,SIEVE	1	1	0	0	1	0
49431	N-NITROSO-DIPROPYLAMINE,DRY WT,SED,SIEVE	1	1	0	0	1	0
49433	N-NITROSO-DIPHENYLAMINE,DRY WT,SED,SEV	1	1	0	0	1	0
49434	ANTHRACENE,DRY WEIGHT,SED,SIEVE	2	2	0	0	2	0
49435	ANTHRACENE, 2-METHYL-,DRY WEIGHT,SED,SEV	1	1	0	0	1	0
49436	BENZ(A)ANTHRACENE,DRY WEIGHT,SED,SIEVE	2	2	0	0	2	0
49437	ANTHRAQUINONE, 9, 10-,DRY WT,SED,SIEVE	1	1	0	0	1	0
49438	BENZENE, 1,2,4-TRICHLORO-,DRY WT,SED,SEV	2	2	0	0	2	0
49439	BENZENE, O-DICHLORO-,SED,SIEVE	2	2	0	0	2	0
49441	BENZENE, M-DICHLORO-,DRY WT,SED,SIEVE	2	2	0	0	2	0
49442	BENZENE, P-DICHLORO-,DRY WT,SED,SIEVE	2	2	0	0	2	0
49443	AZOBENZENE,DRY WT,SED,SIEVE	1	1	0	0	1	0
49444	BENZENE, NITRO-,DRY WT,SED,SIEVE	1	1	0	0	1	0
49446	BENZENE,PENTACHLORONITRO-,DRY WT,SIEVE	2	2	0	0	2	0
49449	CARBAZOLE,DRY WEIGHT,SEDIMENT,SIEVE	1	1	0	0	1	0
49450	CHRYSENE,DRY WEIGHT,SEDIMENT,SIEVE	2	2	0	0	2	0
49451	P-CRESOL,DRY WEIGHT,SEDIMENT,SIEVE	1	1	0	0	1	0
49452	DIBENZOTHIOPHENE,DRY WEIGHT,SED,SIEVE	1	1	0	0	1	0
49454	BROMOPHENYL, 4-PHENYL ETHER,SED,SIEVE	2	2	0	0	2	0
49455	CHLOROPHENYL,4-PHENYL ETHER,SED,SIEVE	2	2	0	0	2	0
49458	BENZO(B)FLUORANTHENE,DRY WT,SIEVE	2	2	0	0	2	0
49459	PCB,DRY WEIGHT,BED MATERIAL,SIEVE	2	2	0	0	2	0
49460	PENTACHLOROANISOLE,DRY WT,BED MAT,SIEVE	2	2	0	0	2	0
49461	DIBENZ(A,H)ANTHRACENE,DRY WT,SIEVE	2	2	0	0	2	0
49465	VANADIUM,BIOTA,TISSUE,LIVER,DRY WEIGHT,RECV UG/G	2	2	0	0	1	0
49466	FLUORANTHENE,SED,BED MAT,WET SIEV	1	1	0	0	1	0
49467	PHENOL, O-CHLORO,SED,BED MAT,WETSEV	1	1	0	0	1	0
49468	BENZO(C)CINNOLINE,SED,BED MAT,WETSEV	1	1	0	0	1	0
49490	VISUAL OBSERVATION, SUSPENDED, WATER CODE	1	1	0	0	1	0
50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	2	0	0	2	2	0
50700	FLUORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	1	0	1	0	1	0
50760	CHLORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	1	0	1	0	1	0
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	600	600	0	0	271	5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	84	12	56	16	14	0
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	8	0	1	7	2	0
70302	SOLIDS, DISSOLVED-TONS PER DAY	60	0	56	4	11	0
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	68	0	56	12	12	0
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	580	580	0	0	271	5
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	1	1	0	0	1	0

Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Parameter Code	Name	Total Obs	01/01/85 to 06/25/97	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	7	7	0	0	1	0
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	93	87	1	5	13	1
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	386	207	179	0	43	1
70957	CHLOROPHYLL-A,PERIPHYTON UG/L,CHROMO-FLUORO	1	1	0	0	1	0
70958	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-FLUORO	1	1	0	0	1	0
70977	INSTRUMENT RATIO, LAB/FIELD CONCENTRATIONS, NUMBER	2	2	0	0	1	0
71825	ACIDITY, TOTAL (MG/L AS H)	63	0	53	10	12	0
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	2	0	0	2	1	0
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	26	8	0	18	10	0
71885	IRON (UG/L AS FE)	8	8	0	0	4	0
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	1	0	1	0	1	0
71900	MERCURY, TOTAL (UG/L AS HG)	111	98	11	2	9	0
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	6	0	6	0	6	0
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	1	1	0	0	1	0
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	1	1	0	0	1	0
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	1	1	0	0	1	0
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	1	1	0	0	1	0
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	1	1	0	0	1	0
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	1	1	0	0	1	0
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	10	6	0	4	8	0
72005	SAMPLE SOURCE CODE (BM WELL DATA)	5	0	5	0	5	0
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	2	0	0	2	1	0
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	1	0	0	1	1	0
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	5	0	0	5	2	0
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	5	0	0	5	4	0
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	8	8	0	0	4	0
74010	IRON, TOTAL (MG/L AS FE)	19	0	0	19	15	0
76530	BIPHENYL TISSUE ,WET WGT,MG/KG	1	1	0	0	1	0
78457	CHLORDENE, ALPHA-, FISH TISSUE, WET WEIGHT, MG/KG	2	2	0	0	1	0
78459	CHLORDENE, GAMMA-, FISH TISSUE, WET WEIGHT, MG/KG	2	2	0	0	1	0
78907	HEXACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	1	1	0	0	1	0
78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	1	1	0	0	1	0
78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	1	1	0	0	1	0
79026	1,2,3,4,-TETRACHLOROBENZENE IN FISH WET WGT MG/KG	1	1	0	0	1	0
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	73	7	66	0	10	0
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	66	0	66	0	10	0
80157	BED MATERIAL FALL DIAMETER, % FINER THAN .004MM	1	1	0	0	1	0
80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	1	1	0	0	1	0
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	1	1	0	0	1	0
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	8	8	0	0	4	0
81312	POLYCHLORINATEDBIPHENYLS FISH TISSUE WET WGT MG/KG	1	1	0	0	1	0
81319	COD, FIELD MG/L	12	12	0	0	6	1
81380	VELOCITY OF DISCHARGE, METERS/SECOND	1	1	0	0	1	0
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	2	2	0	0	1	0
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	3	3	0	0	2	0
81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	3	3	0	0	2	0
81652	TREFLAN IN FISH TISSUE WET WEIGHT MG/KG	1	1	0	0	1	0
81807	DURSBAN IN FISH TISSUE WET WEIGHT MG/KG	1	1	0	0	1	0
81822	KEPONE IN FISH TISSUE WET WEIGHT MG/KG	2	2	0	0	1	0
81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	1	1	0	0	1	0
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	3	3	0	0	2	0
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	8	0	8	0	8	0
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	1	0	1	0	1	0
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	73	73	0	0	9	1
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	278	225	53	0	20	8
82331	DYSPROSIUM, DISSOLVED AS DY IN WATER UG/L	1	0	1	0	1	0
82398	SAMPLING METHOD (CODES)	6	5	1	0	2	0
83509	STREAM, WIDTH METER	8	8	0	0	4	0
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	15	13	0	2	14	0
84001	AQUIFER NAME CODE (SEE USGS CATALOG)	15	13	0	2	14	0
84007	ANATOMY ALPHA CODE	4	4	0	0	2	0
84147	LAND USE, PREDOMINANT, 1/4 MLRADIUS OF WELL, CODE	10	10	0	0	6	0
85675	TRICHLOROBENZENE,1,3,5- TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
85676	TRICHLOROBENZENE,1,2,3- TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
85677	TETRACHLOROBENZENE,1,2,4,5- TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
85678	TETRACHLOROBENZENE,1,2,3,5- TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
85679	PENTACHLOROBENZENE TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
85680	DIPHENYL DISULFIDE TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
85681	OCTACHLOROSTYRENE TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
85682	NITROFEN TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
85683	PERTHANE TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
85684	DICOFOL (KELTHANE) TISSUE,WET,WT,MG/KG	1	1	0	0	1	0

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0259	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	10/03/72-03/14/74	1	8	
ALPO0334	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	12/06/72-06/06/74	1	7	
ALPO0348	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	12/06/72-06/06/74	1	7	
ALPO0259	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	10/03/72-03/14/74	1	8	
ALPO0334	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	12/06/72-06/06/74	1	7	
ALPO0348	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	12/06/72-06/06/74	1	7	
ALPO0031	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/13/94-06/13/94	0	1	
ALPO0032	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/13/94-06/13/94	0	1	
ALPO0033	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/13/94-06/13/94	0	1	
ALPO0035	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/01/94-08/01/94	0	1	
ALPO0037	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/13/94-06/13/94	0	1	
ALPO0038	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/14/94-06/14/94	0	1	
ALPO0039	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/02/92-06/02/93	1	5	
ALPO0040	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/03/93-04/03/96	2	4	
ALPO0041	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/02/92-06/02/93	1	6	
ALPO0042	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/03/93-04/03/96	2	4	
ALPO0043	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/13/94-06/13/94	0	1	
ALPO0044	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/03/93-06/13/94	0	2	
ALPO0045	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	11/01/94-04/03/96	1	2	
ALPO0046	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	04/03/96-04/03/96	0	1	
ALPO0047	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/09/92-06/02/93	0	5	
ALPO0048	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/13/94-06/13/94	0	1	
ALPO0049	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/13/94-06/13/94	0	1	
ALPO0051	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/06/92-10/15/92	0	2	
ALPO0052	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/14/94-06/14/94	0	1	
ALPO0053	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/14/94-06/14/94	0	1	
ALPO0055	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/10/92-06/10/92	0	1	
ALPO0058	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/14/94-04/04/96	1	2	
ALPO0059	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/27/92-04/04/96	3	5	
ALPO0062	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/14/94-04/04/96	1	3	
ALPO0066	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/02/92-06/03/93	1	6	
ALPO0067	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	03/06/93-03/06/93	0	1	
ALPO0068	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/02/92-06/03/93	1	6	
ALPO0069	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	03/06/93-03/06/93	0	1	
ALPO0070	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/02/92-11/06/93	1	3	
ALPO0071	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/02/92-06/03/93	1	5	
ALPO0072	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/02/92-06/03/93	1	5	
ALPO0073	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/07/93-06/07/93	0	1	
ALPO0074	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/07/93-06/07/93	0	1	
ALPO0075	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/09/92-06/03/93	0	4	
ALPO0077	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/07/93-06/07/93	0	1	
ALPO0078	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/09/92-06/09/92	0	1	
ALPO0080	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/09/92-06/09/92	0	1	
ALPO0081	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/08/94-04/04/95	0	4	
ALPO0082	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/08/93-06/08/93	0	1	
ALPO0083	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	09/22/94-09/22/94	0	1	
ALPO0084	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/08/93-06/08/93	0	1	
ALPO0085	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/07/93-06/07/93	0	1	
ALPO0086	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/14/93-06/14/93	0	1	
ALPO0087	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/07/93-06/07/93	0	1	
ALPO0088	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/07/93-06/07/93	0	1	
ALPO0089	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/14/93-06/14/93	0	1	
ALPO0090	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/14/93-06/14/93	0	1	
ALPO0091	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/20/93-02/01/95	1	4	
ALPO0092	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/14/93-06/14/93	0	1	
ALPO0093	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/20/93-02/01/95	1	4	
ALPO0094	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/08/93-06/08/93	0	1	
ALPO0095	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/27/92-07/27/92	0	1	
ALPO0096	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/27/92-07/27/92	0	1	
ALPO0097	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/07/93-06/01/94	0	2	
ALPO0098	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/09/93-02/01/95	1	2	
ALPO0099	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/30/93-06/30/93	0	1	
ALPO0100	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/30/93-12/08/94	1	3	
ALPO0101	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/13/93-04/06/95	1	4	
ALPO0102	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/30/93-06/30/93	0	1	
ALPO0103	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/07/93-11/29/94	1	3	
ALPO0104	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/01/94-03/14/95	0	3	
ALPO0105	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/30/93-06/30/93	0	1	
ALPO0106	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/01/94-10/13/94	0	2	
ALPO0107	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/01/94-10/13/94	0	2	
ALPO0108	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/30/93-06/30/93	0	1	
ALPO0109	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/30/93-06/30/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0110	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/01/93-03/14/95	1	4	
ALPO0111	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/01/94-12/08/94	0	2	
ALPO0112	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/30/93-06/30/93	0	1	
ALPO0113	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	05/31/94-05/31/94	0	1	
ALPO0114	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/30/93-06/30/93	0	1	
ALPO0115	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/03/93-06/03/93	0	1	
ALPO0116	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/01/94-06/01/94	0	1	
ALPO0117	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/06/93-07/06/93	0	1	
ALPO0118	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/01/94-03/14/95	0	3	
ALPO0119	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/06/93-07/06/93	0	1	
ALPO0120	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/03/93-11/29/94	1	2	
ALPO0121	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/03/93-06/03/93	0	1	
ALPO0122	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/06/93-06/01/94	0	2	
ALPO0123	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/03/93-06/03/93	0	1	
ALPO0124	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/14/93-06/06/94	0	2	
ALPO0125	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/02/93-04/06/95	1	4	
ALPO0126	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/02/93-06/01/94	0	2	
ALPO0127	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/29/93-06/29/93	0	1	
ALPO0128	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/02/93-06/01/94	0	2	
ALPO0129	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/29/93-03/07/95	1	4	
ALPO0131	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/09/93-06/09/93	0	1	
ALPO0132	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/30/93-03/07/95	1	4	
ALPO0133	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/29/93-03/07/95	1	4	
ALPO0134	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/27/94-04/04/95	0	3	
ALPO0135	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/07/93-10/13/94	1	4	
ALPO0136	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/06/94-06/06/94	0	1	
ALPO0137	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/07/93-10/13/94	1	4	
ALPO0138	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/07/93-06/07/93	0	1	
ALPO0139	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/29/93-06/29/93	0	1	
ALPO0140	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/29/93-06/29/93	0	1	
ALPO0141	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/29/93-06/29/93	0	1	
ALPO0142	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/05/92-04/06/95	2	8	
ALPO0143	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	11/30/92-11/30/92	0	1	
ALPO0144	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	11/30/92-11/30/92	0	1	
ALPO0145	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/16/94-04/06/95	0	2	
ALPO0146	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/07/93-10/13/94	1	4	
ALPO0147	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/14/93-06/14/93	0	1	
ALPO0148	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/14/93-06/14/93	0	1	
ALPO0149	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/14/93-04/06/95	1	3	
ALPO0150	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/14/93-06/14/93	0	1	
ALPO0151	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/27/94-12/15/94	0	2	
ALPO0152	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	11/28/92-05/31/94	1	6	
ALPO0153	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	01/28/93-05/31/94	1	4	
ALPO0154	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/29/93-06/29/93	0	1	
ALPO0155	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	12/22/92-11/06/93	0	4	
ALPO0156	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/29/93-06/29/93	0	1	
ALPO0157	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/14/93-03/16/95	1	4	
ALPO0158	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/14/93-06/14/93	0	1	
ALPO0159	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/14/93-06/14/93	0	1	
ALPO0160	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/18/93-03/07/95	1	4	
ALPO0161	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/18/93-03/13/95	1	4	
ALPO0162	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/18/93-03/13/95	1	4	
ALPO0164	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/01/94-08/01/94	0	1	
ALPO0166	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/01/94-08/01/94	0	1	
ALPO0168	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/29/93-06/29/93	0	1	
ALPO0169	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/27/93-07/27/93	0	1	
ALPO0170	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/28/93-05/25/94	0	2	
ALPO0171	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/28/93-05/23/95	1	4	
ALPO0172	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/28/93-05/25/94	0	2	
ALPO0173	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/28/93-10/19/94	1	3	
ALPO0174	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/28/93-12/15/94	1	3	
ALPO0175	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/01/94-08/01/94	0	1	
ALPO0176	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/28/93-05/16/95	1	4	
ALPO0179	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/12/93-07/12/93	0	1	
ALPO0180	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/05/93-08/05/93	0	1	
ALPO0181	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/12/93-06/06/94	0	2	
ALPO0182	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/12/93-06/06/94	0	2	
ALPO0183	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/12/93-06/05/94	0	2	
ALPO0184	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/12/93-08/12/93	0	1	
ALPO0185	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/12/93-08/12/93	0	1	
ALPO0186	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/07/94-04/11/95	0	2	
ALPO0187	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/12/93-08/12/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0188	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/12/93-08/12/93	0	1	
ALPO0189	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/15/93-06/05/94	0	2	
ALPO0190	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/24/93-06/13/95	1	3	
ALPO0191	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/24/93-06/24/93	0	1	
ALPO0192	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/22/93-03/15/95	1	3	
ALPO0193	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/22/93-06/08/94	0	2	
ALPO0194	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/29/93-06/29/93	0	1	
ALPO0195	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/14/93-06/14/93	0	1	
ALPO0196	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/28/93-10/03/94	1	3	
ALPO0197	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	05/25/94-05/25/94	0	1	
ALPO0198	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/04/93-09/29/94	1	3	
ALPO0200	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	05/25/94-05/25/94	0	1	
ALPO0201	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/04/93-09/29/94	1	3	
ALPO0202	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	12/21/93-12/21/93	0	1	
ALPO0204	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	05/25/94-05/25/94	0	1	
ALPO0205	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/24/93-06/24/93	0	1	
ALPO0206	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/15/93-06/15/93	0	1	
ALPO0207	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/05/93-08/05/93	0	1	
ALPO0208	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/15/93-06/15/93	0	1	
ALPO0209	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/16/93-04/11/95	1	4	
ALPO0210	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/26/93-07/26/93	0	1	
ALPO0211	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/16/93-04/11/95	1	4	
ALPO0212	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/05/93-08/05/93	0	1	
ALPO0213	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/26/93-07/26/93	0	1	
ALPO0214	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/16/93-08/16/93	0	1	
ALPO0215	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/15/93-06/15/93	0	1	
ALPO0216	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/15/93-06/15/93	0	1	
ALPO0217	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/15/93-06/15/93	0	1	
ALPO0218	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/04/93-09/29/94	1	3	
ALPO0219	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/04/93-05/23/94	0	2	
ALPO0220	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/04/93-05/23/94	0	2	
ALPO0221	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/17/93-06/17/93	0	1	
ALPO0222	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/12/93-05/23/95	1	4	
ALPO0223	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/12/93-05/23/95	1	4	
ALPO0224	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/12/93-05/23/94	0	3	
ALPO0226	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/12/93-05/24/94	0	2	
ALPO0227	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/12/93-12/15/94	1	3	
ALPO0228	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/01/94-07/01/94	0	1	
ALPO0230	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/12/93-05/24/94	0	2	
ALPO0232	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/17/93-06/17/93	0	1	
ALPO0234	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/10/94-08/10/94	0	1	
ALPO0236	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/16/93-08/16/93	0	1	
ALPO0237	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/16/93-08/16/93	0	1	
ALPO0240	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/16/93-05/17/95	1	4	
ALPO0241	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/16/93-08/16/93	0	1	
ALPO0242	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/16/93-09/24/94	1	3	
ALPO0243	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/16/93-08/16/93	0	1	
ALPO0244	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/20/94-09/23/94	0	2	
ALPO0245	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/20/94-06/20/94	0	1	
ALPO0246	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/26/94-10/05/94	0	3	
ALPO0247	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/20/94-06/20/94	0	1	
ALPO0248	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	12/21/93-06/09/94	0	2	
ALPO0249	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/16/93-08/16/93	0	1	
ALPO0250	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	12/21/93-12/21/93	0	1	
ALPO0251	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	12/21/93-06/09/94	0	2	
ALPO0252	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	12/21/93-12/21/93	0	1	
ALPO0253	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/16/93-08/16/93	0	1	
ALPO0255	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/16/93-08/16/93	0	1	
ALPO0256	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/26/94-05/18/95	0	4	
ALPO0257	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/26/94-05/18/95	0	4	
ALPO0258	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/26/94-05/18/95	0	4	
ALPO0260	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/26/93-07/26/93	0	1	
ALPO0261	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/26/94-05/18/95	0	3	
ALPO0263	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/16/93-08/16/93	0	1	
ALPO0264	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/26/94-10/11/94	0	3	
ALPO0265	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/16/93-11/22/94	1	3	
ALPO0268	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/02/94-11/22/94	0	2	
ALPO0271	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/02/94-11/22/94	0	2	
ALPO0272	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/25/94-08/25/94	0	1	
ALPO0273	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/02/94-08/02/94	0	1	
ALPO0274	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/25/94-08/25/94	0	1	
ALPO0276	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/03/94-11/20/94	0	2	

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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]
ALPO0277	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/26/94-05/24/95	0	3	
ALPO0279	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/26/94-12/29/94	0	2	
ALPO0280	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/29/92-07/29/92	0	1	
ALPO0284	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/10/94-08/10/94	0	1	
ALPO0285	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/29/92-10/16/93	1	5	
ALPO0286	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/27/94-03/19/95	0	3	
ALPO0287	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/29/92-10/19/93	1	5	
ALPO0288	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/28/94-03/19/95	0	3	
ALPO0289	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/28/94-03/19/95	0	2	
ALPO0290	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/29/92-07/29/92	0	1	
ALPO0291	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	11/09/92-11/09/92	0	1	
ALPO0292	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/28/94-03/19/95	0	3	
ALPO0293	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/27/94-03/19/95	0	3	
ALPO0294	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/28/94-03/19/95	0	3	
ALPO0295	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/28/94-03/19/95	0	3	
ALPO0297	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/28/94-03/19/95	0	3	
ALPO0298	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/28/94-09/20/94	0	2	
ALPO0299	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/28/94-09/20/94	0	2	
ALPO0300	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/28/94-03/19/95	0	3	
ALPO0301	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/28/94-05/24/95	0	3	
ALPO0302	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/03/92-08/03/92	0	1	
ALPO0303	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	11/09/92-11/09/92	0	1	
ALPO0304	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/28/94-05/24/95	0	3	
ALPO0305	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	11/09/92-11/09/92	0	1	
ALPO0306	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/03/92-08/03/92	0	1	
ALPO0307	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/10/94-08/10/94	0	1	
ALPO0308	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/19/94-12/06/94	0	2	
ALPO0310	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/19/94-12/06/94	0	2	
ALPO0313	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/03/92-10/16/93	1	2	
ALPO0314	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/29/92-10/16/93	1	4	
ALPO0315	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	11/23/92-11/23/92	0	1	
ALPO0316	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/20/94-07/20/94	0	1	
ALPO0319	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/20/94-12/06/94	0	2	
ALPO0324	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/29/92-10/16/93	1	4	
ALPO0325	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/20/94-12/01/94	0	2	
ALPO0337	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/22/94-08/22/94	0	1	
ALPO0338	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/11/94-11/16/94	0	2	
ALPO0347	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	05/28/94-05/28/94	0	1	
ALPO0355	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/11/94-06/14/95	0	3	
ALPO0360	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/25/94-08/25/94	0	1	
ALPO0361	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	10/23/93-01/25/96	2	3	
ALPO0362	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/28/92-01/25/96	3	7	
ALPO0363	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	10/23/93-01/25/96	2	3	
ALPO0364	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/13/93-09/30/95	2	4	
ALPO0365	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	10/23/93-09/30/95	1	4	
ALPO0366	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	09/30/92-04/20/95	2	5	
ALPO0367	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/13/93-09/30/95	2	6	
ALPO0368	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	11/15/94-04/12/95	0	2	
ALPO0369	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	02/05/94-01/24/96	1	5	
ALPO0370	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	02/05/94-01/24/96	1	4	
ALPO0371	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	11/15/94-11/15/94	0	1	
ALPO0372	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	02/05/94-01/24/96	1	6	
ALPO0373	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	02/05/94-08/29/95	1	3	
ALPO0374	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/15/93-10/01/95	2	4	
ALPO0375	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	02/05/94-01/24/96	1	6	
ALPO0376	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	02/05/94-01/24/96	1	5	
ALPO0377	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/15/93-01/25/96	2	6	
ALPO0378	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/28/92-12/20/94	2	4	
ALPO0379	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	09/30/92-12/20/94	2	4	
ALPO0380	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/15/93-07/15/93	0	1	
ALPO0381	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	07/15/93-07/15/93	0	1	
ALPO0003	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/93-07/21/93	0	1	
ALPO0005	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/20/66-09/23/69	3	7	
ALPO0006	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/72-06/17/72	0	1	
ALPO0007	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/08/79-08/13/81	2	6	
ALPO0011	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/08/79-08/13/81	2	5	
ALPO0012	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/08/79-08/13/81	2	6	
ALPO0014	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/08/79-08/13/81	2	6	
ALPO0031	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/94-06/13/94	0	1	
ALPO0032	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/94-06/13/94	0	1	
ALPO0033	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/94-06/13/94	0	1	
ALPO0037	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/94-06/13/94	0	1	

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

Station/Parameter Period of Record Tabulation
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Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0038	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-06/14/94	0	1	
ALPO0039	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/92-06/02/93	1	5	
ALPO0040	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/93-04/03/96	2	4	
ALPO0041	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/92-06/02/93	1	6	
ALPO0042	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/93-04/03/96	2	4	
ALPO0043	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/94-06/13/94	0	1	
ALPO0044	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/93-06/13/94	0	2	
ALPO0045	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/01/94-04/03/96	1	2	
ALPO0046	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/96-04/03/96	0	1	
ALPO0047	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/09/92-06/02/93	0	5	
ALPO0048	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/94-06/13/94	0	1	
ALPO0049	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/94-06/13/94	0	1	
ALPO0051	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/92-10/15/92	0	2	
ALPO0052	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-06/14/94	0	1	
ALPO0053	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-06/14/94	0	1	
ALPO0055	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/10/92-06/10/92	0	1	
ALPO0058	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-04/04/96	1	2	
ALPO0059	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/92-04/04/96	3	5	
ALPO0062	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-04/04/96	1	3	
ALPO0066	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/92-06/03/93	1	6	
ALPO0067	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/06/93-03/06/93	0	1	
ALPO0068	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/92-06/03/93	1	6	
ALPO0069	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/06/93-03/06/93	0	1	
ALPO0070	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/92-11/06/93	1	3	
ALPO0071	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/92-06/03/93	1	5	
ALPO0072	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/92-06/03/93	1	5	
ALPO0073	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-06/07/93	0	1	
ALPO0074	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-06/07/93	0	1	
ALPO0075	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/09/92-06/03/93	0	4	
ALPO0077	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-06/07/93	0	1	
ALPO0078	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/09/92-06/09/92	0	1	
ALPO0080	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/09/92-06/09/92	0	1	
ALPO0081	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/08/94-04/04/95	0	4	
ALPO0082	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/08/93-06/08/93	0	1	
ALPO0083	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/22/94-09/22/94	0	1	
ALPO0084	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/08/93-06/08/93	0	1	
ALPO0085	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-06/07/93	0	1	
ALPO0086	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-06/14/93	0	1	
ALPO0087	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-06/07/93	0	1	
ALPO0088	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-06/07/93	0	1	
ALPO0089	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-06/14/93	0	1	
ALPO0090	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-06/14/93	0	1	
ALPO0091	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/93-02/01/95	1	4	
ALPO0092	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-06/14/93	0	1	
ALPO0093	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/93-02/01/95	1	4	
ALPO0094	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/08/93-06/08/93	0	1	
ALPO0095	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/92-07/27/92	0	1	
ALPO0096	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/92-07/27/92	0	1	
ALPO0097	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-06/01/94	0	2	
ALPO0098	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/09/93-02/01/95	1	2	
ALPO0099	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/93-06/30/93	0	1	
ALPO0100	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/93-12/08/94	1	3	
ALPO0101	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/93-04/06/95	1	4	
ALPO0102	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/93-06/30/93	0	1	
ALPO0103	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-11/29/94	1	3	
ALPO0104	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/01/94-03/14/95	0	3	
ALPO0105	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/93-06/30/93	0	1	
ALPO0106	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/01/94-10/13/94	0	2	
ALPO0107	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/01/94-10/13/94	0	2	
ALPO0108	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/93-06/30/93	0	1	
ALPO0109	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/93-06/30/93	0	1	
ALPO0110	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/93-03/14/95	1	4	
ALPO0111	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/01/94-12/08/94	0	2	
ALPO0112	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/93-06/30/93	0	1	
ALPO0113	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/31/94-05/31/94	0	1	
ALPO0114	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/93-06/30/93	0	1	
ALPO0115	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/03/93-06/03/93	0	1	
ALPO0116	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/01/94-06/01/94	0	1	
ALPO0117	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/93-07/06/93	0	1	
ALPO0118	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/01/94-03/14/95	0	3	
ALPO0119	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/93-07/06/93	0	1	
ALPO0120	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/03/93-11/29/94	1	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0121	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/03/93-06/03/93	0	1	
ALPO0122	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/93-06/01/94	0	2	
ALPO0123	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/03/93-06/03/93	0	1	
ALPO0124	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-06/06/94	0	2	
ALPO0125	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/93-04/06/95	1	4	
ALPO0126	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/93-06/01/94	0	2	
ALPO0127	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/93-06/29/93	0	1	
ALPO0128	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/93-06/01/94	0	2	
ALPO0129	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/93-03/07/95	1	4	
ALPO0130	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/14/86-05/04/86	0	2	
ALPO0131	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/09/93-06/09/93	0	1	
ALPO0132	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/93-03/07/95	1	4	
ALPO0133	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/93-03/07/95	1	4	
ALPO0134	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/94-04/04/95	0	3	
ALPO0135	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-10/13/94	1	4	
ALPO0136	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/94-06/06/94	0	1	
ALPO0137	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-10/13/94	1	4	
ALPO0138	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-06/07/93	0	1	
ALPO0139	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/93-06/29/93	0	1	
ALPO0140	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/93-06/29/93	0	1	
ALPO0141	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/93-06/29/93	0	1	
ALPO0142	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/05/92-04/06/95	2	8	
ALPO0143	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/30/92-11/30/92	0	1	
ALPO0144	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/30/92-11/30/92	0	1	
ALPO0145	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/16/94-04/06/95	0	2	
ALPO0146	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-10/13/94	1	3	
ALPO0147	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-06/14/93	0	1	
ALPO0148	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-06/14/93	0	1	
ALPO0149	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-04/06/95	1	3	
ALPO0150	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-06/14/93	0	1	
ALPO0151	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/94-12/15/94	0	2	
ALPO0152	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/28/92-05/31/94	1	6	
ALPO0153	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/93-05/31/94	1	4	
ALPO0154	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/93-06/29/93	0	1	
ALPO0155	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/22/92-11/06/93	0	4	
ALPO0156	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/93-06/29/93	0	1	
ALPO0157	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-03/16/95	1	4	
ALPO0158	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-06/14/93	0	1	
ALPO0159	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-06/14/93	0	1	
ALPO0160	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/18/93-03/07/95	1	4	
ALPO0161	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/18/93-03/13/95	1	4	
ALPO0162	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/18/93-03/13/95	1	4	
ALPO0163	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/86-07/07/87	1	12	
ALPO0164	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/01/94-08/01/94	0	1	
ALPO0165	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/86-07/22/86	0	1	
ALPO0166	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/01/94-08/01/94	0	1	
ALPO0168	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/93-06/29/93	0	1	
ALPO0169	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/93-07/27/93	0	1	
ALPO0170	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/93-05/25/94	0	2	
ALPO0171	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/93-05/23/95	1	4	
ALPO0172	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/93-05/25/94	0	2	
ALPO0173	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/93-10/19/94	1	3	
ALPO0174	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/93-12/15/94	1	3	
ALPO0176	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/93-05/16/95	1	4	
ALPO0177	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/86-07/07/87	1	12	
ALPO0178	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/86-07/07/87	1	6	
ALPO0179	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/93-07/12/93	0	1	
ALPO0180	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/05/93-08/05/93	0	1	
ALPO0181	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/12/93-06/06/94	0	2	
ALPO0182	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/12/93-06/06/94	0	2	
ALPO0183	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/12/93-06/05/94	0	2	
ALPO0184	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/12/93-08/12/93	0	1	
ALPO0185	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/12/93-08/12/93	0	1	
ALPO0186	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/94-04/11/95	0	2	
ALPO0187	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/12/93-08/12/93	0	1	
ALPO0188	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/12/93-08/12/93	0	1	
ALPO0189	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/93-06/05/94	0	2	
ALPO0190	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/93-03/07/95	1	2	
ALPO0191	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/93-06/24/93	0	1	
ALPO0192	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/93-03/15/95	1	3	
ALPO0193	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/93-06/08/94	0	2	
ALPO0194	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/93-06/29/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0195	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-06/14/93	0	1	
ALPO0196	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/93-10/03/94	1	3	
ALPO0197	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/94-05/25/94	0	1	
ALPO0198	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/93-09/29/94	1	3	
ALPO0199	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/79-08/14/81	2	6	
ALPO0200	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/94-05/25/94	0	1	
ALPO0201	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/93-09/29/94	1	3	
ALPO0203	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/14/86-05/04/86	0	2	
ALPO0204	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/94-05/25/94	0	1	
ALPO0205	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/93-06/24/93	0	1	
ALPO0206	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/93-06/15/93	0	1	
ALPO0207	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/05/93-08/05/93	0	1	
ALPO0208	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/93-06/15/93	0	1	
ALPO0209	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-04/11/95	1	4	
ALPO0210	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/93-07/26/93	0	1	
ALPO0211	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-04/11/95	1	4	
ALPO0212	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/05/93-08/05/93	0	1	
ALPO0213	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/93-07/26/93	0	1	
ALPO0214	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-08/16/93	0	1	
ALPO0215	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/93-06/15/93	0	1	
ALPO0216	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/93-06/15/93	0	1	
ALPO0217	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/93-06/15/93	0	1	
ALPO0218	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/93-09/29/94	1	3	
ALPO0219	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/93-05/23/94	0	2	
ALPO0220	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/93-05/23/94	0	2	
ALPO0221	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/93-06/17/93	0	1	
ALPO0222	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/93-05/23/95	1	4	
ALPO0223	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/93-05/23/95	1	4	
ALPO0224	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/93-05/23/94	0	3	
ALPO0225	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/86-07/07/87	0	3	
ALPO0226	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/93-05/24/94	0	2	
ALPO0227	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/93-12/15/94	1	3	
ALPO0228	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/94-07/01/94	0	1	
ALPO0229	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/86-07/07/87	1	12	
ALPO0230	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/93-05/24/94	0	2	
ALPO0232	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/93-06/17/93	0	1	
ALPO0233	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/86-06/02/87	0	5	
ALPO0234	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/94-08/10/94	0	1	
ALPO0235	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/86-07/07/87	1	12	
ALPO0236	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-08/16/93	0	1	
ALPO0237	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-08/16/93	0	1	
ALPO0238	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/86-07/07/87	1	12	
ALPO0240	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-05/17/95	1	4	
ALPO0241	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-08/16/93	0	1	
ALPO0242	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-09/24/94	1	3	
ALPO0243	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-08/16/93	0	1	
ALPO0244	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/20/94-09/23/94	0	2	
ALPO0245	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/20/94-06/20/94	0	1	
ALPO0246	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/94-10/05/94	0	3	
ALPO0247	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/20/94-06/20/94	0	1	
ALPO0248	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/21/93-06/09/94	0	2	
ALPO0249	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-08/16/93	0	1	
ALPO0250	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/21/93-12/21/93	0	1	
ALPO0251	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/09/94-06/09/94	0	1	
ALPO0252	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/21/93-12/21/93	0	1	
ALPO0253	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-08/16/93	0	1	
ALPO0254	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/86-07/07/87	1	12	
ALPO0255	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-08/16/93	0	1	
ALPO0256	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/94-05/18/95	0	4	
ALPO0257	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/94-05/18/95	0	4	
ALPO0258	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/94-05/18/95	0	4	
ALPO0259	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/26/72-09/11/73	0	4	
ALPO0260	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/93-07/26/93	0	1	
ALPO0261	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/94-05/18/95	0	3	
ALPO0262	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/79-08/11/81	2	6	
ALPO0263	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-08/16/93	0	1	
ALPO0264	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/94-10/11/94	0	3	
ALPO0265	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-11/22/94	1	3	
ALPO0268	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/94-11/22/94	0	2	
ALPO0271	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/94-11/22/94	0	2	
ALPO0272	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/94-08/25/94	0	1	
ALPO0274	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/94-08/25/94	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0275	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/14/86-05/04/86	0	2	
ALPO0276	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/94-11/20/94	0	2	
ALPO0277	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/94-05/24/95	0	3	
ALPO0278	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/93-07/12/93	0	1	
ALPO0279	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/94-12/29/94	0	2	
ALPO0280	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/92-07/29/92	0	1	
ALPO0281	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/14/86-05/04/86	0	2	
ALPO0282	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/79-05/24/94	14	8	
ALPO0283	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/93-07/13/93	0	1	
ALPO0284	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/94-08/10/94	0	1	
ALPO0285	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/92-07/06/93	0	4	
ALPO0286	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/94-03/19/95	0	3	
ALPO0287	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/92-07/06/93	0	4	
ALPO0288	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/94-03/19/95	0	3	
ALPO0289	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/94-03/19/95	0	2	
ALPO0290	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/92-07/29/92	0	1	
ALPO0291	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/92-11/09/92	0	1	
ALPO0292	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/94-03/19/95	0	3	
ALPO0293	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/94-03/19/95	0	3	
ALPO0294	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/94-03/19/95	0	3	
ALPO0295	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/94-03/19/95	0	3	
ALPO0297	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/94-03/19/95	0	3	
ALPO0298	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/94-09/20/94	0	2	
ALPO0299	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/94-09/20/94	0	2	
ALPO0300	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/94-03/19/95	0	3	
ALPO0301	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/94-05/24/95	0	3	
ALPO0302	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/92-08/03/92	0	1	
ALPO0303	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/92-11/09/92	0	1	
ALPO0304	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/94-05/24/95	0	3	
ALPO0305	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/92-11/09/92	0	1	
ALPO0306	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/92-08/03/92	0	1	
ALPO0307	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/94-08/10/94	0	1	
ALPO0308	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/19/94-12/06/94	0	2	
ALPO0310	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/19/94-12/06/94	0	2	
ALPO0311	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/93-04/19/94	0	2	
ALPO0312	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/93-07/15/93	0	1	
ALPO0313	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/92-08/03/92	0	1	
ALPO0314	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/92-07/06/93	0	3	
ALPO0315	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/23/92-11/23/92	0	1	
ALPO0316	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/94-07/20/94	0	1	
ALPO0317	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/93-07/13/93	0	1	
ALPO0318	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/77-07/15/77	0	1	
ALPO0319	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/94-12/06/94	0	2	
ALPO0320	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-11/21/94	0	2	
ALPO0321	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/07/94-07/07/94	0	1	
ALPO0324	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/92-07/06/93	0	3	
ALPO0325	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/94-12/01/94	0	2	
ALPO0327	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-06/14/94	0	1	
ALPO0328	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/93-05/24/94	0	2	
ALPO0329	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/93-05/24/94	0	2	
ALPO0330	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/29/65-09/29/65	0	1	
ALPO0331	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/93-07/14/93	0	1	
ALPO0332	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-06/14/94	0	1	
ALPO0333	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-06/14/94	0	1	
ALPO0334	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	25	170	
ALPO0335	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/94-11/21/94	0	1	
ALPO0337	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/94-08/22/94	0	1	
ALPO0338	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/11/94-11/16/94	0	2	
ALPO0339	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/94-08/15/94	0	2	
ALPO0340	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/94-08/15/94	0	1	
ALPO0341	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/94-08/15/94	0	1	
ALPO0342	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/94-08/15/94	0	1	
ALPO0343	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/93-05/23/94	0	2	
ALPO0344	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/94-08/15/94	0	1	
ALPO0345	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/94-11/21/94	0	2	
ALPO0346	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/25/80-04/28/81	0	5	
ALPO0347	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/28/94-05/28/94	0	1	
ALPO0348	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	25	172	
ALPO0349	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/94-08/15/94	0	1	
ALPO0350	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/07/26-04/11/76	49	7	
ALPO0351	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/21/75-05/15/97	21	36	
ALPO0352	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/30/80-04/28/81	0	4	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0354	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/94-08/15/94	0	1	
ALPO0355	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/11/94-01/11/95	0	2	
ALPO0356	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/05/79-08/14/81	2	6	
ALPO0357	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/94-11/21/94	0	1	
ALPO0358	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/25/80-04/28/81	0	5	
ALPO0359	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/79-05/23/94	14	8	
ALPO0360	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/94-08/25/94	0	1	
ALPO0361	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/23/93-01/25/96	2	3	
ALPO0362	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/92-01/25/96	3	6	
ALPO0363	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/23/93-01/25/96	2	3	
ALPO0364	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/93-11/14/94	1	3	
ALPO0365	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/23/93-04/20/95	1	3	
ALPO0366	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/30/92-04/20/95	2	5	
ALPO0367	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/93-04/20/95	1	4	
ALPO0368	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/15/94-04/12/95	0	2	
ALPO0369	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/94-01/24/96	1	4	
ALPO0370	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/94-01/24/96	1	4	
ALPO0371	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/15/94-11/15/94	0	1	
ALPO0372	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/94-01/24/96	1	6	
ALPO0373	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/94-08/29/95	1	3	
ALPO0374	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/93-12/21/94	1	3	
ALPO0375	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/94-01/24/96	1	6	
ALPO0376	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/94-01/24/96	1	5	
ALPO0377	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/93-01/25/96	2	5	
ALPO0378	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/92-12/20/94	2	4	
ALPO0379	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/30/92-12/20/94	2	4	
ALPO0380	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/93-07/15/93	0	1	
ALPO0381	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/93-07/15/93	0	1	
ALPO0351	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/22/96-10/22/96	0	1	
ALPO0351	No	00025	BAROMETRIC PRESSURE (MM OF HG)	04/23/96-05/15/97	1	14	
ALPO0003	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/22/92-07/21/93	0	4	
ALPO0011	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/14/79-08/14/79	0	1	
ALPO0026	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	06/03/70-06/03/70	0	1	
ALPO0027	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	06/03/70-06/03/70	0	1	
ALPO0029	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	06/03/70-06/03/70	0	1	
ALPO0030	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	06/03/70-06/03/70	0	1	
ALPO0259	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/26/72-03/14/74	1	9	
ALPO0278	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/12/93-07/12/93	0	1	
ALPO0282	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/28/93-05/24/94	0	2	
ALPO0283	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/13/93-07/13/93	0	1	
ALPO0311	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/15/93-04/19/94	0	2	
ALPO0312	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/15/93-05/24/94	0	2	
ALPO0317	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/13/93-07/13/93	0	1	
ALPO0320	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	06/14/94-11/21/94	0	2	
ALPO0321	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/07/94-07/07/94	0	1	
ALPO0326	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/15/67-09/15/67	0	1	
ALPO0327	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	06/14/94-06/14/94	0	1	
ALPO0328	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/28/93-05/24/94	0	2	
ALPO0329	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/28/93-05/24/94	0	2	
ALPO0330	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/29/65-09/29/65	0	1	
ALPO0331	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/14/93-07/14/93	0	1	
ALPO0332	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	06/14/94-06/14/94	0	1	
ALPO0333	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	06/14/94-06/14/94	0	1	
ALPO0334	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/31/50-09/18/74	24	88	
ALPO0335	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	11/21/94-11/21/94	0	1	
ALPO0339	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/15/94-08/15/94	0	2	
ALPO0340	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/15/94-08/15/94	0	1	
ALPO0341	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/15/94-08/15/94	0	1	
ALPO0342	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/15/94-08/15/94	0	1	
ALPO0343	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/27/93-05/23/94	0	2	
ALPO0344	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/15/94-08/15/94	0	1	
ALPO0345	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/15/94-11/21/94	0	2	
ALPO0348	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/31/50-09/18/74	24	89	
ALPO0349	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/15/94-08/15/94	0	1	
ALPO0350	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/07/26-06/15/76	49	13	
ALPO0351	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/12/59-05/15/97	37	26	
ALPO0354	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/15/94-08/15/94	0	1	
ALPO0357	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	11/21/94-11/21/94	0	1	
ALPO0359	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/28/93-05/23/94	0	2	
ALPO0003	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	09/22/92-07/21/93	0	4	
ALPO0007	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/08/79-08/13/81	2	6	
ALPO0011	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/08/79-08/13/81	2	6	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0012	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/08/79-08/13/81	2	6	
ALPO0014	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/08/79-08/13/81	2	6	
ALPO0199	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/06/79-08/14/81	2	6	
ALPO0262	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/06/79-08/11/81	2	6	
ALPO0278	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/12/93-07/12/93	0	1	
ALPO0282	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/06/79-05/24/94	14	8	
ALPO0283	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/13/93-07/13/93	0	1	
ALPO0311	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/15/93-04/19/94	0	2	
ALPO0312	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/15/93-05/24/94	0	2	
ALPO0317	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/13/93-07/13/93	0	1	
ALPO0320	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/14/94-11/21/94	0	2	
ALPO0321	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/07/94-07/07/94	0	1	
ALPO0327	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/14/94-06/14/94	0	1	
ALPO0328	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/28/93-05/24/94	0	2	
ALPO0329	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/28/93-05/24/94	0	2	
ALPO0330	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	09/29/65-09/29/65	0	1	
ALPO0331	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/14/93-07/14/93	0	1	
ALPO0332	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/14/94-06/14/94	0	1	
ALPO0333	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/14/94-06/14/94	0	1	
ALPO0335	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	11/21/94-11/21/94	0	1	
ALPO0339	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/15/94-08/15/94	0	2	
ALPO0340	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/15/94-08/15/94	0	1	
ALPO0341	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/15/94-08/15/94	0	1	
ALPO0342	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/15/94-08/15/94	0	1	
ALPO0343	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/27/93-05/23/94	0	2	
ALPO0344	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/15/94-08/15/94	0	1	
ALPO0345	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/15/94-11/21/94	0	2	
ALPO0349	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/15/94-08/15/94	0	1	
ALPO0351	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	09/24/79-05/15/97	17	32	
ALPO0354	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/15/94-08/15/94	0	1	
ALPO0356	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/05/79-08/14/81	2	6	
ALPO0357	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	11/21/94-11/21/94	0	1	
ALPO0359	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/06/79-05/23/94	14	8	
ALPO0351	No	00049	SURFACE AREA IN SQUARE MILES	10/23/59-05/02/60	0	2	
ALPO0003	No	00055	VELOCITY, STREAM FT/SEC	07/21/93-07/21/93	0	1	
ALPO0031	No	00058	FLOW, RATE GALLONS/MIN	06/13/94-06/13/94	0	1	
ALPO0032	No	00058	FLOW, RATE GALLONS/MIN	06/13/94-06/13/94	0	1	
ALPO0033	No	00058	FLOW, RATE GALLONS/MIN	06/13/94-06/13/94	0	1	
ALPO0035	No	00058	FLOW, RATE GALLONS/MIN	08/01/94-08/01/94	0	1	
ALPO0037	No	00058	FLOW, RATE GALLONS/MIN	06/13/94-06/13/94	0	1	
ALPO0038	No	00058	FLOW, RATE GALLONS/MIN	06/14/94-06/14/94	0	1	
ALPO0039	No	00058	FLOW, RATE GALLONS/MIN	06/02/92-06/02/93	1	5	
ALPO0040	No	00058	FLOW, RATE GALLONS/MIN	08/03/93-04/03/96	2	4	
ALPO0041	No	00058	FLOW, RATE GALLONS/MIN	06/02/92-06/02/93	1	6	
ALPO0042	No	00058	FLOW, RATE GALLONS/MIN	08/03/93-04/03/96	2	4	
ALPO0043	No	00058	FLOW, RATE GALLONS/MIN	06/13/94-06/13/94	0	1	
ALPO0044	No	00058	FLOW, RATE GALLONS/MIN	08/03/93-06/13/94	0	2	
ALPO0045	No	00058	FLOW, RATE GALLONS/MIN	11/01/94-04/03/96	1	2	
ALPO0046	No	00058	FLOW, RATE GALLONS/MIN	04/03/96-04/03/96	0	1	
ALPO0047	No	00058	FLOW, RATE GALLONS/MIN	06/09/92-06/02/93	0	5	
ALPO0048	No	00058	FLOW, RATE GALLONS/MIN	06/13/94-06/13/94	0	1	
ALPO0049	No	00058	FLOW, RATE GALLONS/MIN	06/13/94-06/13/94	0	1	
ALPO0051	No	00058	FLOW, RATE GALLONS/MIN	08/06/92-10/15/92	0	2	
ALPO0052	No	00058	FLOW, RATE GALLONS/MIN	06/14/94-06/14/94	0	1	
ALPO0053	No	00058	FLOW, RATE GALLONS/MIN	06/14/94-06/14/94	0	1	
ALPO0055	No	00058	FLOW, RATE GALLONS/MIN	06/10/92-06/10/92	0	1	
ALPO0058	No	00058	FLOW, RATE GALLONS/MIN	06/14/94-04/04/96	1	2	
ALPO0059	No	00058	FLOW, RATE GALLONS/MIN	07/27/92-04/04/96	3	5	
ALPO0062	No	00058	FLOW, RATE GALLONS/MIN	06/14/94-04/04/96	1	3	
ALPO0066	No	00058	FLOW, RATE GALLONS/MIN	06/02/92-06/03/93	1	6	
ALPO0067	No	00058	FLOW, RATE GALLONS/MIN	03/06/93-03/06/93	0	1	
ALPO0068	No	00058	FLOW, RATE GALLONS/MIN	06/02/92-06/03/93	1	6	
ALPO0069	No	00058	FLOW, RATE GALLONS/MIN	03/06/93-03/06/93	0	1	
ALPO0070	No	00058	FLOW, RATE GALLONS/MIN	06/02/92-11/06/93	1	3	
ALPO0071	No	00058	FLOW, RATE GALLONS/MIN	06/02/92-06/03/93	1	5	
ALPO0072	No	00058	FLOW, RATE GALLONS/MIN	06/02/92-06/03/93	1	5	
ALPO0073	No	00058	FLOW, RATE GALLONS/MIN	06/07/93-06/07/93	0	1	
ALPO0074	No	00058	FLOW, RATE GALLONS/MIN	06/07/93-06/07/93	0	1	
ALPO0075	No	00058	FLOW, RATE GALLONS/MIN	06/09/92-06/03/93	0	4	
ALPO0077	No	00058	FLOW, RATE GALLONS/MIN	06/07/93-06/07/93	0	1	
ALPO0078	No	00058	FLOW, RATE GALLONS/MIN	06/09/92-06/09/92	0	1	
ALPO0080	No	00058	FLOW, RATE GALLONS/MIN	06/09/92-06/09/92	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0081	No	00058	FLOW, RATE GALLONS/MIN	06/08/94-04/04/95	0	4	
ALPO0082	No	00058	FLOW, RATE GALLONS/MIN	06/08/93-06/08/93	0	1	
ALPO0083	No	00058	FLOW, RATE GALLONS/MIN	09/22/94-09/22/94	0	1	
ALPO0084	No	00058	FLOW, RATE GALLONS/MIN	06/08/93-06/08/93	0	1	
ALPO0085	No	00058	FLOW, RATE GALLONS/MIN	06/07/93-06/07/93	0	1	
ALPO0086	No	00058	FLOW, RATE GALLONS/MIN	06/14/93-06/14/93	0	1	
ALPO0087	No	00058	FLOW, RATE GALLONS/MIN	06/07/93-06/07/93	0	1	
ALPO0088	No	00058	FLOW, RATE GALLONS/MIN	06/07/93-06/07/93	0	1	
ALPO0089	No	00058	FLOW, RATE GALLONS/MIN	06/14/93-06/14/93	0	1	
ALPO0090	No	00058	FLOW, RATE GALLONS/MIN	06/14/93-06/14/93	0	1	
ALPO0091	No	00058	FLOW, RATE GALLONS/MIN	07/20/93-02/01/95	1	4	
ALPO0092	No	00058	FLOW, RATE GALLONS/MIN	06/14/93-06/14/93	0	1	
ALPO0093	No	00058	FLOW, RATE GALLONS/MIN	07/20/93-02/01/95	1	4	
ALPO0094	No	00058	FLOW, RATE GALLONS/MIN	06/08/93-06/08/93	0	1	
ALPO0095	No	00058	FLOW, RATE GALLONS/MIN	07/27/92-07/27/92	0	1	
ALPO0096	No	00058	FLOW, RATE GALLONS/MIN	07/27/92-07/27/92	0	1	
ALPO0097	No	00058	FLOW, RATE GALLONS/MIN	06/07/93-06/01/94	0	2	
ALPO0098	No	00058	FLOW, RATE GALLONS/MIN	06/09/93-02/01/95	1	2	
ALPO0099	No	00058	FLOW, RATE GALLONS/MIN	06/30/93-06/30/93	0	1	
ALPO0100	No	00058	FLOW, RATE GALLONS/MIN	06/30/93-12/08/94	1	3	
ALPO0101	No	00058	FLOW, RATE GALLONS/MIN	07/13/93-04/06/95	1	4	
ALPO0102	No	00058	FLOW, RATE GALLONS/MIN	06/30/93-06/30/93	0	1	
ALPO0103	No	00058	FLOW, RATE GALLONS/MIN	06/07/93-11/29/94	1	3	
ALPO0104	No	00058	FLOW, RATE GALLONS/MIN	06/01/94-03/14/95	0	3	
ALPO0105	No	00058	FLOW, RATE GALLONS/MIN	06/30/93-06/30/93	0	1	
ALPO0106	No	00058	FLOW, RATE GALLONS/MIN	08/01/94-10/13/94	0	2	
ALPO0107	No	00058	FLOW, RATE GALLONS/MIN	08/01/94-10/13/94	0	2	
ALPO0108	No	00058	FLOW, RATE GALLONS/MIN	06/30/93-06/30/93	0	1	
ALPO0109	No	00058	FLOW, RATE GALLONS/MIN	06/30/93-06/30/93	0	1	
ALPO0110	No	00058	FLOW, RATE GALLONS/MIN	07/01/93-03/14/95	1	4	
ALPO0111	No	00058	FLOW, RATE GALLONS/MIN	06/01/94-12/08/94	0	2	
ALPO0112	No	00058	FLOW, RATE GALLONS/MIN	06/30/93-06/30/93	0	1	
ALPO0113	No	00058	FLOW, RATE GALLONS/MIN	05/31/94-05/31/94	0	1	
ALPO0114	No	00058	FLOW, RATE GALLONS/MIN	06/30/93-06/30/93	0	1	
ALPO0115	No	00058	FLOW, RATE GALLONS/MIN	06/03/93-06/03/93	0	1	
ALPO0116	No	00058	FLOW, RATE GALLONS/MIN	06/01/94-06/01/94	0	1	
ALPO0117	No	00058	FLOW, RATE GALLONS/MIN	07/06/93-07/06/93	0	1	
ALPO0118	No	00058	FLOW, RATE GALLONS/MIN	06/01/94-03/14/95	0	3	
ALPO0119	No	00058	FLOW, RATE GALLONS/MIN	07/06/93-07/06/93	0	1	
ALPO0120	No	00058	FLOW, RATE GALLONS/MIN	06/03/93-11/29/94	1	2	
ALPO0121	No	00058	FLOW, RATE GALLONS/MIN	06/03/93-06/03/93	0	1	
ALPO0122	No	00058	FLOW, RATE GALLONS/MIN	07/06/93-06/01/94	0	2	
ALPO0123	No	00058	FLOW, RATE GALLONS/MIN	06/03/93-06/03/93	0	1	
ALPO0124	No	00058	FLOW, RATE GALLONS/MIN	06/14/93-06/06/94	0	2	
ALPO0125	No	00058	FLOW, RATE GALLONS/MIN	06/02/93-04/06/95	1	4	
ALPO0126	No	00058	FLOW, RATE GALLONS/MIN	06/02/93-06/01/94	0	2	
ALPO0127	No	00058	FLOW, RATE GALLONS/MIN	06/29/93-06/29/93	0	1	
ALPO0128	No	00058	FLOW, RATE GALLONS/MIN	06/02/93-06/02/93	0	1	
ALPO0129	No	00058	FLOW, RATE GALLONS/MIN	06/29/93-03/07/95	1	4	
ALPO0131	No	00058	FLOW, RATE GALLONS/MIN	06/09/93-06/09/93	0	1	
ALPO0132	No	00058	FLOW, RATE GALLONS/MIN	06/30/93-03/07/95	1	4	
ALPO0133	No	00058	FLOW, RATE GALLONS/MIN	06/29/93-03/07/95	1	4	
ALPO0134	No	00058	FLOW, RATE GALLONS/MIN	07/27/94-04/04/95	0	3	
ALPO0135	No	00058	FLOW, RATE GALLONS/MIN	06/07/93-10/13/94	1	4	
ALPO0137	No	00058	FLOW, RATE GALLONS/MIN	06/07/93-10/13/94	1	4	
ALPO0138	No	00058	FLOW, RATE GALLONS/MIN	06/07/93-06/07/93	0	1	
ALPO0139	No	00058	FLOW, RATE GALLONS/MIN	06/29/93-06/29/93	0	1	
ALPO0140	No	00058	FLOW, RATE GALLONS/MIN	06/29/93-06/29/93	0	1	
ALPO0141	No	00058	FLOW, RATE GALLONS/MIN	06/29/93-06/29/93	0	1	
ALPO0142	No	00058	FLOW, RATE GALLONS/MIN	08/05/92-04/06/95	2	8	
ALPO0143	No	00058	FLOW, RATE GALLONS/MIN	11/30/92-11/30/92	0	1	
ALPO0144	No	00058	FLOW, RATE GALLONS/MIN	11/30/92-11/30/92	0	1	
ALPO0145	No	00058	FLOW, RATE GALLONS/MIN	06/16/94-06/16/94	0	1	
ALPO0146	No	00058	FLOW, RATE GALLONS/MIN	06/07/93-10/13/94	1	3	
ALPO0147	No	00058	FLOW, RATE GALLONS/MIN	06/14/93-06/14/93	0	1	
ALPO0148	No	00058	FLOW, RATE GALLONS/MIN	06/14/93-06/14/93	0	1	
ALPO0149	No	00058	FLOW, RATE GALLONS/MIN	06/14/93-06/14/94	1	2	
ALPO0150	No	00058	FLOW, RATE GALLONS/MIN	06/14/93-06/14/93	0	1	
ALPO0151	No	00058	FLOW, RATE GALLONS/MIN	07/27/94-12/15/94	0	2	
ALPO0152	No	00058	FLOW, RATE GALLONS/MIN	11/28/92-05/31/94	1	6	
ALPO0153	No	00058	FLOW, RATE GALLONS/MIN	01/28/93-05/31/94	1	4	
ALPO0154	No	00058	FLOW, RATE GALLONS/MIN	06/29/93-06/29/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0155	No	00058	FLOW, RATE GALLONS/MIN	12/22/92-11/06/93	0	4	
ALPO0156	No	00058	FLOW, RATE GALLONS/MIN	06/29/93-06/29/93	0	1	
ALPO0157	No	00058	FLOW, RATE GALLONS/MIN	06/14/93-03/16/95	1	4	
ALPO0158	No	00058	FLOW, RATE GALLONS/MIN	06/14/93-06/14/93	0	1	
ALPO0159	No	00058	FLOW, RATE GALLONS/MIN	06/14/93-06/14/93	0	1	
ALPO0160	No	00058	FLOW, RATE GALLONS/MIN	06/08/94-03/07/95	0	3	
ALPO0161	No	00058	FLOW, RATE GALLONS/MIN	08/18/93-03/13/95	1	4	
ALPO0162	No	00058	FLOW, RATE GALLONS/MIN	08/18/93-03/13/95	1	4	
ALPO0166	No	00058	FLOW, RATE GALLONS/MIN	08/01/94-08/01/94	0	1	
ALPO0168	No	00058	FLOW, RATE GALLONS/MIN	06/29/93-06/29/93	0	1	
ALPO0169	No	00058	FLOW, RATE GALLONS/MIN	07/27/93-07/27/93	0	1	
ALPO0170	No	00058	FLOW, RATE GALLONS/MIN	06/28/93-06/28/93	0	1	
ALPO0171	No	00058	FLOW, RATE GALLONS/MIN	06/28/93-05/23/95	1	4	
ALPO0172	No	00058	FLOW, RATE GALLONS/MIN	06/28/93-06/28/93	0	1	
ALPO0173	No	00058	FLOW, RATE GALLONS/MIN	07/28/93-10/19/94	1	3	
ALPO0174	No	00058	FLOW, RATE GALLONS/MIN	07/28/93-12/15/94	1	3	
ALPO0175	No	00058	FLOW, RATE GALLONS/MIN	08/01/94-08/01/94	0	1	
ALPO0176	No	00058	FLOW, RATE GALLONS/MIN	07/28/93-05/16/95	1	4	
ALPO0179	No	00058	FLOW, RATE GALLONS/MIN	07/12/93-07/12/93	0	1	
ALPO0181	No	00058	FLOW, RATE GALLONS/MIN	08/12/93-06/06/94	0	2	
ALPO0182	No	00058	FLOW, RATE GALLONS/MIN	08/12/93-08/12/93	0	1	
ALPO0183	No	00058	FLOW, RATE GALLONS/MIN	08/12/93-06/05/94	0	2	
ALPO0184	No	00058	FLOW, RATE GALLONS/MIN	08/12/93-08/12/93	0	1	
ALPO0186	No	00058	FLOW, RATE GALLONS/MIN	06/07/94-04/11/95	0	2	
ALPO0187	No	00058	FLOW, RATE GALLONS/MIN	08/12/93-08/12/93	0	1	
ALPO0188	No	00058	FLOW, RATE GALLONS/MIN	08/12/93-08/12/93	0	1	
ALPO0189	No	00058	FLOW, RATE GALLONS/MIN	08/15/93-06/05/94	0	2	
ALPO0190	No	00058	FLOW, RATE GALLONS/MIN	06/24/93-03/07/95	1	2	
ALPO0191	No	00058	FLOW, RATE GALLONS/MIN	06/24/93-06/24/93	0	1	
ALPO0192	No	00058	FLOW, RATE GALLONS/MIN	06/22/93-03/15/95	1	3	
ALPO0193	No	00058	FLOW, RATE GALLONS/MIN	06/22/93-06/08/94	0	2	
ALPO0194	No	00058	FLOW, RATE GALLONS/MIN	06/29/93-06/29/93	0	1	
ALPO0195	No	00058	FLOW, RATE GALLONS/MIN	06/14/93-06/14/93	0	1	
ALPO0196	No	00058	FLOW, RATE GALLONS/MIN	07/28/93-10/03/94	1	3	
ALPO0197	No	00058	FLOW, RATE GALLONS/MIN	05/25/94-05/25/94	0	1	
ALPO0198	No	00058	FLOW, RATE GALLONS/MIN	08/04/93-09/29/94	1	3	
ALPO0201	No	00058	FLOW, RATE GALLONS/MIN	08/04/93-09/29/94	1	3	
ALPO0202	No	00058	FLOW, RATE GALLONS/MIN	12/21/93-12/21/93	0	1	
ALPO0205	No	00058	FLOW, RATE GALLONS/MIN	06/24/93-06/24/93	0	1	
ALPO0206	No	00058	FLOW, RATE GALLONS/MIN	06/15/93-06/15/93	0	1	
ALPO0208	No	00058	FLOW, RATE GALLONS/MIN	06/15/93-06/15/93	0	1	
ALPO0209	No	00058	FLOW, RATE GALLONS/MIN	08/16/93-04/11/95	1	4	
ALPO0210	No	00058	FLOW, RATE GALLONS/MIN	07/26/93-07/26/93	0	1	
ALPO0211	No	00058	FLOW, RATE GALLONS/MIN	08/16/93-04/11/95	1	4	
ALPO0212	No	00058	FLOW, RATE GALLONS/MIN	08/05/93-08/05/93	0	1	
ALPO0213	No	00058	FLOW, RATE GALLONS/MIN	07/26/93-07/26/93	0	1	
ALPO0214	No	00058	FLOW, RATE GALLONS/MIN	08/16/93-08/16/93	0	1	
ALPO0215	No	00058	FLOW, RATE GALLONS/MIN	06/15/93-06/15/93	0	1	
ALPO0216	No	00058	FLOW, RATE GALLONS/MIN	06/15/93-06/15/93	0	1	
ALPO0217	No	00058	FLOW, RATE GALLONS/MIN	06/15/93-06/15/93	0	1	
ALPO0218	No	00058	FLOW, RATE GALLONS/MIN	08/04/93-09/29/94	1	3	
ALPO0219	No	00058	FLOW, RATE GALLONS/MIN	08/04/93-08/04/93	0	1	
ALPO0220	No	00058	FLOW, RATE GALLONS/MIN	08/04/93-08/04/93	0	1	
ALPO0221	No	00058	FLOW, RATE GALLONS/MIN	06/17/93-06/17/93	0	1	
ALPO0222	No	00058	FLOW, RATE GALLONS/MIN	07/12/93-05/23/95	1	3	
ALPO0223	No	00058	FLOW, RATE GALLONS/MIN	07/12/93-05/23/95	1	2	
ALPO0224	No	00058	FLOW, RATE GALLONS/MIN	02/19/94-05/23/94	0	2	
ALPO0226	No	00058	FLOW, RATE GALLONS/MIN	07/12/93-07/12/93	0	1	
ALPO0227	No	00058	FLOW, RATE GALLONS/MIN	07/12/93-12/15/94	1	3	
ALPO0228	No	00058	FLOW, RATE GALLONS/MIN	07/01/94-07/01/94	0	1	
ALPO0230	No	00058	FLOW, RATE GALLONS/MIN	07/12/93-07/12/93	0	1	
ALPO0232	No	00058	FLOW, RATE GALLONS/MIN	06/17/93-06/17/93	0	1	
ALPO0234	No	00058	FLOW, RATE GALLONS/MIN	08/10/94-08/10/94	0	1	
ALPO0236	No	00058	FLOW, RATE GALLONS/MIN	08/16/93-08/16/93	0	1	
ALPO0237	No	00058	FLOW, RATE GALLONS/MIN	08/16/93-08/16/93	0	1	
ALPO0240	No	00058	FLOW, RATE GALLONS/MIN	08/16/93-05/17/95	1	4	
ALPO0241	No	00058	FLOW, RATE GALLONS/MIN	08/16/93-08/16/93	0	1	
ALPO0242	No	00058	FLOW, RATE GALLONS/MIN	08/16/93-09/24/94	1	3	
ALPO0243	No	00058	FLOW, RATE GALLONS/MIN	08/16/93-08/16/93	0	1	
ALPO0244	No	00058	FLOW, RATE GALLONS/MIN	06/20/94-09/23/94	0	2	
ALPO0246	No	00058	FLOW, RATE GALLONS/MIN	07/26/94-10/05/94	0	3	
ALPO0248	No	00058	FLOW, RATE GALLONS/MIN	12/21/93-06/09/94	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0249	No	00058	FLOW, RATE GALLONS/MIN	08/16/93-08/16/93	0	1	
ALPO0250	No	00058	FLOW, RATE GALLONS/MIN	12/21/93-12/21/93	0	1	
ALPO0251	No	00058	FLOW, RATE GALLONS/MIN	12/21/93-06/09/94	0	2	
ALPO0252	No	00058	FLOW, RATE GALLONS/MIN	12/21/93-12/21/93	0	1	
ALPO0253	Yes	00058	FLOW, RATE GALLONS/MIN	08/16/93-08/16/93	0	1	
ALPO0255	Yes	00058	FLOW, RATE GALLONS/MIN	08/16/93-08/16/93	0	1	
ALPO0256	No	00058	FLOW, RATE GALLONS/MIN	07/26/94-05/18/95	0	4	
ALPO0257	No	00058	FLOW, RATE GALLONS/MIN	07/26/94-05/18/95	0	4	
ALPO0258	No	00058	FLOW, RATE GALLONS/MIN	07/26/94-05/18/95	0	4	
ALPO0260	No	00058	FLOW, RATE GALLONS/MIN	07/26/93-07/26/93	0	1	
ALPO0261	No	00058	FLOW, RATE GALLONS/MIN	07/26/94-05/18/95	0	3	
ALPO0263	No	00058	FLOW, RATE GALLONS/MIN	08/16/93-08/16/93	0	1	
ALPO0264	No	00058	FLOW, RATE GALLONS/MIN	07/26/94-10/11/94	0	3	
ALPO0265	No	00058	FLOW, RATE GALLONS/MIN	08/16/93-11/22/94	1	3	
ALPO0268	No	00058	FLOW, RATE GALLONS/MIN	08/02/94-11/22/94	0	2	
ALPO0271	No	00058	FLOW, RATE GALLONS/MIN	08/02/94-11/22/94	0	2	
ALPO0272	No	00058	FLOW, RATE GALLONS/MIN	08/25/94-08/25/94	0	1	
ALPO0273	No	00058	FLOW, RATE GALLONS/MIN	08/02/94-08/02/94	0	1	
ALPO0274	No	00058	FLOW, RATE GALLONS/MIN	08/25/94-08/25/94	0	1	
ALPO0276	No	00058	FLOW, RATE GALLONS/MIN	08/03/94-11/20/94	0	2	
ALPO0277	No	00058	FLOW, RATE GALLONS/MIN	07/26/94-05/24/95	0	3	
ALPO0279	No	00058	FLOW, RATE GALLONS/MIN	07/26/94-12/29/94	0	2	
ALPO0280	No	00058	FLOW, RATE GALLONS/MIN	07/29/92-07/29/92	0	1	
ALPO0284	No	00058	FLOW, RATE GALLONS/MIN	08/10/94-08/10/94	0	1	
ALPO0285	No	00058	FLOW, RATE GALLONS/MIN	07/29/92-07/06/93	0	4	
ALPO0286	No	00058	FLOW, RATE GALLONS/MIN	07/27/94-03/19/95	0	3	
ALPO0287	No	00058	FLOW, RATE GALLONS/MIN	07/29/92-07/06/93	0	4	
ALPO0288	No	00058	FLOW, RATE GALLONS/MIN	07/28/94-03/19/95	0	3	
ALPO0289	No	00058	FLOW, RATE GALLONS/MIN	07/28/94-03/19/95	0	2	
ALPO0290	No	00058	FLOW, RATE GALLONS/MIN	07/29/92-07/29/92	0	1	
ALPO0291	No	00058	FLOW, RATE GALLONS/MIN	11/09/92-11/09/92	0	1	
ALPO0292	No	00058	FLOW, RATE GALLONS/MIN	07/28/94-03/19/95	0	3	
ALPO0293	No	00058	FLOW, RATE GALLONS/MIN	07/27/94-03/19/95	0	3	
ALPO0294	No	00058	FLOW, RATE GALLONS/MIN	07/28/94-03/19/95	0	3	
ALPO0295	No	00058	FLOW, RATE GALLONS/MIN	07/28/94-03/19/95	0	3	
ALPO0297	No	00058	FLOW, RATE GALLONS/MIN	07/28/94-03/19/95	0	3	
ALPO0298	Yes	00058	FLOW, RATE GALLONS/MIN	07/28/94-09/20/94	0	2	
ALPO0299	Yes	00058	FLOW, RATE GALLONS/MIN	07/28/94-09/20/94	0	2	
ALPO0300	No	00058	FLOW, RATE GALLONS/MIN	07/28/94-03/19/95	0	3	
ALPO0301	Yes	00058	FLOW, RATE GALLONS/MIN	07/28/94-05/24/95	0	3	
ALPO0302	No	00058	FLOW, RATE GALLONS/MIN	08/03/92-08/03/92	0	1	
ALPO0304	No	00058	FLOW, RATE GALLONS/MIN	07/28/94-05/24/95	0	3	
ALPO0305	No	00058	FLOW, RATE GALLONS/MIN	11/09/92-11/09/92	0	1	
ALPO0306	No	00058	FLOW, RATE GALLONS/MIN	08/03/92-08/03/92	0	1	
ALPO0307	No	00058	FLOW, RATE GALLONS/MIN	08/10/94-08/10/94	0	1	
ALPO0308	No	00058	FLOW, RATE GALLONS/MIN	07/19/94-12/06/94	0	2	
ALPO0310	No	00058	FLOW, RATE GALLONS/MIN	07/19/94-12/06/94	0	2	
ALPO0313	No	00058	FLOW, RATE GALLONS/MIN	08/03/92-08/03/92	0	1	
ALPO0314	No	00058	FLOW, RATE GALLONS/MIN	07/29/92-07/06/93	0	3	
ALPO0315	No	00058	FLOW, RATE GALLONS/MIN	11/23/92-11/23/92	0	1	
ALPO0316	No	00058	FLOW, RATE GALLONS/MIN	07/20/94-07/20/94	0	1	
ALPO0319	No	00058	FLOW, RATE GALLONS/MIN	07/20/94-12/06/94	0	2	
ALPO0324	No	00058	FLOW, RATE GALLONS/MIN	07/29/92-07/06/93	0	3	
ALPO0325	No	00058	FLOW, RATE GALLONS/MIN	07/20/94-12/01/94	0	2	
ALPO0337	No	00058	FLOW, RATE GALLONS/MIN	08/22/94-08/22/94	0	1	
ALPO0338	No	00058	FLOW, RATE GALLONS/MIN	08/11/94-11/16/94	0	2	
ALPO0347	No	00058	FLOW, RATE GALLONS/MIN	05/28/94-05/28/94	0	1	
ALPO0350	No	00058	FLOW, RATE GALLONS/MIN	04/20/53-11/10/71	18	2	
ALPO0355	No	00058	FLOW, RATE GALLONS/MIN	08/11/94-08/11/94	0	1	
ALPO0360	No	00058	FLOW, RATE GALLONS/MIN	08/25/94-08/25/94	0	1	
ALPO0361	No	00058	FLOW, RATE GALLONS/MIN	10/23/93-01/25/96	2	2	
ALPO0362	No	00058	FLOW, RATE GALLONS/MIN	07/28/92-01/25/96	3	7	
ALPO0363	No	00058	FLOW, RATE GALLONS/MIN	10/23/93-01/25/96	2	2	
ALPO0364	No	00058	FLOW, RATE GALLONS/MIN	07/13/93-11/14/94	1	3	
ALPO0365	No	00058	FLOW, RATE GALLONS/MIN	10/23/93-09/30/95	1	4	
ALPO0366	No	00058	FLOW, RATE GALLONS/MIN	09/30/92-04/20/95	2	5	
ALPO0367	No	00058	FLOW, RATE GALLONS/MIN	07/13/93-04/20/95	1	4	
ALPO0368	No	00058	FLOW, RATE GALLONS/MIN	11/15/94-04/12/95	0	2	
ALPO0369	No	00058	FLOW, RATE GALLONS/MIN	02/05/94-01/24/96	1	4	
ALPO0370	No	00058	FLOW, RATE GALLONS/MIN	02/05/94-01/24/96	1	4	
ALPO0371	No	00058	FLOW, RATE GALLONS/MIN	11/15/94-11/15/94	0	1	
ALPO0372	No	00058	FLOW, RATE GALLONS/MIN	02/05/94-01/24/96	1	6	

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Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0373	No	00058	FLOW, RATE GALLONS/MIN	02/05/94-08/29/95	1	3	
ALPO0374	No	00058	FLOW, RATE GALLONS/MIN	07/15/93-10/01/95	2	4	
ALPO0375	No	00058	FLOW, RATE GALLONS/MIN	02/05/94-01/24/96	1	6	
ALPO0376	No	00058	FLOW, RATE GALLONS/MIN	02/05/94-01/24/96	1	5	
ALPO0377	No	00058	FLOW, RATE GALLONS/MIN	07/15/93-01/25/96	2	6	
ALPO0378	No	00058	FLOW, RATE GALLONS/MIN	07/28/92-12/20/94	2	4	
ALPO0379	No	00058	FLOW, RATE GALLONS/MIN	09/30/92-12/20/94	2	4	
ALPO0380	No	00058	FLOW, RATE GALLONS/MIN	07/15/93-07/15/93	0	1	
ALPO0381	No	00058	FLOW, RATE GALLONS/MIN	07/15/93-07/15/93	0	1	
ALPO0029	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/03/70-06/03/70	0	1	
ALPO0030	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/03/70-06/03/70	0	1	
ALPO0278	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	07/12/93-07/12/93	0	1	
ALPO0283	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	07/13/93-07/13/93	0	1	
ALPO0311	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	07/15/93-04/19/94	0	2	
ALPO0312	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	07/15/93-07/15/93	0	1	
ALPO0317	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	07/13/93-07/13/93	0	1	
ALPO0320	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/14/94-11/21/94	0	2	
ALPO0321	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	07/07/94-07/07/94	0	1	
ALPO0327	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/14/94-06/14/94	0	1	
ALPO0331	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	07/14/93-07/14/93	0	1	
ALPO0332	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/14/94-06/14/94	0	1	
ALPO0333	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/14/94-06/14/94	0	1	
ALPO0335	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	11/21/94-11/21/94	0	1	
ALPO0339	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	08/15/94-08/15/94	0	2	
ALPO0340	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	08/15/94-08/15/94	0	1	
ALPO0341	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	08/15/94-08/15/94	0	1	
ALPO0342	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	08/15/94-08/15/94	0	1	
ALPO0344	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	08/15/94-08/15/94	0	1	
ALPO0345	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	08/15/94-11/21/94	0	2	
ALPO0349	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	08/15/94-08/15/94	0	1	
ALPO0354	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	08/15/94-08/15/94	0	1	
ALPO0357	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	11/21/94-11/21/94	0	1	
ALPO0005	No	00060	FLOW, STREAM, MEAN DAILY CFS	04/20/66-09/23/69	3	6	
ALPO0330	No	00060	FLOW, STREAM, MEAN DAILY CFS	09/29/65-09/29/65	0	1	
ALPO0334	No	00060	FLOW, STREAM, MEAN DAILY CFS	03/31/50-09/05/78	28	133	T,S
ALPO0348	No	00060	FLOW, STREAM, MEAN DAILY CFS	03/31/50-09/05/78	28	136	T,S
ALPO0351	No	00060	FLOW, STREAM, MEAN DAILY CFS	10/23/59-10/24/63	4	3	
ALPO0003	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/21/93-07/21/93	0	1	
ALPO0007	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/08/79-08/13/81	2	6	
ALPO0011	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/08/79-08/13/81	2	5	
ALPO0012	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/08/79-08/13/81	2	6	
ALPO0014	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/08/79-08/13/81	2	6	
ALPO0017	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/72-10/02/72	0	1	
ALPO0034	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/26/72-07/26/72	0	1	
ALPO0036	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/26/72-07/26/72	0	1	
ALPO0050	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/72-10/23/72	0	1	
ALPO0054	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/72-10/17/72	0	1	
ALPO0056	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/72-10/17/72	0	1	
ALPO0057	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/72-10/17/72	0	1	
ALPO0060	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/72-10/17/72	0	1	
ALPO0061	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/72-10/17/72	0	1	
ALPO0063	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/72-10/17/72	0	1	
ALPO0064	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/72-10/17/72	0	1	
ALPO0065	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/72-10/17/72	0	1	
ALPO0076	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/72-12/03/72	0	3	
ALPO0079	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/72-12/03/72	0	3	
ALPO0199	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/06/79-08/14/81	2	6	
ALPO0259	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-09/11/73	0	1	
ALPO0262	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/06/79-08/11/81	2	6	
ALPO0278	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/12/93-07/12/93	0	1	
ALPO0282	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/06/79-05/24/94	14	8	
ALPO0283	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/13/93-07/13/93	0	1	
ALPO0311	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/15/93-04/19/94	0	2	
ALPO0312	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/15/93-07/15/93	0	1	
ALPO0317	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/13/93-07/13/93	0	1	
ALPO0320	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/14/94-11/21/94	0	2	
ALPO0321	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/07/94-07/07/94	0	1	
ALPO0327	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/14/94-06/14/94	0	1	
ALPO0328	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/28/93-05/24/94	0	2	
ALPO0329	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/28/93-05/24/94	0	2	
ALPO0331	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/14/93-07/14/93	0	1	
ALPO0332	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/14/94-06/14/94	0	1	

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Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0333	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/14/94-06/14/94	0	1	
ALPO0334	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-09/24/87	14	99	
ALPO0335	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/21/94-11/21/94	0	1	
ALPO0339	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/15/94-08/15/94	0	2	
ALPO0340	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/15/94-08/15/94	0	1	
ALPO0341	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/15/94-08/15/94	0	1	
ALPO0342	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/15/94-08/15/94	0	1	
ALPO0343	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/27/93-05/23/94	0	2	
ALPO0344	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/15/94-08/15/94	0	1	
ALPO0345	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/15/94-11/21/94	0	2	
ALPO0348	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-12/01/87	14	105	
ALPO0349	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/15/94-08/15/94	0	1	
ALPO0350	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/75-04/11/76	0	4	
ALPO0351	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/75-03/24/97	21	35	
ALPO0354	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/15/94-08/15/94	0	1	
ALPO0356	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/05/79-08/14/81	2	6	
ALPO0357	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/21/94-11/21/94	0	1	
ALPO0359	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/06/79-05/23/94	14	8	
ALPO0130	No	00064	DEPTH OF STREAM, MEAN (FT)	04/14/86-05/04/86	0	2	
ALPO0203	No	00064	DEPTH OF STREAM, MEAN (FT)	04/14/86-05/04/86	0	2	
ALPO0275	No	00064	DEPTH OF STREAM, MEAN (FT)	04/14/86-05/04/86	0	2	
ALPO0281	No	00064	DEPTH OF STREAM, MEAN (FT)	04/14/86-05/04/86	0	2	
ALPO0334	No	00065	STAGE, STREAM (FEET)	06/06/74-09/24/87	13	128	
ALPO0348	No	00065	STAGE, STREAM (FEET)	06/06/74-12/01/87	13	132	
ALPO0351	No	00065	STAGE, STREAM (FEET)	04/23/96-05/15/97	1	14	
ALPO0027	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/03/70-12/21/76	6	2	
ALPO0259	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/26/72-03/14/74	1	9	
ALPO0326	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/15/67-09/15/67	0	1	
ALPO0334	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/25/62-10/04/77	15	66	
ALPO0348	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/28/62-10/04/77	15	69	
ALPO0350	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/21/75-06/15/76	0	6	
ALPO0351	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/21/75-06/15/76	0	6	
ALPO0334	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/16/77-12/08/82	5	55	
ALPO0346	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/25/80-04/28/81	0	5	
ALPO0348	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/16/77-12/08/82	5	56	
ALPO0352	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/30/80-04/28/81	0	4	
ALPO0358	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/25/80-04/28/81	0	5	
ALPO0005	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/20/66-01/16/69	2	6	
ALPO0027	No	00080	COLOR (PLATINUM-COBALT UNITS)	12/21/76-12/21/76	0	1	
ALPO0130	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/14/86-05/04/86	0	2	
ALPO0203	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/14/86-05/04/86	0	2	
ALPO0275	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/14/86-05/04/86	0	2	
ALPO0281	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/14/86-05/04/86	0	2	
ALPO0326	No	00080	COLOR (PLATINUM-COBALT UNITS)	09/15/67-09/15/67	0	1	
ALPO0330	No	00080	COLOR (PLATINUM-COBALT UNITS)	09/29/65-09/29/65	0	1	
ALPO0334	No	00080	COLOR (PLATINUM-COBALT UNITS)	09/25/62-05/18/78	15	39	
ALPO0346	No	00080	COLOR (PLATINUM-COBALT UNITS)	11/25/80-04/28/81	0	5	
ALPO0348	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/28/62-05/18/78	15	41	
ALPO0350	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/20/53-07/08/71	18	3	
ALPO0351	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/12/59-10/24/63	4	6	
ALPO0352	No	00080	COLOR (PLATINUM-COBALT UNITS)	12/30/80-04/28/81	0	4	
ALPO0358	No	00080	COLOR (PLATINUM-COBALT UNITS)	11/25/80-04/28/81	0	5	
ALPO0334	No	00086	ODOR (THRESHOLD NUMBER AT 60 DEG C)	06/01/71-03/01/72	0	3	
ALPO0348	No	00086	ODOR (THRESHOLD NUMBER AT 60 DEG C)	07/08/70-03/01/72	1	4	
ALPO0031	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/13/94-06/13/94	0	1	
ALPO0032	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/13/94-06/13/94	0	1	
ALPO0033	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/13/94-06/13/94	0	1	
ALPO0035	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/01/94-08/01/94	0	1	
ALPO0037	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/13/94-06/13/94	0	1	
ALPO0038	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/94-06/14/94	0	1	
ALPO0039	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/02/92-06/02/93	1	5	
ALPO0040	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/93-04/03/96	2	4	
ALPO0041	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/02/92-06/02/93	1	6	
ALPO0042	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/93-04/03/96	2	4	
ALPO0043	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/13/94-06/13/94	0	1	
ALPO0044	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/93-06/13/94	0	2	
ALPO0045	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/01/94-04/03/96	1	2	
ALPO0046	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/03/96-04/03/96	0	1	
ALPO0047	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/09/92-06/02/93	0	5	
ALPO0048	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/13/94-06/13/94	0	1	
ALPO0049	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/13/94-06/13/94	0	1	
ALPO0051	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM 25C)	08/06/92-10/15/92	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0052	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/94-06/14/94	0	1	
ALPO0053	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/94-06/14/94	0	1	
ALPO0055	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/10/92-06/10/92	0	1	
ALPO0058	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/94-04/04/96	1	2	
ALPO0059	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/27/92-04/04/96	3	5	
ALPO0062	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/94-04/04/96	1	3	
ALPO0066	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/02/92-06/03/93	1	6	
ALPO0067	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/06/93-03/06/93	0	1	
ALPO0068	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/02/92-06/03/93	1	6	
ALPO0069	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/06/93-03/06/93	0	1	
ALPO0070	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/02/92-11/06/93	1	3	
ALPO0071	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/02/92-06/03/93	1	5	
ALPO0072	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/02/92-06/03/93	1	5	
ALPO0073	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-06/07/93	0	1	
ALPO0074	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-06/07/93	0	1	
ALPO0075	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/09/92-06/03/93	0	4	
ALPO0077	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-06/07/93	0	1	
ALPO0078	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/09/92-06/09/92	0	1	
ALPO0080	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/09/92-06/09/92	0	1	
ALPO0081	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/08/94-04/04/95	0	4	
ALPO0082	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/08/93-06/08/93	0	1	
ALPO0083	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/22/94-09/22/94	0	1	
ALPO0084	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/08/93-06/08/93	0	1	
ALPO0085	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-06/07/93	0	1	
ALPO0086	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-06/14/93	0	1	
ALPO0087	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-06/07/93	0	1	
ALPO0088	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-06/07/93	0	1	
ALPO0089	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-06/14/93	0	1	
ALPO0090	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-06/14/93	0	1	
ALPO0091	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/20/93-02/01/95	1	4	
ALPO0092	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-06/14/93	0	1	
ALPO0093	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/20/93-02/01/95	1	4	
ALPO0094	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/08/93-06/08/93	0	1	
ALPO0095	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/27/92-07/27/92	0	1	
ALPO0096	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/27/92-07/27/92	0	1	
ALPO0097	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-06/01/94	0	2	
ALPO0098	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/09/93-02/01/95	1	2	
ALPO0099	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/30/93-06/30/93	0	1	
ALPO0100	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/30/93-12/08/94	1	3	
ALPO0101	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/13/93-04/06/95	1	4	
ALPO0102	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/30/93-06/30/93	0	1	
ALPO0103	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-11/29/94	1	3	
ALPO0104	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/01/94-03/14/95	0	3	
ALPO0105	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/30/93-06/30/93	0	1	
ALPO0106	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/01/94-10/13/94	0	2	
ALPO0107	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/01/94-10/13/94	0	2	
ALPO0108	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/30/93-06/30/93	0	1	
ALPO0109	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/30/93-06/30/93	0	1	
ALPO0110	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/01/93-03/14/95	1	4	
ALPO0111	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/01/94-12/08/94	0	2	
ALPO0112	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/30/93-06/30/93	0	1	
ALPO0113	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/31/94-05/31/94	0	1	
ALPO0114	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/30/93-06/30/93	0	1	
ALPO0115	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/03/93-06/03/93	0	1	
ALPO0116	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/01/94-06/01/94	0	1	
ALPO0117	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/93-07/06/93	0	1	
ALPO0118	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/01/94-03/14/95	0	3	
ALPO0119	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/93-07/06/93	0	1	
ALPO0120	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/03/93-11/29/94	1	2	
ALPO0121	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/03/93-06/03/93	0	1	
ALPO0122	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/93-06/01/94	0	2	
ALPO0123	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/03/93-06/03/93	0	1	
ALPO0124	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-06/06/94	0	2	
ALPO0125	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/02/93-04/06/95	1	4	
ALPO0126	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/02/93-06/01/94	0	2	
ALPO0127	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/29/93-06/29/93	0	1	
ALPO0128	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/02/93-06/01/94	0	2	
ALPO0129	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/29/93-03/07/95	1	4	
ALPO0131	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/09/93-06/09/93	0	1	
ALPO0132	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/30/93-03/07/95	1	4	
ALPO0133	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/29/93-03/07/95	1	4	
ALPO0134	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM 25C)	07/27/94-04/04/95	0	3	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0135	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-10/13/94	1	4	
ALPO0136	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/06/94-06/06/94	0	1	
ALPO0137	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-10/13/94	1	4	
ALPO0138	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-06/07/93	0	1	
ALPO0139	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/29/93-06/29/93	0	1	
ALPO0140	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/29/93-06/29/93	0	1	
ALPO0141	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/29/93-06/29/93	0	1	
ALPO0142	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/05/92-04/06/95	2	8	
ALPO0143	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/30/92-11/30/92	0	1	
ALPO0144	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/30/92-11/30/92	0	1	
ALPO0145	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/16/94-04/06/95	0	2	
ALPO0146	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-10/13/94	1	3	
ALPO0147	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-06/14/93	0	1	
ALPO0148	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-06/14/93	0	1	
ALPO0149	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-04/06/95	1	3	
ALPO0150	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-06/14/93	0	1	
ALPO0151	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/27/94-12/15/94	0	2	
ALPO0152	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/28/92-05/31/94	1	6	
ALPO0153	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/28/93-05/31/94	1	4	
ALPO0154	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/29/93-06/29/93	0	1	
ALPO0155	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/22/92-11/06/93	0	4	
ALPO0156	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/29/93-06/29/93	0	1	
ALPO0157	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-03/16/95	1	4	
ALPO0158	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-06/14/93	0	1	
ALPO0159	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-06/14/93	0	1	
ALPO0160	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/18/93-03/07/95	1	4	
ALPO0161	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/18/93-03/13/95	1	4	
ALPO0162	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/18/93-03/13/95	1	4	
ALPO0163	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/07/86-07/07/87	1	12	
ALPO0164	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/01/94-08/01/94	0	1	
ALPO0165	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/22/86-07/22/86	0	1	
ALPO0166	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/01/94-08/01/94	0	1	
ALPO0168	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/29/93-06/29/93	0	1	
ALPO0169	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/27/93-07/27/93	0	1	
ALPO0170	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/28/93-05/25/94	0	2	
ALPO0171	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/28/93-05/23/95	1	4	
ALPO0172	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/28/93-05/25/94	0	2	
ALPO0173	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/93-10/19/94	1	3	
ALPO0174	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/93-12/15/94	1	3	
ALPO0175	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/01/94-08/01/94	0	1	
ALPO0176	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/93-05/16/95	1	4	
ALPO0177	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/07/86-07/07/87	1	12	
ALPO0178	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/25/86-07/07/87	1	6	
ALPO0179	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/12/93-07/12/93	0	1	
ALPO0180	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/05/93-08/05/93	0	1	
ALPO0181	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/12/93-06/06/94	0	2	
ALPO0182	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/12/93-06/06/94	0	2	
ALPO0183	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/12/93-06/05/94	0	2	
ALPO0184	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/12/93-08/12/93	0	1	
ALPO0185	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/12/93-08/12/93	0	1	
ALPO0186	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/94-04/11/95	0	2	
ALPO0187	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/12/93-08/12/93	0	1	
ALPO0188	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/12/93-08/12/93	0	1	
ALPO0189	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/15/93-06/05/94	0	2	
ALPO0190	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/24/93-03/07/95	1	2	
ALPO0191	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/24/93-06/24/93	0	1	
ALPO0192	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/22/93-03/15/95	1	3	
ALPO0193	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/22/93-06/08/94	0	2	
ALPO0194	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/29/93-06/29/93	0	1	
ALPO0195	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-06/14/93	0	1	
ALPO0196	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/93-10/03/94	1	3	
ALPO0197	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/25/94-05/25/94	0	1	
ALPO0198	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/04/93-09/29/94	1	3	
ALPO0200	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/25/94-05/25/94	0	1	
ALPO0201	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/04/93-09/29/94	1	3	
ALPO0202	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/21/93-12/21/93	0	1	
ALPO0204	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/25/94-05/25/94	0	1	
ALPO0205	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/24/93-06/24/93	0	1	
ALPO0206	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/15/93-06/15/93	0	1	
ALPO0207	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/05/93-08/05/93	0	1	
ALPO0208	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/15/93-06/15/93	0	1	
ALPO0209	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM 25C)	08/16/93-04/11/95	1	4	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0210	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/93-07/26/93	0	1	
ALPO0211	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-04/11/95	1	4	
ALPO0212	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/05/93-08/05/93	0	1	
ALPO0213	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/93-07/26/93	0	1	
ALPO0214	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-08/16/93	0	1	
ALPO0215	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/15/93-06/15/93	0	1	
ALPO0216	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/15/93-06/15/93	0	1	
ALPO0217	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/15/93-06/15/93	0	1	
ALPO0218	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/04/93-09/29/94	1	3	
ALPO0219	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/04/93-05/23/94	0	2	
ALPO0220	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/04/93-05/23/94	0	2	
ALPO0221	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/17/93-06/17/93	0	1	
ALPO0222	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/12/93-05/23/95	1	4	
ALPO0223	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/12/93-05/23/95	1	4	
ALPO0224	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/12/93-05/23/94	0	3	
ALPO0225	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/22/86-07/07/87	0	3	
ALPO0226	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/12/93-05/24/94	0	2	
ALPO0227	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/12/93-12/15/94	1	3	
ALPO0228	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/01/94-07/01/94	0	1	
ALPO0229	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/07/86-07/07/87	1	12	
ALPO0230	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/12/93-05/24/94	0	2	
ALPO0232	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/17/93-06/17/93	0	1	
ALPO0233	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/25/86-06/02/87	0	5	
ALPO0234	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/94-08/10/94	0	1	
ALPO0235	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/07/86-07/07/87	1	12	
ALPO0236	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-08/16/93	0	1	
ALPO0237	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-08/16/93	0	1	
ALPO0238	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/07/86-07/07/87	1	12	
ALPO0240	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-05/17/95	1	4	
ALPO0241	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-08/16/93	0	1	
ALPO0242	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-09/24/94	1	3	
ALPO0243	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-08/16/93	0	1	
ALPO0244	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/20/94-09/23/94	0	2	
ALPO0245	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/20/94-06/20/94	0	1	
ALPO0246	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/94-10/05/94	0	3	
ALPO0247	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/20/94-06/20/94	0	1	
ALPO0248	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/21/93-06/09/94	0	2	
ALPO0249	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-08/16/93	0	1	
ALPO0250	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/21/93-12/21/93	0	1	
ALPO0251	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/21/93-06/09/94	0	2	
ALPO0252	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/21/93-12/21/93	0	1	
ALPO0253	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-08/16/93	0	1	
ALPO0254	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/07/86-07/07/87	1	12	
ALPO0255	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-08/16/93	0	1	
ALPO0256	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/94-05/18/95	0	4	
ALPO0257	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/94-05/18/95	0	4	
ALPO0258	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/94-05/18/95	0	4	
ALPO0260	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/93-07/26/93	0	1	
ALPO0261	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/94-05/18/95	0	3	
ALPO0263	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-08/16/93	0	1	
ALPO0264	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/94-10/11/94	0	3	
ALPO0265	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-11/22/94	1	3	
ALPO0268	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/94-11/22/94	0	2	
ALPO0271	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/94-11/22/94	0	2	
ALPO0272	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/25/94-08/25/94	0	1	
ALPO0273	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/94-08/02/94	0	1	
ALPO0274	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/25/94-08/25/94	0	1	
ALPO0276	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/94-11/20/94	0	2	
ALPO0277	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/94-05/24/95	0	3	
ALPO0279	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/94-12/29/94	0	2	
ALPO0280	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/29/92-07/29/92	0	1	
ALPO0284	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/94-08/10/94	0	1	
ALPO0285	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/29/92-07/06/93	0	4	
ALPO0286	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/27/94-03/19/95	0	3	
ALPO0287	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/29/92-07/06/93	0	4	
ALPO0288	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-03/19/95	0	3	
ALPO0289	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-03/19/95	0	2	
ALPO0290	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/29/92-07/29/92	0	1	
ALPO0291	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/09/92-11/09/92	0	1	
ALPO0292	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-03/19/95	0	3	
ALPO0293	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/27/94-03/19/95	0	3	
ALPO0294	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM 25C)	07/28/94-03/19/95	0	3	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0295	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-03/19/95	0	3	
ALPO0297	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-03/19/95	0	3	
ALPO0298	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-09/20/94	0	2	
ALPO0299	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-09/20/94	0	2	
ALPO0300	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-03/19/95	0	3	
ALPO0301	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-05/24/95	0	3	
ALPO0302	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/92-08/03/92	0	1	
ALPO0303	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/09/92-11/09/92	0	1	
ALPO0304	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-05/24/95	0	3	
ALPO0305	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/09/92-11/09/92	0	1	
ALPO0306	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/92-08/03/92	0	1	
ALPO0307	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/94-08/10/94	0	1	
ALPO0308	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/19/94-12/06/94	0	2	
ALPO0310	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/19/94-12/06/94	0	2	
ALPO0313	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/92-08/03/92	0	1	
ALPO0314	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/29/92-07/06/93	0	3	
ALPO0315	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/23/92-11/23/92	0	1	
ALPO0316	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/20/94-07/20/94	0	1	
ALPO0319	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/20/94-12/06/94	0	2	
ALPO0324	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/29/92-07/06/93	0	3	
ALPO0325	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/20/94-12/01/94	0	2	
ALPO0337	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/22/94-08/22/94	0	1	
ALPO0338	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/11/94-11/16/94	0	2	
ALPO0346	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/25/80-04/28/81	0	5	
ALPO0347	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/94-05/28/94	0	1	
ALPO0351	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/01/80-10/01/80	0	1	
ALPO0352	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/30/80-04/28/81	0	4	
ALPO0355	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/11/94-01/11/95	0	2	
ALPO0358	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/25/80-04/28/81	0	5	
ALPO0360	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/25/94-08/25/94	0	1	
ALPO0361	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/23/93-01/25/96	2	3	
ALPO0362	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/92-01/25/96	3	6	
ALPO0363	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/23/93-01/25/96	2	3	
ALPO0364	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/13/93-11/14/94	1	3	
ALPO0365	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/23/93-04/20/95	1	3	
ALPO0366	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/30/92-04/20/95	2	5	
ALPO0367	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/13/93-04/20/95	1	4	
ALPO0368	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/15/94-04/12/95	0	2	
ALPO0369	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/05/94-01/24/96	1	4	
ALPO0370	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/05/94-01/24/96	1	3	
ALPO0371	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/15/94-11/15/94	0	1	
ALPO0372	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/05/94-01/24/96	1	5	
ALPO0373	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/05/94-11/16/94	0	2	
ALPO0374	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/15/93-12/21/94	1	3	
ALPO0375	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/05/94-01/24/96	1	5	
ALPO0376	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/05/94-01/24/96	1	5	
ALPO0377	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/15/93-01/25/96	2	5	
ALPO0378	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/92-12/20/94	2	4	
ALPO0379	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/30/92-12/20/94	2	4	
ALPO0380	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/15/93-07/15/93	0	1	
ALPO0381	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/15/93-07/15/93	0	1	
ALPO0003	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/21/93-07/21/93	0	1	
ALPO0005	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/20/66-09/23/69	3	7	
ALPO0006	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/17/72-06/17/72	0	1	
ALPO0007	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/79-08/13/81	2	6	
ALPO0009	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/97-03/07/97	0	1	
ALPO0011	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/79-08/13/81	2	5	
ALPO0012	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/79-08/13/81	2	6	
ALPO0013	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/97-06/25/97	0	2	
ALPO0014	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/79-08/13/81	2	6	
ALPO0019	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/97-06/25/97	0	2	
ALPO0020	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/97-06/25/97	0	2	
ALPO0023	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/97-06/25/97	0	2	
ALPO0024	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/97-03/07/97	0	1	
ALPO0028	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/97-06/25/97	0	2	
ALPO0031	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/94-06/13/94	0	1	
ALPO0032	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/94-06/13/94	0	1	
ALPO0033	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/94-06/13/94	0	1	
ALPO0035	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/01/94-08/01/94	0	1	
ALPO0037	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/94-06/13/94	0	1	
ALPO0038	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/94-06/14/94	0	1	
ALPO0039	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM 25C)	06/02/92-06/02/93	1	5	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0040	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/03/93-04/03/96	2	4	
ALPO0041	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/92-06/02/93	1	6	
ALPO0042	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/03/93-04/03/96	2	4	
ALPO0043	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/94-06/13/94	0	1	
ALPO0044	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/03/93-06/13/94	0	2	
ALPO0045	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/94-04/03/96	1	2	
ALPO0046	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/96-04/03/96	0	1	
ALPO0047	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/09/92-06/02/93	0	5	
ALPO0048	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/94-06/13/94	0	1	
ALPO0049	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/94-06/13/94	0	1	
ALPO0051	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/06/92-10/15/92	0	2	
ALPO0052	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/94-06/14/94	0	1	
ALPO0053	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/94-06/14/94	0	1	
ALPO0055	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/10/92-06/10/92	0	1	
ALPO0058	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/94-04/04/96	1	2	
ALPO0059	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/92-04/04/96	3	5	
ALPO0062	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/94-04/04/96	1	3	
ALPO0066	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/92-06/03/93	1	6	
ALPO0067	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/06/93-03/06/93	0	1	
ALPO0068	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/92-06/03/93	1	6	
ALPO0069	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/06/93-03/06/93	0	1	
ALPO0070	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/92-11/06/93	1	3	
ALPO0071	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/92-06/03/93	1	5	
ALPO0072	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/92-06/03/93	1	5	
ALPO0073	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-06/07/93	0	1	
ALPO0074	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-06/07/93	0	1	
ALPO0075	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/09/92-06/03/93	0	4	
ALPO0077	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-06/07/93	0	1	
ALPO0078	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/09/92-06/09/92	0	1	
ALPO0080	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/09/92-06/09/92	0	1	
ALPO0081	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/94-04/04/95	0	4	
ALPO0082	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/93-06/08/93	0	1	
ALPO0083	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/22/94-09/22/94	0	1	
ALPO0084	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/93-06/08/93	0	1	
ALPO0085	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-06/07/93	0	1	
ALPO0086	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-06/14/93	0	1	
ALPO0087	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-06/07/93	0	1	
ALPO0088	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-06/07/93	0	1	
ALPO0089	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-06/14/93	0	1	
ALPO0090	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-06/14/93	0	1	
ALPO0091	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/93-02/01/95	1	4	
ALPO0092	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-06/14/93	0	1	
ALPO0093	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/93-02/01/95	1	4	
ALPO0094	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/93-06/08/93	0	1	
ALPO0095	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/92-07/27/92	0	1	
ALPO0096	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/92-07/27/92	0	1	
ALPO0097	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-06/01/94	0	2	
ALPO0098	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/09/93-02/01/95	1	2	
ALPO0099	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/93-06/30/93	0	1	
ALPO0100	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/93-12/08/94	1	3	
ALPO0101	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/13/93-04/06/95	1	4	
ALPO0102	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/93-06/30/93	0	1	
ALPO0103	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-11/29/94	1	3	
ALPO0104	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/01/94-03/14/95	0	3	
ALPO0105	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/93-06/30/93	0	1	
ALPO0106	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/01/94-10/13/94	0	2	
ALPO0107	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/01/94-10/13/94	0	2	
ALPO0108	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/93-06/30/93	0	1	
ALPO0109	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/93-06/30/93	0	1	
ALPO0110	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/01/93-03/14/95	1	4	
ALPO0111	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/01/94-12/08/94	0	2	
ALPO0112	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/93-06/30/93	0	1	
ALPO0113	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/31/94-05/31/94	0	1	
ALPO0114	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/93-06/30/93	0	1	
ALPO0115	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/03/93-06/03/93	0	1	
ALPO0116	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/01/94-06/01/94	0	1	
ALPO0117	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/06/93-07/06/93	0	1	
ALPO0118	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/01/94-03/14/95	0	3	
ALPO0119	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/06/93-07/06/93	0	1	
ALPO0120	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/03/93-11/29/94	1	2	
ALPO0121	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/03/93-06/03/93	0	1	
ALPO0122	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM 25C)	07/06/93-06/01/94	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0123	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/03/93-06/03/93	0	1	
ALPO0124	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-06/06/94	0	2	
ALPO0125	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/93-04/06/95	1	4	
ALPO0126	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/93-06/01/94	0	2	
ALPO0127	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/93-06/29/93	0	1	
ALPO0128	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/93-06/01/94	0	2	
ALPO0129	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/93-03/07/95	1	4	
ALPO0130	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/14/86-05/04/86	0	2	
ALPO0131	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/09/93-06/09/93	0	1	
ALPO0132	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/93-03/07/95	1	4	
ALPO0133	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/93-03/07/95	1	4	
ALPO0134	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/94-04/04/95	0	3	
ALPO0135	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-10/13/94	1	4	
ALPO0136	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/06/94-06/06/94	0	1	
ALPO0137	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-10/13/94	1	4	
ALPO0138	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-06/07/93	0	1	
ALPO0139	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/93-06/29/93	0	1	
ALPO0140	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/93-06/29/93	0	1	
ALPO0141	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/93-06/29/93	0	1	
ALPO0142	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/05/92-04/06/95	2	8	
ALPO0143	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/30/92-11/30/92	0	1	
ALPO0144	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/30/92-11/30/92	0	1	
ALPO0145	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/16/94-04/06/95	0	2	
ALPO0146	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-10/13/94	1	4	
ALPO0147	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-06/14/93	0	1	
ALPO0148	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-06/14/93	0	1	
ALPO0149	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-04/06/95	1	3	
ALPO0150	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-06/14/93	0	1	
ALPO0151	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/94-12/15/94	0	2	
ALPO0152	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/28/92-05/31/94	1	6	
ALPO0153	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/93-05/31/94	1	4	
ALPO0154	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/93-06/29/93	0	1	
ALPO0155	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/22/92-11/06/93	0	4	
ALPO0156	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/93-06/29/93	0	1	
ALPO0157	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-03/16/95	1	4	
ALPO0158	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-06/14/93	0	1	
ALPO0159	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-06/14/93	0	1	
ALPO0160	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/18/93-03/07/95	1	4	
ALPO0161	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/18/93-03/13/95	1	4	
ALPO0162	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/18/93-03/13/95	1	4	
ALPO0164	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/01/94-08/01/94	0	1	
ALPO0166	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/01/94-08/01/94	0	1	
ALPO0168	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/93-06/29/93	0	1	
ALPO0169	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/93-07/27/93	0	1	
ALPO0170	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/93-05/25/94	0	2	
ALPO0171	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/93-05/23/95	1	4	
ALPO0172	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/93-05/25/94	0	2	
ALPO0173	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/93-10/19/94	1	3	
ALPO0174	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/93-12/15/94	1	3	
ALPO0175	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/01/94-08/01/94	0	1	
ALPO0176	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/93-05/16/95	1	4	
ALPO0179	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/12/93-07/12/93	0	1	
ALPO0180	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/05/93-08/05/93	0	1	
ALPO0181	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/93-06/06/94	0	2	
ALPO0182	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/93-06/06/94	0	2	
ALPO0183	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/93-06/05/94	0	2	
ALPO0184	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/93-08/12/93	0	1	
ALPO0185	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/93-08/12/93	0	1	
ALPO0186	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/94-04/11/95	0	2	
ALPO0187	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/93-08/12/93	0	1	
ALPO0188	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/93-08/12/93	0	1	
ALPO0189	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/93-06/05/94	0	2	
ALPO0190	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/24/93-06/13/95	1	3	
ALPO0191	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/24/93-06/24/93	0	1	
ALPO0192	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/93-03/15/95	1	3	
ALPO0193	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/93-06/08/94	0	2	
ALPO0194	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/93-06/29/93	0	1	
ALPO0195	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-06/14/93	0	1	
ALPO0196	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/93-10/03/94	1	3	
ALPO0197	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/94-05/25/94	0	1	
ALPO0198	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/04/93-09/29/94	1	3	
ALPO0199	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM 25C)	06/06/79-08/14/81	2	6	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0200	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/94-05/25/94	0	1	
ALPO0201	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/04/93-09/29/94	1	3	
ALPO0202	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/21/93-12/21/93	0	1	
ALPO0203	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/14/86-05/04/86	0	2	
ALPO0204	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/94-05/25/94	0	1	
ALPO0205	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/24/93-06/24/93	0	1	
ALPO0206	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/93-06/15/93	0	1	
ALPO0207	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/05/93-08/05/93	0	1	
ALPO0208	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/93-06/15/93	0	1	
ALPO0209	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-04/11/95	1	4	
ALPO0210	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/93-07/26/93	0	1	
ALPO0211	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-04/11/95	1	4	
ALPO0212	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/05/93-08/05/93	0	1	
ALPO0213	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/93-07/26/93	0	1	
ALPO0214	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-08/16/93	0	1	
ALPO0215	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/93-06/15/93	0	1	
ALPO0216	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/93-06/15/93	0	1	
ALPO0217	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/93-06/15/93	0	1	
ALPO0218	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/04/93-09/29/94	1	3	
ALPO0219	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/04/93-05/23/94	0	2	
ALPO0220	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/04/93-05/23/94	0	2	
ALPO0221	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/17/93-06/17/93	0	1	
ALPO0222	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/12/93-05/23/95	1	4	
ALPO0223	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/12/93-05/23/95	1	4	
ALPO0224	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/12/93-05/23/94	0	3	
ALPO0226	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/12/93-05/24/94	0	2	
ALPO0227	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/12/93-12/15/94	1	3	
ALPO0228	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/01/94-07/01/94	0	1	
ALPO0230	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/12/93-05/24/94	0	2	
ALPO0232	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/17/93-06/17/93	0	1	
ALPO0234	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/10/94-08/10/94	0	1	
ALPO0236	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-08/16/93	0	1	
ALPO0237	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-08/16/93	0	1	
ALPO0239	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/93-08/30/93	0	1	
ALPO0240	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-05/17/95	1	4	
ALPO0241	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-08/16/93	0	1	
ALPO0242	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-09/24/94	1	3	
ALPO0243	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-08/16/93	0	1	
ALPO0244	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/20/94-09/23/94	0	2	
ALPO0245	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/20/94-06/20/94	0	1	
ALPO0246	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/94-10/05/94	0	3	
ALPO0247	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/20/94-06/20/94	0	1	
ALPO0248	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/21/93-06/09/94	0	2	
ALPO0249	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-08/16/93	0	1	
ALPO0250	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/21/93-12/21/93	0	1	
ALPO0251	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/21/93-06/09/94	0	2	
ALPO0252	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/21/93-12/21/93	0	1	
ALPO0253	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-08/16/93	0	1	
ALPO0255	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-08/16/93	0	1	
ALPO0256	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/94-05/18/95	0	4	
ALPO0257	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/94-05/18/95	0	4	
ALPO0258	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/94-05/18/95	0	4	
ALPO0259	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/26/72-03/14/74	1	8	
ALPO0260	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/93-07/26/93	0	1	
ALPO0261	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/94-05/18/95	0	3	
ALPO0262	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/06/79-08/11/81	2	6	
ALPO0263	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-08/16/93	0	1	
ALPO0264	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/94-10/11/94	0	3	
ALPO0265	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-11/22/94	1	3	
ALPO0268	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/94-11/22/94	0	2	
ALPO0271	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/94-11/22/94	0	2	
ALPO0272	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/94-08/25/94	0	1	
ALPO0273	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/94-08/02/94	0	1	
ALPO0274	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/94-08/25/94	0	1	
ALPO0275	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/14/86-05/04/86	0	2	
ALPO0276	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/03/94-11/20/94	0	2	
ALPO0277	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/94-05/24/95	0	3	
ALPO0278	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/12/93-07/12/93	0	1	
ALPO0279	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/94-12/29/94	0	2	
ALPO0280	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/29/92-07/29/92	0	1	
ALPO0281	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/14/86-05/04/86	0	2	
ALPO0282	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM 25C)	06/06/79-05/24/94	14	8	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0283	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/13/93-07/13/93	0	1	
ALPO0284	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/10/94-08/10/94	0	1	
ALPO0285	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/29/92-10/16/93	1	5	
ALPO0286	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/94-03/19/95	0	3	
ALPO0287	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/29/92-10/19/93	1	5	
ALPO0288	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/94-03/19/95	0	3	
ALPO0289	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/94-03/19/95	0	2	
ALPO0290	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/29/92-07/29/92	0	1	
ALPO0291	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/09/92-11/09/92	0	1	
ALPO0292	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/94-03/19/95	0	3	
ALPO0293	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/94-03/19/95	0	3	
ALPO0294	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/94-03/19/95	0	3	
ALPO0295	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/94-03/19/95	0	3	
ALPO0297	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/94-03/19/95	0	3	
ALPO0298	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/94-09/20/94	0	2	
ALPO0299	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/94-09/20/94	0	2	
ALPO0300	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/94-03/19/95	0	3	
ALPO0301	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/94-05/24/95	0	3	
ALPO0302	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/03/92-08/03/92	0	1	
ALPO0303	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/09/92-11/09/92	0	1	
ALPO0304	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/94-05/24/95	0	3	
ALPO0305	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/09/92-11/09/92	0	1	
ALPO0306	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/03/92-08/03/92	0	1	
ALPO0307	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/10/94-08/10/94	0	1	
ALPO0308	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/94-12/06/94	0	2	
ALPO0310	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/94-12/06/94	0	2	
ALPO0311	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/15/93-04/19/94	0	2	
ALPO0312	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/15/93-07/15/93	0	1	
ALPO0313	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/03/92-10/16/93	1	2	
ALPO0314	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/29/92-10/16/93	1	4	
ALPO0315	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/23/92-11/23/92	0	1	
ALPO0316	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/94-07/20/94	0	1	
ALPO0317	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/13/93-07/13/93	0	1	
ALPO0318	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/15/77-07/15/77	0	1	
ALPO0319	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/94-12/06/94	0	2	
ALPO0320	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/94-11/21/94	0	2	
ALPO0321	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/07/94-07/07/94	0	1	
ALPO0324	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/29/92-10/16/93	1	4	
ALPO0325	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/94-12/01/94	0	2	
ALPO0327	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/94-06/14/94	0	1	
ALPO0328	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/93-05/24/94	0	2	
ALPO0329	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/93-05/24/94	0	2	
ALPO0330	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/29/65-09/29/65	0	1	
ALPO0331	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/14/93-07/14/93	0	1	
ALPO0332	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/94-06/14/94	0	1	
ALPO0333	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/94-06/14/94	0	1	
ALPO0334	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/70-12/01/87	17	148	T,A
ALPO0335	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/21/94-11/21/94	0	1	
ALPO0337	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/22/94-08/22/94	0	1	
ALPO0338	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/11/94-11/16/94	0	2	
ALPO0339	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/94-08/15/94	0	2	
ALPO0340	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/94-08/15/94	0	1	
ALPO0341	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/94-08/15/94	0	1	
ALPO0342	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/94-08/15/94	0	1	
ALPO0343	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/93-05/23/94	0	2	
ALPO0344	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/94-08/15/94	0	1	
ALPO0345	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/94-11/21/94	0	2	
ALPO0347	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/28/94-05/28/94	0	1	
ALPO0348	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	22	151	T,A
ALPO0349	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/94-08/15/94	0	1	
ALPO0350	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/20/53-06/15/76	23	10	
ALPO0351	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/12/59-05/15/97	37	43	S
ALPO0354	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/94-08/15/94	0	1	
ALPO0355	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/11/94-06/14/95	0	3	
ALPO0356	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/05/79-08/14/81	2	6	
ALPO0357	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/21/94-11/21/94	0	1	
ALPO0359	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/06/79-05/23/94	14	8	
ALPO0360	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/94-08/25/94	0	1	
ALPO0361	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/23/93-01/25/96	2	3	
ALPO0362	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/92-01/25/96	3	7	
ALPO0363	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/23/93-05/05/95	1	2	
ALPO0364	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM 25C)	07/13/93-11/14/94	1	3	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0365	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/23/93-09/30/95	1	4	
ALPO0366	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/30/92-04/20/95	2	5	
ALPO0367	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/13/93-09/30/95	2	6	
ALPO0368	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/15/94-04/12/95	0	2	
ALPO0369	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/05/94-01/24/96	1	5	
ALPO0370	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/05/94-01/24/96	1	4	
ALPO0371	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/15/94-11/15/94	0	1	
ALPO0372	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/05/94-01/24/96	1	6	
ALPO0373	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/05/94-08/29/95	1	3	
ALPO0374	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/15/93-10/01/95	2	4	
ALPO0375	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/05/94-01/24/96	1	6	
ALPO0376	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/05/94-01/24/96	1	5	
ALPO0377	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/15/93-01/25/96	2	6	
ALPO0378	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/92-12/20/94	2	4	
ALPO0379	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/30/92-12/20/94	2	4	
ALPO0380	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/15/93-07/15/93	0	1	
ALPO0381	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/15/93-07/15/93	0	1	
ALPO0038	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/14/94-06/14/94	0	1	
ALPO0039	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/02/92-06/02/93	1	5	
ALPO0040	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/03/93-11/01/94	1	3	
ALPO0041	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/02/92-06/02/93	1	5	
ALPO0042	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/03/93-06/14/94	0	2	
ALPO0051	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/06/92-10/15/92	0	2	
ALPO0066	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/02/92-06/03/93	1	3	
ALPO0068	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/02/92-06/03/93	1	4	
ALPO0070	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/02/92-06/03/93	1	2	
ALPO0071	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/02/92-06/03/93	1	4	
ALPO0072	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/02/92-06/03/93	1	4	
ALPO0081	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/08/94-04/04/95	0	4	
ALPO0083	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/22/94-09/22/94	0	1	
ALPO0091	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/20/93-02/01/95	1	3	
ALPO0093	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/20/93-02/01/95	1	3	
ALPO0100	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/30/93-06/30/93	0	1	
ALPO0101	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/13/93-08/01/94	1	2	
ALPO0106	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/01/94-08/01/94	0	1	
ALPO0107	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/01/94-08/01/94	0	1	
ALPO0120	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/03/93-06/03/93	0	1	
ALPO0129	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/29/93-03/07/95	1	4	
ALPO0130	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/14/86-05/04/86	0	2	
ALPO0132	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/30/93-12/08/94	1	3	
ALPO0133	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/29/93-03/07/95	1	4	
ALPO0134	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/27/94-04/04/95	0	3	
ALPO0135	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/07/93-10/13/94	1	4	
ALPO0137	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/07/93-06/06/94	0	3	
ALPO0140	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/29/93-06/29/93	0	1	
ALPO0141	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/29/93-06/29/93	0	1	
ALPO0142	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/05/92-04/06/95	2	6	
ALPO0146	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/07/93-10/13/94	1	3	
ALPO0152	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/28/92-05/31/94	1	5	
ALPO0153	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/28/93-05/31/94	1	4	
ALPO0160	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/18/93-03/07/95	1	4	
ALPO0161	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/15/94-03/13/95	0	2	
ALPO0162	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/08/94-03/13/95	0	3	
ALPO0163	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/86-07/07/87	0	6	
ALPO0173	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/28/93-10/19/94	1	3	
ALPO0174	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/28/93-12/15/94	1	3	
ALPO0176	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/28/93-05/16/95	1	4	
ALPO0177	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/86-07/07/87	0	6	
ALPO0178	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/21/86-07/07/87	0	4	
ALPO0186	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/07/94-04/11/95	0	2	
ALPO0193	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/22/93-06/22/93	0	1	
ALPO0196	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/28/93-10/03/94	1	2	
ALPO0203	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/14/86-05/04/86	0	2	
ALPO0209	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/07/94-04/11/95	0	3	
ALPO0211	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/07/94-04/11/95	0	3	
ALPO0218	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/04/93-09/29/94	1	3	
ALPO0225	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/02/87-07/07/87	0	2	
ALPO0229	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/86-07/07/87	0	6	
ALPO0233	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/05/87-06/02/87	0	2	
ALPO0235	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/86-07/07/87	0	6	
ALPO0238	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/86-05/05/87	0	4	
ALPO0240	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/24/94-05/17/95	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0241	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/16/93-08/16/93	0	1	
ALPO0242	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/16/93-08/16/93	0	1	
ALPO0244	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/23/94-09/23/94	0	1	
ALPO0246	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/26/94-10/05/94	0	2	
ALPO0248	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/21/93-12/21/93	0	1	
ALPO0250	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/21/93-12/21/93	0	1	
ALPO0251	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/21/93-12/21/93	0	1	
ALPO0254	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/86-07/07/87	0	6	
ALPO0256	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/26/94-05/18/95	0	4	
ALPO0257	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/27/94-09/27/94	0	1	
ALPO0261	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/27/94-05/18/95	0	2	
ALPO0264	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/16/94-10/11/94	0	2	
ALPO0265	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/22/94-11/22/94	0	1	
ALPO0274	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/25/94-08/25/94	0	1	
ALPO0275	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/14/86-05/04/86	0	2	
ALPO0276	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/20/94-11/20/94	0	1	
ALPO0279	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/29/94-12/29/94	0	1	
ALPO0280	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/29/92-07/29/92	0	1	
ALPO0281	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/14/86-05/04/86	0	2	
ALPO0285	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/29/92-11/09/92	0	2	
ALPO0286	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/27/94-09/20/94	0	2	
ALPO0287	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/29/92-11/09/92	0	2	
ALPO0288	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/08/94-11/08/94	0	1	
ALPO0292	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/28/94-11/08/94	0	2	
ALPO0293	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/27/94-09/20/94	0	2	
ALPO0294	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/08/94-11/08/94	0	1	
ALPO0295	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/28/94-07/28/94	0	1	
ALPO0297	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/08/94-11/08/94	0	1	
ALPO0298	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/28/94-09/20/94	0	2	
ALPO0299	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/28/94-09/20/94	0	2	
ALPO0300	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/28/94-11/08/94	0	2	
ALPO0301	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/28/94-05/24/95	0	3	
ALPO0302	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/03/92-08/03/92	0	1	
ALPO0306	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/03/92-08/03/92	0	1	
ALPO0307	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/10/94-08/10/94	0	1	
ALPO0308	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/19/94-07/19/94	0	1	
ALPO0310	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/19/94-07/19/94	0	1	
ALPO0313	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/03/92-08/03/92	0	1	
ALPO0319	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/20/94-12/06/94	0	2	
ALPO0325	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/01/94-12/01/94	0	1	
ALPO0337	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/22/94-08/22/94	0	1	
ALPO0338	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/16/94-11/16/94	0	1	
ALPO0346	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/25/80-04/28/81	0	5	
ALPO0352	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/30/80-04/28/81	0	4	
ALPO0358	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/25/80-04/28/81	0	5	
ALPO0369	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/05/94-04/12/95	1	2	
ALPO0370	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/05/94-08/29/95	1	3	
ALPO0372	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/05/94-08/29/95	1	3	
ALPO0373	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/05/94-08/29/95	1	2	
ALPO0375	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/05/94-08/29/95	1	4	
ALPO0376	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/05/94-02/05/94	0	1	
ALPO0378	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/28/92-07/28/92	0	1	
ALPO0259	No	00300	OXYGEN, DISSOLVED MG/L	09/26/72-03/14/74	1	7	
ALPO0282	No	00300	OXYGEN, DISSOLVED MG/L	07/28/93-07/28/93	0	1	
ALPO0328	No	00300	OXYGEN, DISSOLVED MG/L	07/28/93-07/28/93	0	1	
ALPO0329	No	00300	OXYGEN, DISSOLVED MG/L	07/28/93-07/28/93	0	1	
ALPO0334	No	00300	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	25	167	T,A,S
ALPO0343	No	00300	OXYGEN, DISSOLVED MG/L	07/27/93-07/27/93	0	1	
ALPO0348	No	00300	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	25	167	T,A,S
ALPO0350	No	00300	OXYGEN, DISSOLVED MG/L	11/10/71-06/15/76	4	6	
ALPO0351	No	00300	OXYGEN, DISSOLVED MG/L	10/21/75-05/15/97	21	20	
ALPO0359	No	00300	OXYGEN, DISSOLVED MG/L	07/28/93-07/28/93	0	1	
ALPO0163	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/22/86-07/07/87	0	6	
ALPO0177	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/22/86-07/07/87	0	6	
ALPO0178	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	05/05/87-07/07/87	0	3	
ALPO0225	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	06/02/87-07/07/87	0	2	
ALPO0229	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/22/86-07/07/87	0	6	
ALPO0233	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	05/05/87-06/02/87	0	2	
ALPO0235	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/22/86-07/07/87	0	6	
ALPO0238	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/22/86-05/05/87	0	4	
ALPO0254	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/22/86-07/07/87	0	6	
ALPO0239	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/30/93-08/30/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0334	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/25/62-12/12/77	15	39	
ALPO0348	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/28/62-12/12/77	15	38	
ALPO0003	No	00400	PH (STANDARD UNITS)	07/21/93-07/21/93	0	1	
ALPO0005	No	00400	PH (STANDARD UNITS)	04/20/66-09/23/69	3	7	
ALPO0006	No	00400	PH (STANDARD UNITS)	06/17/72-06/17/72	0	1	
ALPO0007	No	00400	PH (STANDARD UNITS)	06/08/79-08/13/81	2	6	
ALPO0011	No	00400	PH (STANDARD UNITS)	06/08/79-08/13/81	2	5	
ALPO0012	No	00400	PH (STANDARD UNITS)	06/08/79-08/13/81	2	6	
ALPO0014	No	00400	PH (STANDARD UNITS)	06/08/79-08/13/81	2	6	
ALPO0026	No	00400	PH (STANDARD UNITS)	06/03/70-06/03/70	0	1	
ALPO0027	No	00400	PH (STANDARD UNITS)	06/03/70-06/03/70	0	1	
ALPO0029	No	00400	PH (STANDARD UNITS)	06/03/70-06/03/70	0	1	
ALPO0030	No	00400	PH (STANDARD UNITS)	06/03/70-06/03/70	0	1	
ALPO0199	No	00400	PH (STANDARD UNITS)	06/06/79-08/14/81	2	6	
ALPO0259	No	00400	PH (STANDARD UNITS)	09/26/72-03/14/74	1	7	
ALPO0262	No	00400	PH (STANDARD UNITS)	06/06/79-08/11/81	2	6	
ALPO0278	No	00400	PH (STANDARD UNITS)	07/12/93-07/12/93	0	1	
ALPO0282	No	00400	PH (STANDARD UNITS)	06/06/79-05/24/94	14	8	
ALPO0283	No	00400	PH (STANDARD UNITS)	07/13/93-07/13/93	0	1	
ALPO0311	No	00400	PH (STANDARD UNITS)	07/15/93-04/19/94	0	2	
ALPO0312	No	00400	PH (STANDARD UNITS)	07/15/93-07/15/93	0	1	
ALPO0317	No	00400	PH (STANDARD UNITS)	07/13/93-07/13/93	0	1	
ALPO0318	No	00400	PH (STANDARD UNITS)	07/15/77-07/15/77	0	1	
ALPO0320	No	00400	PH (STANDARD UNITS)	06/14/94-11/21/94	0	2	
ALPO0321	No	00400	PH (STANDARD UNITS)	07/07/94-07/07/94	0	1	
ALPO0327	No	00400	PH (STANDARD UNITS)	06/14/94-06/14/94	0	1	
ALPO0328	No	00400	PH (STANDARD UNITS)	07/28/93-05/24/94	0	2	
ALPO0329	No	00400	PH (STANDARD UNITS)	07/28/93-05/24/94	0	2	
ALPO0330	No	00400	PH (STANDARD UNITS)	09/29/65-09/29/65	0	1	
ALPO0331	No	00400	PH (STANDARD UNITS)	07/14/93-07/14/93	0	1	
ALPO0332	No	00400	PH (STANDARD UNITS)	06/14/94-06/14/94	0	1	
ALPO0333	No	00400	PH (STANDARD UNITS)	06/14/94-06/14/94	0	1	
ALPO0334	No	00400	PH (STANDARD UNITS)	06/28/62-12/01/87	25	148	T,S
ALPO0335	No	00400	PH (STANDARD UNITS)	11/21/94-11/21/94	0	1	
ALPO0339	No	00400	PH (STANDARD UNITS)	08/15/94-08/15/94	0	2	
ALPO0340	No	00400	PH (STANDARD UNITS)	08/15/94-08/15/94	0	1	
ALPO0341	No	00400	PH (STANDARD UNITS)	08/15/94-08/15/94	0	1	
ALPO0342	No	00400	PH (STANDARD UNITS)	08/15/94-08/15/94	0	1	
ALPO0343	No	00400	PH (STANDARD UNITS)	07/27/93-05/23/94	0	2	
ALPO0344	No	00400	PH (STANDARD UNITS)	08/15/94-08/15/94	0	1	
ALPO0345	No	00400	PH (STANDARD UNITS)	08/15/94-11/21/94	0	2	
ALPO0346	No	00400	PH (STANDARD UNITS)	11/25/80-04/28/81	0	5	
ALPO0348	No	00400	PH (STANDARD UNITS)	06/28/62-12/01/87	25	153	T,S
ALPO0349	No	00400	PH (STANDARD UNITS)	08/15/94-08/15/94	0	1	
ALPO0350	No	00400	PH (STANDARD UNITS)	04/20/53-06/15/76	23	10	
ALPO0351	No	00400	PH (STANDARD UNITS)	10/12/59-05/15/97	37	43	S
ALPO0352	No	00400	PH (STANDARD UNITS)	12/30/80-04/28/81	0	4	
ALPO0354	No	00400	PH (STANDARD UNITS)	08/15/94-08/15/94	0	1	
ALPO0356	No	00400	PH (STANDARD UNITS)	06/05/79-08/14/81	2	6	
ALPO0357	No	00400	PH (STANDARD UNITS)	11/21/94-11/21/94	0	1	
ALPO0358	No	00400	PH (STANDARD UNITS)	11/25/80-04/28/81	0	5	
ALPO0359	No	00400	PH (STANDARD UNITS)	06/06/79-05/23/94	14	8	
ALPO0008	Yes	00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	06/25/97-06/25/97	0	1	
ALPO0009	Yes	00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	03/07/97-03/07/97	0	1	
ALPO0013	Yes	00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	03/07/97-06/25/97	0	2	
ALPO0019	Yes	00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	05/15/96-06/25/97	1	4	
ALPO0020	Yes	00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	05/15/96-06/25/97	1	4	
ALPO0023	Yes	00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	03/07/97-06/25/97	0	2	
ALPO0024	Yes	00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	03/07/97-03/07/97	0	1	
ALPO0028	Yes	00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	05/15/96-06/25/97	1	4	
ALPO0004	No	00403	PH, LAB, STANDARD UNITS SU	04/23/87-08/15/96	9	21	
ALPO0007	No	00403	PH, LAB, STANDARD UNITS SU	04/03/81-08/13/81	0	2	
ALPO0008	Yes	00403	PH, LAB, STANDARD UNITS SU	06/25/97-06/25/97	0	1	
ALPO0009	Yes	00403	PH, LAB, STANDARD UNITS SU	05/15/96-03/07/97	0	3	
ALPO0010	No	00403	PH, LAB, STANDARD UNITS SU	04/09/87-11/06/96	9	22	
ALPO0011	No	00403	PH, LAB, STANDARD UNITS SU	04/03/81-08/13/81	0	2	
ALPO0012	No	00403	PH, LAB, STANDARD UNITS SU	04/03/81-08/13/81	0	2	
ALPO0013	Yes	00403	PH, LAB, STANDARD UNITS SU	05/15/96-06/25/97	1	4	
ALPO0014	No	00403	PH, LAB, STANDARD UNITS SU	04/03/81-08/13/81	0	2	
ALPO0015	Yes	00403	PH, LAB, STANDARD UNITS SU	05/15/96-05/15/96	0	1	
ALPO0016	No	00403	PH, LAB, STANDARD UNITS SU	04/22/87-09/06/96	9	22	
ALPO0018	No	00403	PH, LAB, STANDARD UNITS SU	04/08/87-10/31/96	9	22	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0019	Yes	00403	PH, LAB, STANDARD UNITS SU	05/15/96-06/25/97	1	5	
ALPO0020	Yes	00403	PH, LAB, STANDARD UNITS SU	05/15/96-06/25/97	1	5	
ALPO0021	No	00403	PH, LAB, STANDARD UNITS SU	04/08/87-09/06/96	9	22	
ALPO0022	No	00403	PH, LAB, STANDARD UNITS SU	04/08/87-10/31/96	9	21	
ALPO0023	Yes	00403	PH, LAB, STANDARD UNITS SU	05/15/96-06/25/97	1	4	
ALPO0024	Yes	00403	PH, LAB, STANDARD UNITS SU	03/07/97-03/07/97	0	1	
ALPO0025	Yes	00403	PH, LAB, STANDARD UNITS SU	05/15/96-05/15/96	0	1	
ALPO0026	No	00403	PH, LAB, STANDARD UNITS SU	06/03/70-06/03/70	0	1	
ALPO0027	No	00403	PH, LAB, STANDARD UNITS SU	06/03/70-12/21/76	6	2	
ALPO0028	Yes	00403	PH, LAB, STANDARD UNITS SU	05/15/96-06/25/97	1	5	
ALPO0031	No	00403	PH, LAB, STANDARD UNITS SU	06/13/94-06/13/94	0	1	
ALPO0032	No	00403	PH, LAB, STANDARD UNITS SU	06/13/94-06/13/94	0	1	
ALPO0033	No	00403	PH, LAB, STANDARD UNITS SU	06/13/94-06/13/94	0	1	
ALPO0035	No	00403	PH, LAB, STANDARD UNITS SU	08/01/94-08/01/94	0	1	
ALPO0037	No	00403	PH, LAB, STANDARD UNITS SU	06/13/94-06/13/94	0	1	
ALPO0038	No	00403	PH, LAB, STANDARD UNITS SU	06/14/94-06/14/94	0	1	
ALPO0039	No	00403	PH, LAB, STANDARD UNITS SU	06/02/92-06/02/93	1	5	
ALPO0040	No	00403	PH, LAB, STANDARD UNITS SU	08/03/93-04/03/96	2	4	
ALPO0041	No	00403	PH, LAB, STANDARD UNITS SU	06/02/92-06/02/93	1	6	
ALPO0042	No	00403	PH, LAB, STANDARD UNITS SU	08/03/93-04/03/96	2	4	
ALPO0043	No	00403	PH, LAB, STANDARD UNITS SU	06/13/94-06/13/94	0	1	
ALPO0044	No	00403	PH, LAB, STANDARD UNITS SU	08/03/93-06/13/94	0	2	
ALPO0045	No	00403	PH, LAB, STANDARD UNITS SU	11/01/94-04/03/96	1	2	
ALPO0046	No	00403	PH, LAB, STANDARD UNITS SU	04/03/96-04/03/96	0	1	
ALPO0047	No	00403	PH, LAB, STANDARD UNITS SU	06/09/92-06/02/93	0	5	
ALPO0048	No	00403	PH, LAB, STANDARD UNITS SU	06/13/94-06/13/94	0	1	
ALPO0049	No	00403	PH, LAB, STANDARD UNITS SU	06/13/94-06/13/94	0	1	
ALPO0051	No	00403	PH, LAB, STANDARD UNITS SU	08/06/92-10/15/92	0	2	
ALPO0052	No	00403	PH, LAB, STANDARD UNITS SU	06/14/94-06/14/94	0	1	
ALPO0053	No	00403	PH, LAB, STANDARD UNITS SU	06/14/94-06/14/94	0	1	
ALPO0055	No	00403	PH, LAB, STANDARD UNITS SU	06/10/92-06/10/92	0	1	
ALPO0058	No	00403	PH, LAB, STANDARD UNITS SU	06/14/94-04/04/96	1	2	
ALPO0059	No	00403	PH, LAB, STANDARD UNITS SU	07/27/92-04/04/96	3	5	
ALPO0062	No	00403	PH, LAB, STANDARD UNITS SU	06/14/94-04/04/96	1	3	
ALPO0066	No	00403	PH, LAB, STANDARD UNITS SU	06/02/92-06/03/93	1	6	
ALPO0067	No	00403	PH, LAB, STANDARD UNITS SU	03/06/93-03/06/93	0	1	
ALPO0068	No	00403	PH, LAB, STANDARD UNITS SU	06/02/92-06/03/93	1	6	
ALPO0069	No	00403	PH, LAB, STANDARD UNITS SU	03/06/93-03/06/93	0	1	
ALPO0070	No	00403	PH, LAB, STANDARD UNITS SU	06/02/92-11/06/93	1	3	
ALPO0071	No	00403	PH, LAB, STANDARD UNITS SU	06/02/92-06/03/93	1	5	
ALPO0072	No	00403	PH, LAB, STANDARD UNITS SU	06/02/92-06/03/93	1	5	
ALPO0073	No	00403	PH, LAB, STANDARD UNITS SU	06/07/93-06/07/93	0	1	
ALPO0074	No	00403	PH, LAB, STANDARD UNITS SU	06/07/93-06/07/93	0	1	
ALPO0075	No	00403	PH, LAB, STANDARD UNITS SU	06/09/92-06/03/93	0	4	
ALPO0077	No	00403	PH, LAB, STANDARD UNITS SU	06/07/93-06/07/93	0	1	
ALPO0078	No	00403	PH, LAB, STANDARD UNITS SU	06/09/92-06/09/92	0	1	
ALPO0080	No	00403	PH, LAB, STANDARD UNITS SU	06/09/92-06/09/92	0	1	
ALPO0081	No	00403	PH, LAB, STANDARD UNITS SU	06/08/94-04/04/95	0	4	
ALPO0082	No	00403	PH, LAB, STANDARD UNITS SU	06/08/93-06/08/93	0	1	
ALPO0083	No	00403	PH, LAB, STANDARD UNITS SU	09/22/94-09/22/94	0	1	
ALPO0084	No	00403	PH, LAB, STANDARD UNITS SU	06/08/93-06/08/93	0	1	
ALPO0085	No	00403	PH, LAB, STANDARD UNITS SU	06/07/93-06/07/93	0	1	
ALPO0086	No	00403	PH, LAB, STANDARD UNITS SU	06/14/93-06/14/93	0	1	
ALPO0087	No	00403	PH, LAB, STANDARD UNITS SU	06/07/93-06/07/93	0	1	
ALPO0088	No	00403	PH, LAB, STANDARD UNITS SU	06/07/93-06/07/93	0	1	
ALPO0089	No	00403	PH, LAB, STANDARD UNITS SU	06/14/93-06/14/93	0	1	
ALPO0090	No	00403	PH, LAB, STANDARD UNITS SU	06/14/93-06/14/93	0	1	
ALPO0091	No	00403	PH, LAB, STANDARD UNITS SU	07/20/93-02/01/95	1	4	
ALPO0092	No	00403	PH, LAB, STANDARD UNITS SU	06/14/93-06/14/93	0	1	
ALPO0093	No	00403	PH, LAB, STANDARD UNITS SU	07/20/93-02/01/95	1	4	
ALPO0094	No	00403	PH, LAB, STANDARD UNITS SU	06/08/93-06/08/93	0	1	
ALPO0095	No	00403	PH, LAB, STANDARD UNITS SU	07/27/92-07/27/92	0	1	
ALPO0096	No	00403	PH, LAB, STANDARD UNITS SU	07/27/92-07/27/92	0	1	
ALPO0097	No	00403	PH, LAB, STANDARD UNITS SU	06/07/93-06/01/94	0	2	
ALPO0098	No	00403	PH, LAB, STANDARD UNITS SU	06/09/93-02/01/95	1	2	
ALPO0099	No	00403	PH, LAB, STANDARD UNITS SU	06/30/93-06/30/93	0	1	
ALPO0100	No	00403	PH, LAB, STANDARD UNITS SU	06/30/93-12/08/94	1	3	
ALPO0101	No	00403	PH, LAB, STANDARD UNITS SU	07/13/93-04/06/95	1	4	
ALPO0102	No	00403	PH, LAB, STANDARD UNITS SU	06/30/93-06/30/93	0	1	
ALPO0103	No	00403	PH, LAB, STANDARD UNITS SU	06/07/93-11/29/94	1	3	
ALPO0104	No	00403	PH, LAB, STANDARD UNITS SU	06/01/94-03/14/95	0	3	
ALPO0105	No	00403	PH, LAB, STANDARD UNITS SU	06/30/93-06/30/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0106	No	00403	PH, LAB, STANDARD UNITS SU	08/01/94-10/13/94	0	2	
ALPO0107	No	00403	PH, LAB, STANDARD UNITS SU	08/01/94-10/13/94	0	2	
ALPO0108	No	00403	PH, LAB, STANDARD UNITS SU	06/30/93-06/30/93	0	1	
ALPO0109	No	00403	PH, LAB, STANDARD UNITS SU	06/30/93-06/30/93	0	1	
ALPO0110	No	00403	PH, LAB, STANDARD UNITS SU	07/01/93-03/14/95	1	4	
ALPO0111	No	00403	PH, LAB, STANDARD UNITS SU	06/01/94-12/08/94	0	2	
ALPO0112	No	00403	PH, LAB, STANDARD UNITS SU	06/30/93-06/30/93	0	1	
ALPO0113	No	00403	PH, LAB, STANDARD UNITS SU	05/31/94-05/31/94	0	1	
ALPO0114	No	00403	PH, LAB, STANDARD UNITS SU	06/30/93-06/30/93	0	1	
ALPO0115	No	00403	PH, LAB, STANDARD UNITS SU	06/03/93-06/03/93	0	1	
ALPO0116	No	00403	PH, LAB, STANDARD UNITS SU	06/01/94-06/01/94	0	1	
ALPO0117	No	00403	PH, LAB, STANDARD UNITS SU	07/06/93-07/06/93	0	1	
ALPO0118	No	00403	PH, LAB, STANDARD UNITS SU	06/01/94-03/14/95	0	3	
ALPO0119	No	00403	PH, LAB, STANDARD UNITS SU	07/06/93-07/06/93	0	1	
ALPO0120	No	00403	PH, LAB, STANDARD UNITS SU	06/03/93-11/29/94	1	2	
ALPO0121	No	00403	PH, LAB, STANDARD UNITS SU	06/03/93-06/03/93	0	1	
ALPO0122	No	00403	PH, LAB, STANDARD UNITS SU	07/06/93-06/01/94	0	2	
ALPO0123	No	00403	PH, LAB, STANDARD UNITS SU	06/03/93-06/03/93	0	1	
ALPO0124	No	00403	PH, LAB, STANDARD UNITS SU	06/14/93-06/06/94	0	2	
ALPO0125	No	00403	PH, LAB, STANDARD UNITS SU	06/02/93-04/06/95	1	4	
ALPO0126	No	00403	PH, LAB, STANDARD UNITS SU	06/02/93-06/01/94	0	2	
ALPO0127	No	00403	PH, LAB, STANDARD UNITS SU	06/29/93-06/29/93	0	1	
ALPO0128	No	00403	PH, LAB, STANDARD UNITS SU	06/02/93-06/01/94	0	2	
ALPO0129	No	00403	PH, LAB, STANDARD UNITS SU	06/29/93-03/07/95	1	4	
ALPO0130	No	00403	PH, LAB, STANDARD UNITS SU	04/14/86-05/04/86	0	2	
ALPO0131	No	00403	PH, LAB, STANDARD UNITS SU	06/09/93-06/09/93	0	1	
ALPO0132	No	00403	PH, LAB, STANDARD UNITS SU	06/30/93-03/07/95	1	4	
ALPO0133	No	00403	PH, LAB, STANDARD UNITS SU	06/29/93-03/07/95	1	4	
ALPO0134	No	00403	PH, LAB, STANDARD UNITS SU	07/27/94-04/04/95	0	3	
ALPO0135	No	00403	PH, LAB, STANDARD UNITS SU	06/07/93-10/13/94	1	4	
ALPO0136	No	00403	PH, LAB, STANDARD UNITS SU	06/06/94-06/06/94	0	1	
ALPO0137	No	00403	PH, LAB, STANDARD UNITS SU	06/07/93-10/13/94	1	4	
ALPO0138	No	00403	PH, LAB, STANDARD UNITS SU	06/07/93-06/07/93	0	1	
ALPO0139	No	00403	PH, LAB, STANDARD UNITS SU	06/29/93-06/29/93	0	1	
ALPO0140	No	00403	PH, LAB, STANDARD UNITS SU	06/29/93-06/29/93	0	1	
ALPO0141	No	00403	PH, LAB, STANDARD UNITS SU	06/29/93-06/29/93	0	1	
ALPO0142	No	00403	PH, LAB, STANDARD UNITS SU	08/05/92-04/06/95	2	8	
ALPO0143	No	00403	PH, LAB, STANDARD UNITS SU	11/30/92-11/30/92	0	1	
ALPO0144	No	00403	PH, LAB, STANDARD UNITS SU	11/30/92-11/30/92	0	1	
ALPO0145	No	00403	PH, LAB, STANDARD UNITS SU	06/16/94-04/06/95	0	2	
ALPO0146	No	00403	PH, LAB, STANDARD UNITS SU	06/07/93-10/13/94	1	4	
ALPO0147	No	00403	PH, LAB, STANDARD UNITS SU	06/14/93-06/14/93	0	1	
ALPO0148	No	00403	PH, LAB, STANDARD UNITS SU	06/14/93-06/14/93	0	1	
ALPO0149	No	00403	PH, LAB, STANDARD UNITS SU	06/14/93-04/06/95	1	3	
ALPO0150	No	00403	PH, LAB, STANDARD UNITS SU	06/14/93-06/14/93	0	1	
ALPO0151	No	00403	PH, LAB, STANDARD UNITS SU	07/27/94-12/15/94	0	2	
ALPO0152	No	00403	PH, LAB, STANDARD UNITS SU	11/28/92-05/31/94	1	6	
ALPO0153	No	00403	PH, LAB, STANDARD UNITS SU	01/28/93-05/31/94	1	4	
ALPO0154	No	00403	PH, LAB, STANDARD UNITS SU	06/29/93-06/29/93	0	1	
ALPO0155	No	00403	PH, LAB, STANDARD UNITS SU	12/22/92-11/06/93	0	4	
ALPO0156	No	00403	PH, LAB, STANDARD UNITS SU	06/29/93-06/29/93	0	1	
ALPO0157	No	00403	PH, LAB, STANDARD UNITS SU	06/14/93-03/16/95	1	4	
ALPO0158	No	00403	PH, LAB, STANDARD UNITS SU	06/14/93-06/14/93	0	1	
ALPO0159	No	00403	PH, LAB, STANDARD UNITS SU	06/14/93-06/14/93	0	1	
ALPO0160	No	00403	PH, LAB, STANDARD UNITS SU	08/18/93-03/07/95	1	4	
ALPO0161	No	00403	PH, LAB, STANDARD UNITS SU	08/18/93-03/13/95	1	4	
ALPO0162	No	00403	PH, LAB, STANDARD UNITS SU	08/18/93-03/13/95	1	4	
ALPO0163	No	00403	PH, LAB, STANDARD UNITS SU	07/07/87-07/07/87	0	1	
ALPO0164	No	00403	PH, LAB, STANDARD UNITS SU	08/01/94-08/01/94	0	1	
ALPO0166	No	00403	PH, LAB, STANDARD UNITS SU	08/01/94-08/01/94	0	1	
ALPO0168	No	00403	PH, LAB, STANDARD UNITS SU	06/29/93-06/29/93	0	1	
ALPO0169	No	00403	PH, LAB, STANDARD UNITS SU	07/27/93-07/27/93	0	1	
ALPO0170	No	00403	PH, LAB, STANDARD UNITS SU	06/28/93-05/25/94	0	2	
ALPO0171	No	00403	PH, LAB, STANDARD UNITS SU	06/28/93-05/23/95	1	4	
ALPO0172	No	00403	PH, LAB, STANDARD UNITS SU	06/28/93-05/25/94	0	2	
ALPO0173	No	00403	PH, LAB, STANDARD UNITS SU	07/28/93-10/19/94	1	3	
ALPO0174	No	00403	PH, LAB, STANDARD UNITS SU	07/28/93-12/15/94	1	3	
ALPO0175	No	00403	PH, LAB, STANDARD UNITS SU	08/01/94-08/01/94	0	1	
ALPO0176	No	00403	PH, LAB, STANDARD UNITS SU	07/28/93-05/16/95	1	4	
ALPO0177	No	00403	PH, LAB, STANDARD UNITS SU	07/07/87-07/07/87	0	1	
ALPO0178	No	00403	PH, LAB, STANDARD UNITS SU	07/07/87-07/07/87	0	1	
ALPO0179	No	00403	PH, LAB, STANDARD UNITS SU	07/12/93-07/12/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0180	No	00403	PH, LAB, STANDARD UNITS SU	08/05/93-08/05/93	0	1	
ALPO0181	No	00403	PH, LAB, STANDARD UNITS SU	08/12/93-06/06/94	0	2	
ALPO0182	No	00403	PH, LAB, STANDARD UNITS SU	08/12/93-06/06/94	0	2	
ALPO0183	No	00403	PH, LAB, STANDARD UNITS SU	08/12/93-06/05/94	0	2	
ALPO0184	No	00403	PH, LAB, STANDARD UNITS SU	08/12/93-08/12/93	0	1	
ALPO0185	No	00403	PH, LAB, STANDARD UNITS SU	08/12/93-08/12/93	0	1	
ALPO0186	No	00403	PH, LAB, STANDARD UNITS SU	06/07/94-04/11/95	0	2	
ALPO0187	No	00403	PH, LAB, STANDARD UNITS SU	08/12/93-08/12/93	0	1	
ALPO0188	No	00403	PH, LAB, STANDARD UNITS SU	08/12/93-08/12/93	0	1	
ALPO0189	No	00403	PH, LAB, STANDARD UNITS SU	08/15/93-06/05/94	0	2	
ALPO0190	No	00403	PH, LAB, STANDARD UNITS SU	06/24/93-06/13/95	1	3	
ALPO0191	No	00403	PH, LAB, STANDARD UNITS SU	06/24/93-06/24/93	0	1	
ALPO0192	No	00403	PH, LAB, STANDARD UNITS SU	06/22/93-03/15/95	1	3	
ALPO0193	No	00403	PH, LAB, STANDARD UNITS SU	06/22/93-06/08/94	0	2	
ALPO0194	No	00403	PH, LAB, STANDARD UNITS SU	06/29/93-06/29/93	0	1	
ALPO0195	No	00403	PH, LAB, STANDARD UNITS SU	06/14/93-06/14/93	0	1	
ALPO0196	No	00403	PH, LAB, STANDARD UNITS SU	07/28/93-10/03/94	1	3	
ALPO0197	No	00403	PH, LAB, STANDARD UNITS SU	05/25/94-05/25/94	0	1	
ALPO0198	No	00403	PH, LAB, STANDARD UNITS SU	08/04/93-09/29/94	1	3	
ALPO0199	No	00403	PH, LAB, STANDARD UNITS SU	04/01/81-08/14/81	0	2	
ALPO0200	No	00403	PH, LAB, STANDARD UNITS SU	05/25/94-05/25/94	0	1	
ALPO0201	No	00403	PH, LAB, STANDARD UNITS SU	08/04/93-09/29/94	1	3	
ALPO0202	No	00403	PH, LAB, STANDARD UNITS SU	12/21/93-12/21/93	0	1	
ALPO0203	No	00403	PH, LAB, STANDARD UNITS SU	04/14/86-05/04/86	0	2	
ALPO0204	No	00403	PH, LAB, STANDARD UNITS SU	05/25/94-05/25/94	0	1	
ALPO0205	No	00403	PH, LAB, STANDARD UNITS SU	06/24/93-06/24/93	0	1	
ALPO0206	No	00403	PH, LAB, STANDARD UNITS SU	06/15/93-06/15/93	0	1	
ALPO0207	No	00403	PH, LAB, STANDARD UNITS SU	08/05/93-08/05/93	0	1	
ALPO0208	No	00403	PH, LAB, STANDARD UNITS SU	06/15/93-06/15/93	0	1	
ALPO0209	No	00403	PH, LAB, STANDARD UNITS SU	08/16/93-04/11/95	1	4	
ALPO0210	No	00403	PH, LAB, STANDARD UNITS SU	07/26/93-07/26/93	0	1	
ALPO0211	No	00403	PH, LAB, STANDARD UNITS SU	08/16/93-04/11/95	1	4	
ALPO0212	No	00403	PH, LAB, STANDARD UNITS SU	08/05/93-08/05/93	0	1	
ALPO0213	No	00403	PH, LAB, STANDARD UNITS SU	07/26/93-07/26/93	0	1	
ALPO0214	No	00403	PH, LAB, STANDARD UNITS SU	08/16/93-08/16/93	0	1	
ALPO0215	No	00403	PH, LAB, STANDARD UNITS SU	06/15/93-06/15/93	0	1	
ALPO0216	No	00403	PH, LAB, STANDARD UNITS SU	06/15/93-06/15/93	0	1	
ALPO0217	No	00403	PH, LAB, STANDARD UNITS SU	06/15/93-06/15/93	0	1	
ALPO0218	No	00403	PH, LAB, STANDARD UNITS SU	08/04/93-09/29/94	1	3	
ALPO0219	No	00403	PH, LAB, STANDARD UNITS SU	08/04/93-05/23/94	0	2	
ALPO0220	No	00403	PH, LAB, STANDARD UNITS SU	08/04/93-05/23/94	0	2	
ALPO0221	No	00403	PH, LAB, STANDARD UNITS SU	06/17/93-06/17/93	0	1	
ALPO0222	No	00403	PH, LAB, STANDARD UNITS SU	07/12/93-05/23/95	1	4	
ALPO0223	No	00403	PH, LAB, STANDARD UNITS SU	07/12/93-05/23/95	1	4	
ALPO0224	No	00403	PH, LAB, STANDARD UNITS SU	07/12/93-05/23/94	0	3	
ALPO0225	No	00403	PH, LAB, STANDARD UNITS SU	07/07/87-07/07/87	0	1	
ALPO0226	No	00403	PH, LAB, STANDARD UNITS SU	07/12/93-05/24/94	0	2	
ALPO0227	No	00403	PH, LAB, STANDARD UNITS SU	07/12/93-12/15/94	1	3	
ALPO0228	No	00403	PH, LAB, STANDARD UNITS SU	07/01/94-07/01/94	0	1	
ALPO0229	No	00403	PH, LAB, STANDARD UNITS SU	07/07/87-07/07/87	0	1	
ALPO0230	No	00403	PH, LAB, STANDARD UNITS SU	07/12/93-05/24/94	0	2	
ALPO0232	No	00403	PH, LAB, STANDARD UNITS SU	06/17/93-06/17/93	0	1	
ALPO0234	No	00403	PH, LAB, STANDARD UNITS SU	08/10/94-08/10/94	0	1	
ALPO0235	No	00403	PH, LAB, STANDARD UNITS SU	07/07/87-07/07/87	0	1	
ALPO0236	No	00403	PH, LAB, STANDARD UNITS SU	08/16/93-08/16/93	0	1	
ALPO0237	No	00403	PH, LAB, STANDARD UNITS SU	08/16/93-08/16/93	0	1	
ALPO0238	No	00403	PH, LAB, STANDARD UNITS SU	07/07/87-07/07/87	0	1	
ALPO0239	No	00403	PH, LAB, STANDARD UNITS SU	08/30/93-08/30/93	0	1	
ALPO0240	No	00403	PH, LAB, STANDARD UNITS SU	08/16/93-05/17/95	1	4	
ALPO0241	No	00403	PH, LAB, STANDARD UNITS SU	08/16/93-08/16/93	0	1	
ALPO0242	No	00403	PH, LAB, STANDARD UNITS SU	08/16/93-09/24/94	1	3	
ALPO0243	No	00403	PH, LAB, STANDARD UNITS SU	08/16/93-08/16/93	0	1	
ALPO0244	No	00403	PH, LAB, STANDARD UNITS SU	06/20/94-09/23/94	0	2	
ALPO0245	No	00403	PH, LAB, STANDARD UNITS SU	06/20/94-06/20/94	0	1	
ALPO0246	No	00403	PH, LAB, STANDARD UNITS SU	07/26/94-10/05/94	0	3	
ALPO0247	No	00403	PH, LAB, STANDARD UNITS SU	06/20/94-06/20/94	0	1	
ALPO0248	No	00403	PH, LAB, STANDARD UNITS SU	12/21/93-06/09/94	0	2	
ALPO0249	No	00403	PH, LAB, STANDARD UNITS SU	08/16/93-08/16/93	0	1	
ALPO0250	No	00403	PH, LAB, STANDARD UNITS SU	12/21/93-12/21/93	0	1	
ALPO0251	No	00403	PH, LAB, STANDARD UNITS SU	12/21/93-06/09/94	0	2	
ALPO0252	No	00403	PH, LAB, STANDARD UNITS SU	12/21/93-12/21/93	0	1	
ALPO0253	Yes	00403	PH, LAB, STANDARD UNITS SU	08/16/93-08/16/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0254	Yes	00403	PH, LAB, STANDARD UNITS SU	07/07/87-07/07/87	0	1	
ALPO0255	Yes	00403	PH, LAB, STANDARD UNITS SU	08/16/93-08/16/93	0	1	
ALPO0256	No	00403	PH, LAB, STANDARD UNITS SU	07/26/94-05/18/95	0	4	
ALPO0257	No	00403	PH, LAB, STANDARD UNITS SU	07/26/94-05/18/95	0	4	
ALPO0258	No	00403	PH, LAB, STANDARD UNITS SU	07/26/94-05/18/95	0	4	
ALPO0259	No	00403	PH, LAB, STANDARD UNITS SU	09/26/72-03/14/74	1	9	
ALPO0260	No	00403	PH, LAB, STANDARD UNITS SU	07/26/93-07/26/93	0	1	
ALPO0261	No	00403	PH, LAB, STANDARD UNITS SU	07/26/94-05/18/95	0	3	
ALPO0262	No	00403	PH, LAB, STANDARD UNITS SU	04/01/81-08/11/81	0	2	
ALPO0263	No	00403	PH, LAB, STANDARD UNITS SU	08/16/93-08/16/93	0	1	
ALPO0264	No	00403	PH, LAB, STANDARD UNITS SU	07/26/94-10/11/94	0	3	
ALPO0265	No	00403	PH, LAB, STANDARD UNITS SU	08/16/93-11/22/94	1	3	
ALPO0268	No	00403	PH, LAB, STANDARD UNITS SU	08/02/94-11/22/94	0	2	
ALPO0271	No	00403	PH, LAB, STANDARD UNITS SU	08/02/94-11/22/94	0	2	
ALPO0272	No	00403	PH, LAB, STANDARD UNITS SU	08/25/94-08/25/94	0	1	
ALPO0273	No	00403	PH, LAB, STANDARD UNITS SU	08/02/94-08/02/94	0	1	
ALPO0274	No	00403	PH, LAB, STANDARD UNITS SU	08/25/94-08/25/94	0	1	
ALPO0275	No	00403	PH, LAB, STANDARD UNITS SU	04/14/86-05/04/86	0	2	
ALPO0276	No	00403	PH, LAB, STANDARD UNITS SU	08/03/94-11/20/94	0	2	
ALPO0277	No	00403	PH, LAB, STANDARD UNITS SU	07/26/94-05/24/95	0	3	
ALPO0278	No	00403	PH, LAB, STANDARD UNITS SU	07/12/93-07/12/93	0	1	
ALPO0279	No	00403	PH, LAB, STANDARD UNITS SU	07/26/94-12/29/94	0	2	
ALPO0280	No	00403	PH, LAB, STANDARD UNITS SU	07/29/92-07/29/92	0	1	
ALPO0281	No	00403	PH, LAB, STANDARD UNITS SU	04/14/86-05/04/86	0	2	
ALPO0282	No	00403	PH, LAB, STANDARD UNITS SU	03/30/81-05/24/94	13	4	
ALPO0283	No	00403	PH, LAB, STANDARD UNITS SU	07/13/93-07/13/93	0	1	
ALPO0284	No	00403	PH, LAB, STANDARD UNITS SU	08/10/94-08/10/94	0	1	
ALPO0285	No	00403	PH, LAB, STANDARD UNITS SU	07/29/92-10/16/93	1	5	
ALPO0286	No	00403	PH, LAB, STANDARD UNITS SU	07/27/94-03/19/95	0	3	
ALPO0287	No	00403	PH, LAB, STANDARD UNITS SU	07/29/92-10/19/93	1	5	
ALPO0288	No	00403	PH, LAB, STANDARD UNITS SU	07/28/94-03/19/95	0	3	
ALPO0289	No	00403	PH, LAB, STANDARD UNITS SU	07/28/94-03/19/95	0	2	
ALPO0290	No	00403	PH, LAB, STANDARD UNITS SU	07/29/92-07/29/92	0	1	
ALPO0291	No	00403	PH, LAB, STANDARD UNITS SU	11/09/92-11/09/92	0	1	
ALPO0292	No	00403	PH, LAB, STANDARD UNITS SU	07/28/94-03/19/95	0	3	
ALPO0293	No	00403	PH, LAB, STANDARD UNITS SU	07/27/94-03/19/95	0	3	
ALPO0294	No	00403	PH, LAB, STANDARD UNITS SU	07/28/94-03/19/95	0	3	
ALPO0295	No	00403	PH, LAB, STANDARD UNITS SU	07/28/94-03/19/95	0	3	
ALPO0296	Yes	00403	PH, LAB, STANDARD UNITS SU	05/15/96-05/15/96	0	1	
ALPO0297	No	00403	PH, LAB, STANDARD UNITS SU	07/28/94-03/19/95	0	3	
ALPO0298	Yes	00403	PH, LAB, STANDARD UNITS SU	07/28/94-09/20/94	0	2	
ALPO0299	Yes	00403	PH, LAB, STANDARD UNITS SU	07/28/94-09/20/94	0	2	
ALPO0300	No	00403	PH, LAB, STANDARD UNITS SU	07/28/94-03/19/95	0	3	
ALPO0301	Yes	00403	PH, LAB, STANDARD UNITS SU	07/28/94-05/24/95	0	3	
ALPO0302	No	00403	PH, LAB, STANDARD UNITS SU	08/03/92-08/03/92	0	1	
ALPO0303	No	00403	PH, LAB, STANDARD UNITS SU	11/09/92-11/09/92	0	1	
ALPO0304	No	00403	PH, LAB, STANDARD UNITS SU	07/28/94-05/24/95	0	3	
ALPO0305	No	00403	PH, LAB, STANDARD UNITS SU	11/09/92-11/09/92	0	1	
ALPO0306	No	00403	PH, LAB, STANDARD UNITS SU	08/03/92-08/03/92	0	1	
ALPO0307	No	00403	PH, LAB, STANDARD UNITS SU	08/10/94-08/10/94	0	1	
ALPO0308	No	00403	PH, LAB, STANDARD UNITS SU	07/19/94-12/06/94	0	2	
ALPO0309	Yes	00403	PH, LAB, STANDARD UNITS SU	05/15/96-05/23/96	0	2	
ALPO0310	No	00403	PH, LAB, STANDARD UNITS SU	07/19/94-12/06/94	0	2	
ALPO0311	No	00403	PH, LAB, STANDARD UNITS SU	07/15/93-07/15/93	0	1	
ALPO0312	No	00403	PH, LAB, STANDARD UNITS SU	07/15/93-07/15/93	0	1	
ALPO0313	No	00403	PH, LAB, STANDARD UNITS SU	08/03/92-10/16/93	1	2	
ALPO0314	No	00403	PH, LAB, STANDARD UNITS SU	07/29/92-10/16/93	1	4	
ALPO0315	No	00403	PH, LAB, STANDARD UNITS SU	11/23/92-11/23/92	0	1	
ALPO0316	No	00403	PH, LAB, STANDARD UNITS SU	07/20/94-07/20/94	0	1	
ALPO0317	No	00403	PH, LAB, STANDARD UNITS SU	07/13/93-07/13/93	0	1	
ALPO0319	No	00403	PH, LAB, STANDARD UNITS SU	07/20/94-12/06/94	0	2	
ALPO0320	No	00403	PH, LAB, STANDARD UNITS SU	06/14/94-11/21/94	0	2	
ALPO0321	No	00403	PH, LAB, STANDARD UNITS SU	07/07/94-07/07/94	0	1	
ALPO0324	No	00403	PH, LAB, STANDARD UNITS SU	07/29/92-10/16/93	1	4	
ALPO0325	No	00403	PH, LAB, STANDARD UNITS SU	07/20/94-12/01/94	0	2	
ALPO0326	No	00403	PH, LAB, STANDARD UNITS SU	09/15/67-09/15/67	0	1	
ALPO0327	No	00403	PH, LAB, STANDARD UNITS SU	06/14/94-06/14/94	0	1	
ALPO0328	No	00403	PH, LAB, STANDARD UNITS SU	07/28/93-05/24/94	0	2	
ALPO0329	No	00403	PH, LAB, STANDARD UNITS SU	07/28/93-05/24/94	0	2	
ALPO0331	No	00403	PH, LAB, STANDARD UNITS SU	07/14/93-07/14/93	0	1	
ALPO0332	No	00403	PH, LAB, STANDARD UNITS SU	06/14/94-06/14/94	0	1	
ALPO0333	No	00403	PH, LAB, STANDARD UNITS SU	06/14/94-06/14/94	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0334	No	00403	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	37	230	T,A,S
ALPO0335	No	00403	PH, LAB, STANDARD UNITS SU	11/21/94-11/21/94	0	1	
ALPO0337	No	00403	PH, LAB, STANDARD UNITS SU	08/22/94-08/22/94	0	1	
ALPO0338	No	00403	PH, LAB, STANDARD UNITS SU	08/11/94-11/16/94	0	2	
ALPO0339	No	00403	PH, LAB, STANDARD UNITS SU	08/15/94-08/15/94	0	2	
ALPO0340	No	00403	PH, LAB, STANDARD UNITS SU	08/15/94-08/15/94	0	1	
ALPO0341	No	00403	PH, LAB, STANDARD UNITS SU	08/15/94-08/15/94	0	1	
ALPO0342	No	00403	PH, LAB, STANDARD UNITS SU	08/15/94-08/15/94	0	1	
ALPO0343	No	00403	PH, LAB, STANDARD UNITS SU	07/27/93-05/23/94	0	2	
ALPO0344	No	00403	PH, LAB, STANDARD UNITS SU	08/15/94-08/15/94	0	1	
ALPO0345	No	00403	PH, LAB, STANDARD UNITS SU	08/15/94-11/21/94	0	2	
ALPO0346	No	00403	PH, LAB, STANDARD UNITS SU	11/25/80-04/28/81	0	5	
ALPO0347	No	00403	PH, LAB, STANDARD UNITS SU	05/28/94-05/28/94	0	1	
ALPO0348	No	00403	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	37	232	T,A,S
ALPO0349	No	00403	PH, LAB, STANDARD UNITS SU	08/15/94-08/15/94	0	1	
ALPO0351	No	00403	PH, LAB, STANDARD UNITS SU	12/10/80-05/15/97	16	21	
ALPO0352	No	00403	PH, LAB, STANDARD UNITS SU	12/30/80-04/28/81	0	4	
ALPO0354	No	00403	PH, LAB, STANDARD UNITS SU	08/15/94-08/15/94	0	1	
ALPO0355	No	00403	PH, LAB, STANDARD UNITS SU	08/11/94-06/14/95	0	3	
ALPO0356	No	00403	PH, LAB, STANDARD UNITS SU	04/01/81-08/14/81	0	2	
ALPO0357	No	00403	PH, LAB, STANDARD UNITS SU	11/21/94-11/21/94	0	1	
ALPO0358	No	00403	PH, LAB, STANDARD UNITS SU	11/25/80-04/28/81	0	5	
ALPO0359	No	00403	PH, LAB, STANDARD UNITS SU	04/01/81-05/23/94	13	4	
ALPO0360	No	00403	PH, LAB, STANDARD UNITS SU	08/25/94-08/25/94	0	1	
ALPO0361	No	00403	PH, LAB, STANDARD UNITS SU	10/23/93-01/25/96	2	3	
ALPO0362	No	00403	PH, LAB, STANDARD UNITS SU	07/28/92-01/25/96	3	7	
ALPO0363	No	00403	PH, LAB, STANDARD UNITS SU	10/23/93-01/25/96	2	3	
ALPO0364	No	00403	PH, LAB, STANDARD UNITS SU	07/13/93-11/14/94	1	3	
ALPO0365	No	00403	PH, LAB, STANDARD UNITS SU	10/23/93-09/30/95	1	4	
ALPO0366	No	00403	PH, LAB, STANDARD UNITS SU	09/30/92-04/20/95	2	5	
ALPO0367	No	00403	PH, LAB, STANDARD UNITS SU	07/13/93-09/30/95	2	6	
ALPO0368	No	00403	PH, LAB, STANDARD UNITS SU	11/15/94-04/12/95	0	2	
ALPO0369	No	00403	PH, LAB, STANDARD UNITS SU	02/05/94-01/24/96	1	5	
ALPO0370	No	00403	PH, LAB, STANDARD UNITS SU	02/05/94-01/24/96	1	4	
ALPO0371	No	00403	PH, LAB, STANDARD UNITS SU	11/15/94-11/15/94	0	1	
ALPO0372	No	00403	PH, LAB, STANDARD UNITS SU	02/05/94-01/24/96	1	6	
ALPO0373	No	00403	PH, LAB, STANDARD UNITS SU	02/05/94-08/29/95	1	3	
ALPO0374	No	00403	PH, LAB, STANDARD UNITS SU	07/15/93-10/01/95	2	4	
ALPO0375	No	00403	PH, LAB, STANDARD UNITS SU	02/05/94-01/24/96	1	6	
ALPO0376	No	00403	PH, LAB, STANDARD UNITS SU	02/05/94-01/24/96	1	5	
ALPO0377	No	00403	PH, LAB, STANDARD UNITS SU	07/15/93-01/25/96	2	6	
ALPO0378	No	00403	PH, LAB, STANDARD UNITS SU	07/28/92-12/20/94	2	4	
ALPO0379	No	00403	PH, LAB, STANDARD UNITS SU	09/30/92-12/20/94	2	4	
ALPO0380	No	00403	PH, LAB, STANDARD UNITS SU	07/15/93-07/15/93	0	1	
ALPO0381	No	00403	PH, LAB, STANDARD UNITS SU	07/15/93-07/15/93	0	1	
ALPO0029	No	00405	CARBON DIOXIDE (MG/L AS CO2)	06/03/70-06/03/70	0	1	
ALPO0030	No	00405	CARBON DIOXIDE (MG/L AS CO2)	06/03/70-06/03/70	0	1	
ALPO0350	No	00405	CARBON DIOXIDE (MG/L AS CO2)	04/20/53-11/10/71	18	4	
ALPO0351	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/12/59-10/16/59	0	3	
ALPO0031	No	00406	PH, FIELD, STANDARD UNITS SU	06/13/94-06/13/94	0	1	
ALPO0032	No	00406	PH, FIELD, STANDARD UNITS SU	06/13/94-06/13/94	0	1	
ALPO0033	No	00406	PH, FIELD, STANDARD UNITS SU	06/13/94-06/13/94	0	1	
ALPO0035	No	00406	PH, FIELD, STANDARD UNITS SU	08/01/94-08/01/94	0	1	
ALPO0037	No	00406	PH, FIELD, STANDARD UNITS SU	06/13/94-06/13/94	0	1	
ALPO0038	No	00406	PH, FIELD, STANDARD UNITS SU	06/14/94-06/14/94	0	1	
ALPO0039	No	00406	PH, FIELD, STANDARD UNITS SU	06/02/92-06/02/93	1	5	
ALPO0040	No	00406	PH, FIELD, STANDARD UNITS SU	08/03/93-04/03/96	2	4	
ALPO0041	No	00406	PH, FIELD, STANDARD UNITS SU	06/02/92-06/02/93	1	6	
ALPO0042	No	00406	PH, FIELD, STANDARD UNITS SU	08/03/93-04/03/96	2	4	
ALPO0043	No	00406	PH, FIELD, STANDARD UNITS SU	06/13/94-06/13/94	0	1	
ALPO0044	No	00406	PH, FIELD, STANDARD UNITS SU	08/03/93-06/13/94	0	2	
ALPO0045	No	00406	PH, FIELD, STANDARD UNITS SU	11/01/94-04/03/96	1	2	
ALPO0046	No	00406	PH, FIELD, STANDARD UNITS SU	04/03/96-04/03/96	0	1	
ALPO0047	No	00406	PH, FIELD, STANDARD UNITS SU	06/09/92-06/02/93	0	5	
ALPO0048	No	00406	PH, FIELD, STANDARD UNITS SU	06/13/94-06/13/94	0	1	
ALPO0049	No	00406	PH, FIELD, STANDARD UNITS SU	06/13/94-06/13/94	0	1	
ALPO0051	No	00406	PH, FIELD, STANDARD UNITS SU	08/06/92-10/15/92	0	2	
ALPO0052	No	00406	PH, FIELD, STANDARD UNITS SU	06/14/94-06/14/94	0	1	
ALPO0053	No	00406	PH, FIELD, STANDARD UNITS SU	06/14/94-06/14/94	0	1	
ALPO0055	No	00406	PH, FIELD, STANDARD UNITS SU	06/10/92-06/10/92	0	1	
ALPO0058	No	00406	PH, FIELD, STANDARD UNITS SU	06/14/94-04/04/96	1	2	
ALPO0059	No	00406	PH, FIELD, STANDARD UNITS SU	07/27/92-04/04/96	3	5	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0062	No	00406	PH, FIELD, STANDARD UNITS SU	06/14/94-04/04/96	1	3	
ALPO0066	No	00406	PH, FIELD, STANDARD UNITS SU	06/02/92-06/03/93	1	6	
ALPO0067	No	00406	PH, FIELD, STANDARD UNITS SU	03/06/93-03/06/93	0	1	
ALPO0068	No	00406	PH, FIELD, STANDARD UNITS SU	06/02/92-06/03/93	1	6	
ALPO0069	No	00406	PH, FIELD, STANDARD UNITS SU	03/06/93-03/06/93	0	1	
ALPO0070	No	00406	PH, FIELD, STANDARD UNITS SU	06/02/92-06/03/93	1	2	
ALPO0071	No	00406	PH, FIELD, STANDARD UNITS SU	06/02/92-06/03/93	1	5	
ALPO0072	No	00406	PH, FIELD, STANDARD UNITS SU	06/02/92-06/03/93	1	5	
ALPO0073	No	00406	PH, FIELD, STANDARD UNITS SU	06/07/93-06/07/93	0	1	
ALPO0074	No	00406	PH, FIELD, STANDARD UNITS SU	06/07/93-06/07/93	0	1	
ALPO0075	No	00406	PH, FIELD, STANDARD UNITS SU	06/09/92-06/03/93	0	4	
ALPO0077	No	00406	PH, FIELD, STANDARD UNITS SU	06/07/93-06/07/93	0	1	
ALPO0078	No	00406	PH, FIELD, STANDARD UNITS SU	06/09/92-06/09/92	0	1	
ALPO0080	No	00406	PH, FIELD, STANDARD UNITS SU	06/09/92-06/09/92	0	1	
ALPO0081	No	00406	PH, FIELD, STANDARD UNITS SU	06/08/94-04/04/95	0	4	
ALPO0082	No	00406	PH, FIELD, STANDARD UNITS SU	06/08/93-06/08/93	0	1	
ALPO0083	No	00406	PH, FIELD, STANDARD UNITS SU	09/22/94-09/22/94	0	1	
ALPO0084	No	00406	PH, FIELD, STANDARD UNITS SU	06/08/93-06/08/93	0	1	
ALPO0085	No	00406	PH, FIELD, STANDARD UNITS SU	06/07/93-06/07/93	0	1	
ALPO0086	No	00406	PH, FIELD, STANDARD UNITS SU	06/14/93-06/14/93	0	1	
ALPO0087	No	00406	PH, FIELD, STANDARD UNITS SU	06/07/93-06/07/93	0	1	
ALPO0088	No	00406	PH, FIELD, STANDARD UNITS SU	06/07/93-06/07/93	0	1	
ALPO0089	No	00406	PH, FIELD, STANDARD UNITS SU	06/14/93-06/14/93	0	1	
ALPO0090	No	00406	PH, FIELD, STANDARD UNITS SU	06/14/93-06/14/93	0	1	
ALPO0091	No	00406	PH, FIELD, STANDARD UNITS SU	07/20/93-02/01/95	1	4	
ALPO0092	No	00406	PH, FIELD, STANDARD UNITS SU	06/14/93-06/14/93	0	1	
ALPO0093	No	00406	PH, FIELD, STANDARD UNITS SU	07/20/93-02/01/95	1	4	
ALPO0094	No	00406	PH, FIELD, STANDARD UNITS SU	06/08/93-06/08/93	0	1	
ALPO0095	No	00406	PH, FIELD, STANDARD UNITS SU	07/27/92-07/27/92	0	1	
ALPO0096	No	00406	PH, FIELD, STANDARD UNITS SU	07/27/92-07/27/92	0	1	
ALPO0097	No	00406	PH, FIELD, STANDARD UNITS SU	06/07/93-06/01/94	0	2	
ALPO0098	No	00406	PH, FIELD, STANDARD UNITS SU	06/09/93-02/01/95	1	2	
ALPO0099	No	00406	PH, FIELD, STANDARD UNITS SU	06/30/93-06/30/93	0	1	
ALPO0100	No	00406	PH, FIELD, STANDARD UNITS SU	06/30/93-12/08/94	1	3	
ALPO0101	No	00406	PH, FIELD, STANDARD UNITS SU	07/13/93-04/06/95	1	4	
ALPO0102	No	00406	PH, FIELD, STANDARD UNITS SU	06/30/93-06/30/93	0	1	
ALPO0103	No	00406	PH, FIELD, STANDARD UNITS SU	06/07/93-11/29/94	1	3	
ALPO0104	No	00406	PH, FIELD, STANDARD UNITS SU	06/01/94-03/14/95	0	3	
ALPO0105	No	00406	PH, FIELD, STANDARD UNITS SU	06/30/93-06/30/93	0	1	
ALPO0106	No	00406	PH, FIELD, STANDARD UNITS SU	08/01/94-10/13/94	0	2	
ALPO0107	No	00406	PH, FIELD, STANDARD UNITS SU	08/01/94-10/13/94	0	2	
ALPO0108	No	00406	PH, FIELD, STANDARD UNITS SU	06/30/93-06/30/93	0	1	
ALPO0109	No	00406	PH, FIELD, STANDARD UNITS SU	06/30/93-06/30/93	0	1	
ALPO0110	No	00406	PH, FIELD, STANDARD UNITS SU	07/01/93-03/14/95	1	4	
ALPO0111	No	00406	PH, FIELD, STANDARD UNITS SU	06/01/94-12/08/94	0	2	
ALPO0112	No	00406	PH, FIELD, STANDARD UNITS SU	06/30/93-06/30/93	0	1	
ALPO0113	No	00406	PH, FIELD, STANDARD UNITS SU	05/31/94-05/31/94	0	1	
ALPO0114	No	00406	PH, FIELD, STANDARD UNITS SU	06/30/93-06/30/93	0	1	
ALPO0115	No	00406	PH, FIELD, STANDARD UNITS SU	06/03/93-06/03/93	0	1	
ALPO0116	No	00406	PH, FIELD, STANDARD UNITS SU	06/01/94-06/01/94	0	1	
ALPO0117	No	00406	PH, FIELD, STANDARD UNITS SU	07/06/93-07/06/93	0	1	
ALPO0118	No	00406	PH, FIELD, STANDARD UNITS SU	06/01/94-03/14/95	0	3	
ALPO0119	No	00406	PH, FIELD, STANDARD UNITS SU	07/06/93-07/06/93	0	1	
ALPO0120	No	00406	PH, FIELD, STANDARD UNITS SU	06/03/93-11/29/94	1	2	
ALPO0121	No	00406	PH, FIELD, STANDARD UNITS SU	06/03/93-06/03/93	0	1	
ALPO0122	No	00406	PH, FIELD, STANDARD UNITS SU	07/06/93-06/01/94	0	2	
ALPO0123	No	00406	PH, FIELD, STANDARD UNITS SU	06/03/93-06/03/93	0	1	
ALPO0124	No	00406	PH, FIELD, STANDARD UNITS SU	06/14/93-06/06/94	0	2	
ALPO0125	No	00406	PH, FIELD, STANDARD UNITS SU	06/02/93-04/06/95	1	4	
ALPO0126	No	00406	PH, FIELD, STANDARD UNITS SU	06/02/93-06/01/94	0	2	
ALPO0127	No	00406	PH, FIELD, STANDARD UNITS SU	06/29/93-06/29/93	0	1	
ALPO0128	No	00406	PH, FIELD, STANDARD UNITS SU	06/02/93-06/01/94	0	2	
ALPO0129	No	00406	PH, FIELD, STANDARD UNITS SU	06/29/93-03/07/95	1	4	
ALPO0131	No	00406	PH, FIELD, STANDARD UNITS SU	06/09/93-06/09/93	0	1	
ALPO0132	No	00406	PH, FIELD, STANDARD UNITS SU	06/30/93-03/07/95	1	4	
ALPO0133	No	00406	PH, FIELD, STANDARD UNITS SU	06/29/93-03/07/95	1	4	
ALPO0134	No	00406	PH, FIELD, STANDARD UNITS SU	07/27/94-04/04/95	0	3	
ALPO0135	No	00406	PH, FIELD, STANDARD UNITS SU	06/07/93-10/13/94	1	4	
ALPO0136	No	00406	PH, FIELD, STANDARD UNITS SU	06/06/94-06/06/94	0	1	
ALPO0137	No	00406	PH, FIELD, STANDARD UNITS SU	06/07/93-10/13/94	1	4	
ALPO0138	No	00406	PH, FIELD, STANDARD UNITS SU	06/07/93-06/07/93	0	1	
ALPO0139	No	00406	PH, FIELD, STANDARD UNITS SU	06/29/93-06/29/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0140	No	00406	PH, FIELD, STANDARD UNITS SU	06/29/93-06/29/93	0	1	
ALPO0141	No	00406	PH, FIELD, STANDARD UNITS SU	06/29/93-06/29/93	0	1	
ALPO0142	No	00406	PH, FIELD, STANDARD UNITS SU	08/05/92-04/06/95	2	8	
ALPO0143	No	00406	PH, FIELD, STANDARD UNITS SU	11/30/92-11/30/92	0	1	
ALPO0144	No	00406	PH, FIELD, STANDARD UNITS SU	11/30/92-11/30/92	0	1	
ALPO0145	No	00406	PH, FIELD, STANDARD UNITS SU	06/16/94-04/06/95	0	2	
ALPO0146	No	00406	PH, FIELD, STANDARD UNITS SU	06/07/93-10/13/94	1	3	
ALPO0147	No	00406	PH, FIELD, STANDARD UNITS SU	06/14/93-06/14/93	0	1	
ALPO0148	No	00406	PH, FIELD, STANDARD UNITS SU	06/14/93-06/14/93	0	1	
ALPO0149	No	00406	PH, FIELD, STANDARD UNITS SU	06/14/93-04/06/95	1	3	
ALPO0150	No	00406	PH, FIELD, STANDARD UNITS SU	06/14/93-06/14/93	0	1	
ALPO0151	No	00406	PH, FIELD, STANDARD UNITS SU	07/27/94-12/15/94	0	2	
ALPO0152	No	00406	PH, FIELD, STANDARD UNITS SU	11/28/92-05/31/94	1	6	
ALPO0153	No	00406	PH, FIELD, STANDARD UNITS SU	01/28/93-05/31/94	1	4	
ALPO0154	No	00406	PH, FIELD, STANDARD UNITS SU	06/29/93-06/29/93	0	1	
ALPO0155	No	00406	PH, FIELD, STANDARD UNITS SU	12/22/92-11/06/93	0	4	
ALPO0156	No	00406	PH, FIELD, STANDARD UNITS SU	06/29/93-06/29/93	0	1	
ALPO0157	No	00406	PH, FIELD, STANDARD UNITS SU	06/14/93-03/16/95	1	4	
ALPO0158	No	00406	PH, FIELD, STANDARD UNITS SU	06/14/93-06/14/93	0	1	
ALPO0159	No	00406	PH, FIELD, STANDARD UNITS SU	06/14/93-06/14/93	0	1	
ALPO0160	No	00406	PH, FIELD, STANDARD UNITS SU	08/18/93-03/07/95	1	4	
ALPO0161	No	00406	PH, FIELD, STANDARD UNITS SU	08/18/93-03/13/95	1	4	
ALPO0162	No	00406	PH, FIELD, STANDARD UNITS SU	08/18/93-03/13/95	1	4	
ALPO0163	No	00406	PH, FIELD, STANDARD UNITS SU	05/07/86-07/07/87	1	13	
ALPO0164	No	00406	PH, FIELD, STANDARD UNITS SU	08/01/94-08/01/94	0	1	
ALPO0166	No	00406	PH, FIELD, STANDARD UNITS SU	08/01/94-08/01/94	0	1	
ALPO0168	No	00406	PH, FIELD, STANDARD UNITS SU	06/29/93-06/29/93	0	1	
ALPO0169	No	00406	PH, FIELD, STANDARD UNITS SU	07/27/93-07/27/93	0	1	
ALPO0170	No	00406	PH, FIELD, STANDARD UNITS SU	06/28/93-05/25/94	0	2	
ALPO0171	No	00406	PH, FIELD, STANDARD UNITS SU	06/28/93-05/23/95	1	4	
ALPO0172	No	00406	PH, FIELD, STANDARD UNITS SU	06/28/93-05/25/94	0	2	
ALPO0173	No	00406	PH, FIELD, STANDARD UNITS SU	07/28/93-10/19/94	1	3	
ALPO0174	No	00406	PH, FIELD, STANDARD UNITS SU	07/28/93-12/15/94	1	3	
ALPO0175	No	00406	PH, FIELD, STANDARD UNITS SU	08/01/94-08/01/94	0	1	
ALPO0176	No	00406	PH, FIELD, STANDARD UNITS SU	07/28/93-05/16/95	1	4	
ALPO0177	No	00406	PH, FIELD, STANDARD UNITS SU	05/07/86-07/07/87	1	13	
ALPO0178	No	00406	PH, FIELD, STANDARD UNITS SU	06/25/86-07/07/87	1	6	
ALPO0179	No	00406	PH, FIELD, STANDARD UNITS SU	07/12/93-07/12/93	0	1	
ALPO0180	No	00406	PH, FIELD, STANDARD UNITS SU	08/05/93-08/05/93	0	1	
ALPO0181	No	00406	PH, FIELD, STANDARD UNITS SU	08/12/93-06/06/94	0	2	
ALPO0182	No	00406	PH, FIELD, STANDARD UNITS SU	08/12/93-06/06/94	0	2	
ALPO0183	No	00406	PH, FIELD, STANDARD UNITS SU	08/12/93-06/05/94	0	2	
ALPO0184	No	00406	PH, FIELD, STANDARD UNITS SU	08/12/93-08/12/93	0	1	
ALPO0185	No	00406	PH, FIELD, STANDARD UNITS SU	08/12/93-08/12/93	0	1	
ALPO0186	No	00406	PH, FIELD, STANDARD UNITS SU	06/07/94-04/11/95	0	2	
ALPO0187	No	00406	PH, FIELD, STANDARD UNITS SU	08/12/93-08/12/93	0	1	
ALPO0188	No	00406	PH, FIELD, STANDARD UNITS SU	08/12/93-08/12/93	0	1	
ALPO0189	No	00406	PH, FIELD, STANDARD UNITS SU	08/15/93-06/05/94	0	2	
ALPO0190	No	00406	PH, FIELD, STANDARD UNITS SU	06/24/93-03/07/95	1	2	
ALPO0191	No	00406	PH, FIELD, STANDARD UNITS SU	06/24/93-06/24/93	0	1	
ALPO0192	No	00406	PH, FIELD, STANDARD UNITS SU	06/22/93-03/15/95	1	3	
ALPO0193	No	00406	PH, FIELD, STANDARD UNITS SU	06/22/93-06/08/94	0	2	
ALPO0194	No	00406	PH, FIELD, STANDARD UNITS SU	06/29/93-06/29/93	0	1	
ALPO0195	No	00406	PH, FIELD, STANDARD UNITS SU	06/14/93-06/14/93	0	1	
ALPO0196	No	00406	PH, FIELD, STANDARD UNITS SU	07/28/93-10/03/94	1	3	
ALPO0197	No	00406	PH, FIELD, STANDARD UNITS SU	05/25/94-05/25/94	0	1	
ALPO0198	No	00406	PH, FIELD, STANDARD UNITS SU	08/04/93-09/29/94	1	3	
ALPO0200	No	00406	PH, FIELD, STANDARD UNITS SU	05/25/94-05/25/94	0	1	
ALPO0201	No	00406	PH, FIELD, STANDARD UNITS SU	08/04/93-09/29/94	1	3	
ALPO0204	No	00406	PH, FIELD, STANDARD UNITS SU	05/25/94-05/25/94	0	1	
ALPO0205	No	00406	PH, FIELD, STANDARD UNITS SU	06/24/93-06/24/93	0	1	
ALPO0206	No	00406	PH, FIELD, STANDARD UNITS SU	06/15/93-06/15/93	0	1	
ALPO0207	No	00406	PH, FIELD, STANDARD UNITS SU	08/05/93-08/05/93	0	1	
ALPO0208	No	00406	PH, FIELD, STANDARD UNITS SU	06/15/93-06/15/93	0	1	
ALPO0209	No	00406	PH, FIELD, STANDARD UNITS SU	08/16/93-04/11/95	1	4	
ALPO0210	No	00406	PH, FIELD, STANDARD UNITS SU	07/26/93-07/26/93	0	1	
ALPO0211	No	00406	PH, FIELD, STANDARD UNITS SU	08/16/93-04/11/95	1	4	
ALPO0212	No	00406	PH, FIELD, STANDARD UNITS SU	08/05/93-08/05/93	0	1	
ALPO0213	No	00406	PH, FIELD, STANDARD UNITS SU	07/26/93-07/26/93	0	1	
ALPO0214	No	00406	PH, FIELD, STANDARD UNITS SU	08/16/93-08/16/93	0	1	
ALPO0215	No	00406	PH, FIELD, STANDARD UNITS SU	06/15/93-06/15/93	0	1	
ALPO0216	No	00406	PH, FIELD, STANDARD UNITS SU	06/15/93-06/15/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0217	No	00406	PH, FIELD, STANDARD UNITS SU	06/15/93-06/15/93	0	1	
ALPO0218	No	00406	PH, FIELD, STANDARD UNITS SU	08/04/93-09/29/94	1	3	
ALPO0219	No	00406	PH, FIELD, STANDARD UNITS SU	08/04/93-05/23/94	0	2	
ALPO0220	No	00406	PH, FIELD, STANDARD UNITS SU	08/04/93-05/23/94	0	2	
ALPO0221	No	00406	PH, FIELD, STANDARD UNITS SU	06/17/93-06/17/93	0	1	
ALPO0222	No	00406	PH, FIELD, STANDARD UNITS SU	07/12/93-05/23/95	1	4	
ALPO0223	No	00406	PH, FIELD, STANDARD UNITS SU	07/12/93-05/23/95	1	4	
ALPO0224	No	00406	PH, FIELD, STANDARD UNITS SU	07/12/93-05/23/94	0	3	
ALPO0225	No	00406	PH, FIELD, STANDARD UNITS SU	07/22/86-07/07/87	0	3	
ALPO0226	No	00406	PH, FIELD, STANDARD UNITS SU	07/12/93-05/24/94	0	2	
ALPO0227	No	00406	PH, FIELD, STANDARD UNITS SU	07/12/93-12/15/94	1	3	
ALPO0228	No	00406	PH, FIELD, STANDARD UNITS SU	07/01/94-07/01/94	0	1	
ALPO0229	No	00406	PH, FIELD, STANDARD UNITS SU	05/07/86-07/07/87	1	13	
ALPO0230	No	00406	PH, FIELD, STANDARD UNITS SU	07/12/93-05/24/94	0	2	
ALPO0232	No	00406	PH, FIELD, STANDARD UNITS SU	06/17/93-06/17/93	0	1	
ALPO0233	No	00406	PH, FIELD, STANDARD UNITS SU	06/25/86-06/02/87	0	5	
ALPO0234	No	00406	PH, FIELD, STANDARD UNITS SU	08/10/94-08/10/94	0	1	
ALPO0235	No	00406	PH, FIELD, STANDARD UNITS SU	05/07/86-07/07/87	1	13	
ALPO0236	No	00406	PH, FIELD, STANDARD UNITS SU	08/16/93-08/16/93	0	1	
ALPO0237	No	00406	PH, FIELD, STANDARD UNITS SU	08/16/93-08/16/93	0	1	
ALPO0238	No	00406	PH, FIELD, STANDARD UNITS SU	05/07/86-07/07/87	1	13	
ALPO0240	No	00406	PH, FIELD, STANDARD UNITS SU	08/16/93-05/17/95	1	4	
ALPO0241	No	00406	PH, FIELD, STANDARD UNITS SU	08/16/93-08/16/93	0	1	
ALPO0242	No	00406	PH, FIELD, STANDARD UNITS SU	08/16/93-09/24/94	1	3	
ALPO0243	No	00406	PH, FIELD, STANDARD UNITS SU	08/16/93-08/16/93	0	1	
ALPO0244	No	00406	PH, FIELD, STANDARD UNITS SU	06/20/94-09/23/94	0	2	
ALPO0245	No	00406	PH, FIELD, STANDARD UNITS SU	06/20/94-06/20/94	0	1	
ALPO0246	No	00406	PH, FIELD, STANDARD UNITS SU	07/26/94-10/05/94	0	3	
ALPO0247	No	00406	PH, FIELD, STANDARD UNITS SU	06/20/94-06/20/94	0	1	
ALPO0248	No	00406	PH, FIELD, STANDARD UNITS SU	06/09/94-06/09/94	0	1	
ALPO0249	No	00406	PH, FIELD, STANDARD UNITS SU	08/16/93-08/16/93	0	1	
ALPO0250	No	00406	PH, FIELD, STANDARD UNITS SU	12/21/93-12/21/93	0	1	
ALPO0251	No	00406	PH, FIELD, STANDARD UNITS SU	06/09/94-06/09/94	0	1	
ALPO0253	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/16/93-08/16/93	0	1	
ALPO0254	Yes	00406	PH, FIELD, STANDARD UNITS SU	05/07/86-07/07/87	1	13	
ALPO0255	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/16/93-08/16/93	0	1	
ALPO0256	No	00406	PH, FIELD, STANDARD UNITS SU	07/26/94-05/18/95	0	4	
ALPO0257	No	00406	PH, FIELD, STANDARD UNITS SU	07/26/94-05/18/95	0	4	
ALPO0258	No	00406	PH, FIELD, STANDARD UNITS SU	07/26/94-05/18/95	0	4	
ALPO0260	No	00406	PH, FIELD, STANDARD UNITS SU	07/26/93-07/26/93	0	1	
ALPO0261	No	00406	PH, FIELD, STANDARD UNITS SU	07/26/94-05/18/95	0	3	
ALPO0263	No	00406	PH, FIELD, STANDARD UNITS SU	08/16/93-08/16/93	0	1	
ALPO0264	No	00406	PH, FIELD, STANDARD UNITS SU	07/26/94-10/11/94	0	3	
ALPO0265	No	00406	PH, FIELD, STANDARD UNITS SU	08/16/93-11/22/94	1	3	
ALPO0268	No	00406	PH, FIELD, STANDARD UNITS SU	08/02/94-11/22/94	0	2	
ALPO0271	No	00406	PH, FIELD, STANDARD UNITS SU	08/02/94-11/22/94	0	2	
ALPO0272	No	00406	PH, FIELD, STANDARD UNITS SU	08/25/94-08/25/94	0	1	
ALPO0274	No	00406	PH, FIELD, STANDARD UNITS SU	08/25/94-08/25/94	0	1	
ALPO0276	No	00406	PH, FIELD, STANDARD UNITS SU	08/03/94-11/20/94	0	2	
ALPO0277	No	00406	PH, FIELD, STANDARD UNITS SU	07/26/94-05/24/95	0	3	
ALPO0279	No	00406	PH, FIELD, STANDARD UNITS SU	07/26/94-12/29/94	0	2	
ALPO0280	No	00406	PH, FIELD, STANDARD UNITS SU	07/29/92-07/29/92	0	1	
ALPO0284	No	00406	PH, FIELD, STANDARD UNITS SU	08/10/94-08/10/94	0	1	
ALPO0285	No	00406	PH, FIELD, STANDARD UNITS SU	07/29/92-07/06/93	0	4	
ALPO0286	No	00406	PH, FIELD, STANDARD UNITS SU	07/27/94-03/19/95	0	3	
ALPO0287	No	00406	PH, FIELD, STANDARD UNITS SU	07/29/92-07/06/93	0	4	
ALPO0288	No	00406	PH, FIELD, STANDARD UNITS SU	07/28/94-03/19/95	0	3	
ALPO0289	No	00406	PH, FIELD, STANDARD UNITS SU	07/28/94-03/19/95	0	2	
ALPO0290	No	00406	PH, FIELD, STANDARD UNITS SU	07/29/92-07/29/92	0	1	
ALPO0291	No	00406	PH, FIELD, STANDARD UNITS SU	11/09/92-11/09/92	0	1	
ALPO0292	No	00406	PH, FIELD, STANDARD UNITS SU	07/28/94-03/19/95	0	3	
ALPO0293	No	00406	PH, FIELD, STANDARD UNITS SU	07/27/94-03/19/95	0	3	
ALPO0294	No	00406	PH, FIELD, STANDARD UNITS SU	07/28/94-03/19/95	0	3	
ALPO0295	No	00406	PH, FIELD, STANDARD UNITS SU	07/28/94-03/19/95	0	3	
ALPO0297	No	00406	PH, FIELD, STANDARD UNITS SU	07/28/94-03/19/95	0	3	
ALPO0298	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/28/94-09/20/94	0	2	
ALPO0299	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/28/94-09/20/94	0	2	
ALPO0300	No	00406	PH, FIELD, STANDARD UNITS SU	07/28/94-03/19/95	0	3	
ALPO0301	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/28/94-05/24/95	0	3	
ALPO0302	No	00406	PH, FIELD, STANDARD UNITS SU	08/03/92-08/03/92	0	1	
ALPO0303	No	00406	PH, FIELD, STANDARD UNITS SU	11/09/92-11/09/92	0	1	
ALPO0304	No	00406	PH, FIELD, STANDARD UNITS SU	07/28/94-05/24/95	0	3	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0305	No	00406	PH, FIELD, STANDARD UNITS SU	11/09/92-11/09/92	0	1	
ALPO0306	No	00406	PH, FIELD, STANDARD UNITS SU	08/03/92-08/03/92	0	1	
ALPO0307	No	00406	PH, FIELD, STANDARD UNITS SU	08/10/94-08/10/94	0	1	
ALPO0308	No	00406	PH, FIELD, STANDARD UNITS SU	07/19/94-12/06/94	0	2	
ALPO0310	No	00406	PH, FIELD, STANDARD UNITS SU	07/19/94-12/06/94	0	2	
ALPO0313	No	00406	PH, FIELD, STANDARD UNITS SU	08/03/92-08/03/92	0	1	
ALPO0314	No	00406	PH, FIELD, STANDARD UNITS SU	07/29/92-07/06/93	0	3	
ALPO0315	No	00406	PH, FIELD, STANDARD UNITS SU	11/23/92-11/23/92	0	1	
ALPO0316	No	00406	PH, FIELD, STANDARD UNITS SU	07/20/94-07/20/94	0	1	
ALPO0319	No	00406	PH, FIELD, STANDARD UNITS SU	07/20/94-12/06/94	0	2	
ALPO0324	No	00406	PH, FIELD, STANDARD UNITS SU	07/29/92-07/06/93	0	3	
ALPO0325	No	00406	PH, FIELD, STANDARD UNITS SU	07/20/94-12/01/94	0	2	
ALPO0337	No	00406	PH, FIELD, STANDARD UNITS SU	08/22/94-08/22/94	0	1	
ALPO0338	No	00406	PH, FIELD, STANDARD UNITS SU	08/11/94-11/16/94	0	2	
ALPO0347	No	00406	PH, FIELD, STANDARD UNITS SU	05/28/94-05/28/94	0	1	
ALPO0355	No	00406	PH, FIELD, STANDARD UNITS SU	08/11/94-01/11/95	0	2	
ALPO0360	No	00406	PH, FIELD, STANDARD UNITS SU	08/25/94-08/25/94	0	1	
ALPO0361	No	00406	PH, FIELD, STANDARD UNITS SU	10/23/93-01/25/96	2	3	
ALPO0362	No	00406	PH, FIELD, STANDARD UNITS SU	07/28/92-01/25/96	3	7	
ALPO0363	No	00406	PH, FIELD, STANDARD UNITS SU	10/23/93-01/25/96	2	3	
ALPO0364	No	00406	PH, FIELD, STANDARD UNITS SU	07/13/93-11/14/94	1	3	
ALPO0365	No	00406	PH, FIELD, STANDARD UNITS SU	10/23/93-09/30/95	1	4	
ALPO0366	No	00406	PH, FIELD, STANDARD UNITS SU	09/30/92-04/20/95	2	5	
ALPO0367	No	00406	PH, FIELD, STANDARD UNITS SU	07/13/93-09/30/95	2	5	
ALPO0368	No	00406	PH, FIELD, STANDARD UNITS SU	11/15/94-04/12/95	0	2	
ALPO0369	No	00406	PH, FIELD, STANDARD UNITS SU	02/05/94-01/24/96	1	4	
ALPO0370	No	00406	PH, FIELD, STANDARD UNITS SU	02/05/94-01/24/96	1	4	
ALPO0371	No	00406	PH, FIELD, STANDARD UNITS SU	11/15/94-11/15/94	0	1	
ALPO0372	No	00406	PH, FIELD, STANDARD UNITS SU	02/05/94-01/24/96	1	6	
ALPO0373	No	00406	PH, FIELD, STANDARD UNITS SU	02/05/94-08/29/95	1	3	
ALPO0374	No	00406	PH, FIELD, STANDARD UNITS SU	07/15/93-10/01/95	2	4	
ALPO0375	No	00406	PH, FIELD, STANDARD UNITS SU	02/05/94-01/24/96	1	6	
ALPO0376	No	00406	PH, FIELD, STANDARD UNITS SU	02/05/94-01/24/96	1	5	
ALPO0377	No	00406	PH, FIELD, STANDARD UNITS SU	07/15/93-01/25/96	2	6	
ALPO0378	No	00406	PH, FIELD, STANDARD UNITS SU	07/28/92-12/20/94	2	4	
ALPO0379	No	00406	PH, FIELD, STANDARD UNITS SU	09/30/92-12/20/94	2	4	
ALPO0380	No	00406	PH, FIELD, STANDARD UNITS SU	07/15/93-07/15/93	0	1	
ALPO0381	No	00406	PH, FIELD, STANDARD UNITS SU	07/15/93-07/15/93	0	1	
ALPO0130	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/14/86-05/04/86	0	2	
ALPO0203	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/14/86-05/04/86	0	2	
ALPO0275	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/14/86-05/04/86	0	2	
ALPO0281	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/14/86-05/04/86	0	2	
ALPO0003	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/21/93-07/21/93	0	1	
ALPO0004	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/23/87-08/15/96	9	21	
ALPO0005	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/13/66-04/30/68	1	4	
ALPO0007	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/08/79-04/03/81	1	5	
ALPO0010	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/09/87-11/06/96	9	22	
ALPO0011	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/08/79-08/13/81	2	5	
ALPO0012	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/08/79-08/21/80	1	3	
ALPO0014	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/08/79-08/21/80	1	3	
ALPO0016	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/22/87-09/06/96	9	22	
ALPO0017	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/02/72-10/02/72	0	1	
ALPO0018	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/08/87-10/31/96	9	22	
ALPO0021	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/08/87-09/06/96	9	22	
ALPO0022	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/08/87-10/31/96	9	16	
ALPO0026	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/70-06/03/70	0	1	
ALPO0027	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/70-12/21/76	6	2	
ALPO0029	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/70-06/03/70	0	1	
ALPO0030	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/70-06/03/70	0	1	
ALPO0031	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	0	1	
ALPO0032	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	0	1	
ALPO0033	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	0	1	
ALPO0034	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/72-07/26/72	0	1	
ALPO0035	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/01/94-08/01/94	0	1	
ALPO0036	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/72-07/26/72	0	1	
ALPO0037	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	0	1	
ALPO0038	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	0	1	
ALPO0039	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/92-06/02/93	1	5	
ALPO0040	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/93-04/03/96	2	4	
ALPO0041	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/92-06/02/93	1	6	
ALPO0042	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/93-04/03/96	2	4	
ALPO0043	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0044	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/93-06/13/94	0	2	
ALPO0045	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/94-04/03/96	1	2	
ALPO0046	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/96-04/03/96	0	1	
ALPO0047	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/09/92-06/02/93	0	5	
ALPO0048	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	0	1	
ALPO0049	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	0	1	
ALPO0050	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/23/72-10/23/72	0	1	
ALPO0051	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/06/92-10/15/92	0	2	
ALPO0052	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	0	1	
ALPO0053	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	0	1	
ALPO0054	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	0	1	
ALPO0055	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/10/92-06/10/92	0	1	
ALPO0056	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	0	1	
ALPO0057	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	0	1	
ALPO0058	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-04/04/96	1	2	
ALPO0059	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/92-04/04/96	3	5	
ALPO0060	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	0	1	
ALPO0061	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	0	1	
ALPO0062	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-04/04/96	1	3	
ALPO0063	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	0	1	
ALPO0064	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	0	1	
ALPO0065	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	0	1	
ALPO0066	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/92-06/03/93	1	6	
ALPO0067	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/06/93-03/06/93	0	1	
ALPO0068	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/92-06/03/93	1	6	
ALPO0069	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/06/93-03/06/93	0	1	
ALPO0070	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/92-11/06/93	1	3	
ALPO0071	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/92-06/03/93	1	5	
ALPO0072	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/92-06/03/93	1	5	
ALPO0073	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	0	1	
ALPO0074	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	0	1	
ALPO0075	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/09/92-06/03/93	0	4	
ALPO0076	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/72-12/03/72	0	3	
ALPO0077	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	0	1	
ALPO0078	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/09/92-06/09/92	0	1	
ALPO0079	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/72-12/03/72	0	3	
ALPO0080	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/09/92-06/09/92	0	1	
ALPO0081	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/08/94-04/04/95	0	4	
ALPO0082	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/08/93-06/08/93	0	1	
ALPO0083	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/22/94-09/22/94	0	1	
ALPO0084	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/08/93-06/08/93	0	1	
ALPO0085	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	0	1	
ALPO0086	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
ALPO0087	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	0	1	
ALPO0088	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	0	1	
ALPO0089	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
ALPO0090	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
ALPO0091	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/93-02/01/95	1	4	
ALPO0092	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
ALPO0093	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/93-02/01/95	1	4	
ALPO0094	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/08/93-06/08/93	0	1	
ALPO0095	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/92-07/27/92	0	1	
ALPO0096	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/92-07/27/92	0	1	
ALPO0097	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-06/01/94	0	2	
ALPO0098	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/09/93-02/01/95	1	2	
ALPO0099	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	0	1	
ALPO0100	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/93-12/08/94	1	3	
ALPO0101	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/13/93-04/06/95	1	4	
ALPO0102	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	0	1	
ALPO0103	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-11/29/94	1	3	
ALPO0104	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/01/94-03/14/95	0	3	
ALPO0105	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	0	1	
ALPO0106	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/01/94-10/13/94	0	2	
ALPO0107	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/01/94-10/13/94	0	2	
ALPO0108	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	0	1	
ALPO0109	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	0	1	
ALPO0110	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/01/93-03/14/95	1	4	
ALPO0111	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/01/94-12/08/94	0	2	
ALPO0112	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	0	1	
ALPO0113	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/31/94-05/31/94	0	1	
ALPO0114	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	0	1	
ALPO0115	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/93-06/03/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0116	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/01/94-06/01/94	0	1	
ALPO0117	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/06/93-07/06/93	0	1	
ALPO0118	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/01/94-03/14/95	0	3	
ALPO0119	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/06/93-07/06/93	0	1	
ALPO0120	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/93-11/29/94	1	2	
ALPO0121	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/93-06/03/93	0	1	
ALPO0122	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/06/93-06/01/94	0	2	
ALPO0123	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/93-06/03/93	0	1	
ALPO0124	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/06/94	0	2	
ALPO0125	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/93-04/06/95	1	4	
ALPO0126	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/93-06/01/94	0	2	
ALPO0127	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	0	1	
ALPO0128	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/93-06/01/94	0	2	
ALPO0129	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/93-03/07/95	1	4	
ALPO0131	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/09/93-06/09/93	0	1	
ALPO0132	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/93-03/07/95	1	4	
ALPO0133	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/93-03/07/95	1	4	
ALPO0134	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/94-04/04/95	0	3	
ALPO0135	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-10/13/94	1	4	
ALPO0136	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/06/94-06/06/94	0	1	
ALPO0137	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-10/13/94	1	4	
ALPO0138	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	0	1	
ALPO0139	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	0	1	
ALPO0140	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	0	1	
ALPO0141	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	0	1	
ALPO0142	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/05/92-04/06/95	2	8	
ALPO0143	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/30/92-11/30/92	0	1	
ALPO0144	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/30/92-11/30/92	0	1	
ALPO0145	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/16/94-04/06/95	0	2	
ALPO0146	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-10/13/94	1	4	
ALPO0147	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
ALPO0148	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
ALPO0149	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-04/06/95	1	3	
ALPO0150	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
ALPO0151	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/94-12/15/94	0	2	
ALPO0152	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/28/92-05/31/94	1	6	
ALPO0153	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/93-05/31/94	1	4	
ALPO0154	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	0	1	
ALPO0155	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/22/92-11/06/93	0	4	
ALPO0156	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	0	1	
ALPO0157	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-03/16/95	1	4	
ALPO0158	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
ALPO0159	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
ALPO0160	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/18/93-03/07/95	1	4	
ALPO0161	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/18/93-03/13/95	1	4	
ALPO0162	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/18/93-03/13/95	1	4	
ALPO0164	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/01/94-08/01/94	0	1	
ALPO0166	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/01/94-08/01/94	0	1	
ALPO0168	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	0	1	
ALPO0169	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/93-07/27/93	0	1	
ALPO0170	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/93-05/25/94	0	2	
ALPO0171	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/93-05/23/95	1	4	
ALPO0172	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/93-05/25/94	0	2	
ALPO0173	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/93-10/19/94	1	3	
ALPO0174	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/93-12/15/94	1	3	
ALPO0175	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/01/94-08/01/94	0	1	
ALPO0176	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/93-05/16/95	1	4	
ALPO0179	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/93-07/12/93	0	1	
ALPO0180	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/05/93-08/05/93	0	1	
ALPO0181	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/93-06/06/94	0	2	
ALPO0182	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/93-06/06/94	0	2	
ALPO0183	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/93-06/05/94	0	2	
ALPO0184	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/93-08/12/93	0	1	
ALPO0185	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/93-08/12/93	0	1	
ALPO0186	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/94-04/11/95	0	2	
ALPO0187	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/93-08/12/93	0	1	
ALPO0188	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/93-08/12/93	0	1	
ALPO0189	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/93-06/05/94	0	2	
ALPO0190	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/93-06/13/95	1	3	
ALPO0191	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/93-06/24/93	0	1	
ALPO0192	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/22/93-03/15/95	1	3	
ALPO0193	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/22/93-06/08/94	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0194	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	0	1	
ALPO0195	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
ALPO0196	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/93-10/03/94	1	3	
ALPO0197	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/94-05/25/94	0	1	
ALPO0198	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/04/93-09/29/94	1	3	
ALPO0199	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/06/79-04/01/81	1	5	
ALPO0200	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/94-05/25/94	0	1	
ALPO0201	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/04/93-09/29/94	1	3	
ALPO0202	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/21/93-12/21/93	0	1	
ALPO0204	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/94-05/25/94	0	1	
ALPO0205	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/93-06/24/93	0	1	
ALPO0206	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/93-06/15/93	0	1	
ALPO0207	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/05/93-08/05/93	0	1	
ALPO0208	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/93-06/15/93	0	1	
ALPO0209	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-04/11/95	1	4	
ALPO0210	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/93-07/26/93	0	1	
ALPO0211	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-04/11/95	1	4	
ALPO0212	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/05/93-08/05/93	0	1	
ALPO0213	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/93-07/26/93	0	1	
ALPO0214	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	0	1	
ALPO0215	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/93-06/15/93	0	1	
ALPO0216	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/93-06/15/93	0	1	
ALPO0217	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/93-06/15/93	0	1	
ALPO0218	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/04/93-09/29/94	1	3	
ALPO0219	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/04/93-05/23/94	0	2	
ALPO0220	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/04/93-05/23/94	0	2	
ALPO0221	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/17/93-06/17/93	0	1	
ALPO0222	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/93-05/23/95	1	4	
ALPO0223	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/93-05/23/95	1	4	
ALPO0224	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/93-05/23/94	0	3	
ALPO0226	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/93-05/24/94	0	2	
ALPO0227	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/93-12/15/94	1	3	
ALPO0228	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/01/94-07/01/94	0	1	
ALPO0230	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/93-05/24/94	0	2	
ALPO0232	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/17/93-06/17/93	0	1	
ALPO0234	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/94-08/10/94	0	1	
ALPO0236	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	0	1	
ALPO0237	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	0	1	
ALPO0239	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/30/93-08/30/93	0	1	
ALPO0240	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-05/17/95	1	4	
ALPO0241	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	0	1	
ALPO0242	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-09/24/94	1	3	
ALPO0243	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	0	1	
ALPO0244	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/20/94-09/23/94	0	2	
ALPO0245	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/20/94-06/20/94	0	1	
ALPO0246	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/94-10/05/94	0	3	
ALPO0247	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/20/94-06/20/94	0	1	
ALPO0248	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/21/93-06/09/94	0	2	
ALPO0249	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	0	1	
ALPO0250	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/21/93-12/21/93	0	1	
ALPO0251	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/21/93-06/09/94	0	2	
ALPO0252	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/21/93-12/21/93	0	1	
ALPO0253	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	0	1	
ALPO0255	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	0	1	
ALPO0256	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/94-05/18/95	0	4	
ALPO0257	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/94-05/18/95	0	4	
ALPO0258	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/94-05/18/95	0	4	
ALPO0259	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/26/72-03/14/74	1	9	
ALPO0260	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/93-07/26/93	0	1	
ALPO0261	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/94-05/18/95	0	3	
ALPO0262	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/06/79-08/20/80	1	3	
ALPO0263	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	0	1	
ALPO0264	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/94-10/11/94	0	3	
ALPO0265	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-11/22/94	1	3	
ALPO0268	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/02/94-11/22/94	0	2	
ALPO0271	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/02/94-11/22/94	0	2	
ALPO0272	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/25/94-08/25/94	0	1	
ALPO0273	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/02/94-08/02/94	0	1	
ALPO0274	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/25/94-08/25/94	0	1	
ALPO0276	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/94-11/20/94	0	2	
ALPO0277	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/94-05/24/95	0	3	
ALPO0278	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/93-07/12/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0279	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/94-12/29/94	0	2	
ALPO0280	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/92-07/29/92	0	1	
ALPO0282	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/06/79-05/24/94	14	5	
ALPO0283	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/13/93-07/13/93	0	1	
ALPO0284	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/94-08/10/94	0	1	
ALPO0285	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/92-10/16/93	1	5	
ALPO0286	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/94-03/19/95	0	3	
ALPO0287	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/92-10/19/93	1	5	
ALPO0288	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	0	3	
ALPO0289	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	0	2	
ALPO0290	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/92-07/29/92	0	1	
ALPO0291	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/09/92-11/09/92	0	1	
ALPO0292	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	0	3	
ALPO0293	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/94-03/19/95	0	3	
ALPO0294	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	0	3	
ALPO0295	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	0	3	
ALPO0297	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	0	3	
ALPO0298	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/94-09/20/94	0	2	
ALPO0299	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/94-09/20/94	0	2	
ALPO0300	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	0	3	
ALPO0301	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/94-05/24/95	0	3	
ALPO0302	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/92-08/03/92	0	1	
ALPO0303	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/09/92-11/09/92	0	1	
ALPO0304	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/94-05/24/95	0	3	
ALPO0305	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/09/92-11/09/92	0	1	
ALPO0306	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/92-08/03/92	0	1	
ALPO0307	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/94-08/10/94	0	1	
ALPO0308	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/94-12/06/94	0	2	
ALPO0310	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/94-12/06/94	0	2	
ALPO0311	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/15/93-04/19/94	0	2	
ALPO0312	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/15/93-07/15/93	0	1	
ALPO0313	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/92-10/16/93	1	2	
ALPO0314	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/92-10/16/93	1	4	
ALPO0315	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/23/92-11/23/92	0	1	
ALPO0316	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/94-07/20/94	0	1	
ALPO0317	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/13/93-07/13/93	0	1	
ALPO0318	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/15/77-07/15/77	0	1	
ALPO0319	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/94-12/06/94	0	2	
ALPO0320	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-11/21/94	0	2	
ALPO0321	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/07/94-07/07/94	0	1	
ALPO0324	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/92-10/16/93	1	4	
ALPO0325	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/94-12/01/94	0	2	
ALPO0326	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/15/67-09/15/67	0	1	
ALPO0327	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	0	1	
ALPO0328	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/93-05/24/94	0	2	
ALPO0329	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/93-05/24/94	0	2	
ALPO0330	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/29/65-09/29/65	0	1	
ALPO0331	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/14/93-07/14/93	0	1	
ALPO0332	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	0	1	
ALPO0333	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	0	1	
ALPO0334	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	36	164	T,S
ALPO0335	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/94-11/21/94	0	1	
ALPO0337	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/22/94-08/22/94	0	1	
ALPO0338	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/11/94-11/16/94	0	2	
ALPO0339	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/94-08/15/94	0	2	
ALPO0340	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/94-08/15/94	0	1	
ALPO0341	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/94-08/15/94	0	1	
ALPO0342	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/94-08/15/94	0	1	
ALPO0343	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/93-05/23/94	0	2	
ALPO0344	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/94-08/15/94	0	1	
ALPO0345	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/94-11/21/94	0	2	
ALPO0346	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/25/80-04/28/81	0	5	
ALPO0347	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/28/94-05/28/94	0	1	
ALPO0348	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	37	171	T,S
ALPO0349	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/94-08/15/94	0	1	
ALPO0350	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/07/26-04/11/76	49	11	
ALPO0351	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/12/59-08/14/96	36	17	
ALPO0352	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/30/80-04/28/81	0	4	
ALPO0354	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/94-08/15/94	0	1	
ALPO0355	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/11/94-06/14/95	0	3	
ALPO0356	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/05/79-08/20/80	1	4	
ALPO0357	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/94-11/21/94	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0358	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/25/80-04/28/81	0	5	
ALPO0359	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/06/79-05/23/94	14	8	
ALPO0360	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/25/94-08/25/94	0	1	
ALPO0361	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/23/93-01/25/96	2	3	
ALPO0362	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/92-01/25/96	3	7	
ALPO0363	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/23/93-05/05/95	1	2	
ALPO0364	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/13/93-11/14/94	1	3	
ALPO0365	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/23/93-09/30/95	1	4	
ALPO0366	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/30/92-04/20/95	2	5	
ALPO0367	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/13/93-09/30/95	2	6	
ALPO0368	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/15/94-04/12/95	0	2	
ALPO0369	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/05/94-01/24/96	1	5	
ALPO0370	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/05/94-01/24/96	1	4	
ALPO0371	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/15/94-11/15/94	0	1	
ALPO0372	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/05/94-01/24/96	1	6	
ALPO0373	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/05/94-08/29/95	1	3	
ALPO0374	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/15/93-10/01/95	2	4	
ALPO0375	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/05/94-01/24/96	1	6	
ALPO0376	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/05/94-01/24/96	1	5	
ALPO0377	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/15/93-01/25/96	2	6	
ALPO0378	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/92-12/20/94	2	4	
ALPO0379	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/30/92-12/20/94	2	4	
ALPO0380	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/15/93-07/15/93	0	1	
ALPO0381	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/15/93-07/15/93	0	1	
ALPO0008	Yes	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	06/25/97-06/25/97	0	1	
ALPO0009	Yes	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/15/96-03/07/97	0	3	
ALPO0013	Yes	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/15/96-06/25/97	1	4	
ALPO0015	Yes	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/15/96-05/15/96	0	1	
ALPO0019	Yes	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/15/96-06/25/97	1	5	
ALPO0020	Yes	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/15/96-06/25/97	1	5	
ALPO0023	Yes	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/15/96-06/25/97	1	4	
ALPO0024	Yes	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	03/07/97-03/07/97	0	1	
ALPO0025	Yes	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/15/96-05/15/96	0	1	
ALPO0028	Yes	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/15/96-06/25/97	1	5	
ALPO0296	Yes	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/15/96-05/15/96	0	1	
ALPO0309	Yes	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/15/96-05/23/96	0	2	
ALPO0163	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	05/29/86-07/07/87	1	12	
ALPO0165	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	07/22/86-07/22/86	0	1	
ALPO0177	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	05/29/86-07/07/87	1	12	
ALPO0178	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	11/18/86-07/07/87	0	4	
ALPO0225	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	07/22/86-07/07/87	0	3	
ALPO0229	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	05/29/86-07/07/87	1	12	
ALPO0233	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	11/18/86-06/02/87	0	3	
ALPO0235	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	05/29/86-07/07/87	1	12	
ALPO0238	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	05/29/86-07/07/87	1	12	
ALPO0254	Yes	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	05/29/86-07/07/87	1	12	
ALPO0007	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/14/79-08/13/81	1	5	
ALPO0011	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	04/01/80-04/01/80	0	1	
ALPO0012	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/14/79-08/13/81	1	5	
ALPO0014	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/14/79-08/13/81	1	5	
ALPO0017	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/02/72-10/02/72	0	1	
ALPO0031	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	0	1	
ALPO0032	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	0	1	
ALPO0033	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	0	1	
ALPO0034	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/72-07/26/72	0	1	
ALPO0035	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/01/94-08/01/94	0	1	
ALPO0036	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/72-07/26/72	0	1	
ALPO0037	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	0	1	
ALPO0038	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	0	1	
ALPO0039	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/02/92-06/02/93	1	5	
ALPO0040	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/03/93-04/03/96	2	4	
ALPO0041	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/02/92-06/02/93	1	6	
ALPO0042	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/03/93-04/03/96	2	4	
ALPO0043	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	0	1	
ALPO0044	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/03/93-06/13/94	0	2	
ALPO0045	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/01/94-04/03/96	1	2	
ALPO0046	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	04/03/96-04/03/96	0	1	
ALPO0047	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/09/92-06/02/93	0	5	
ALPO0048	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	0	1	
ALPO0049	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	0	1	
ALPO0050	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/23/72-10/23/72	0	1	
ALPO0051	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/06/92-10/15/92	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0052	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	0	1	
ALPO0053	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	0	1	
ALPO0054	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	0	1	
ALPO0055	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/10/92-06/10/92	0	1	
ALPO0056	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	0	1	
ALPO0057	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	0	1	
ALPO0058	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/94-04/04/96	1	2	
ALPO0059	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/27/92-04/04/96	3	5	
ALPO0060	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	0	1	
ALPO0061	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	0	1	
ALPO0062	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/94-04/04/96	1	3	
ALPO0063	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	0	1	
ALPO0064	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	0	1	
ALPO0065	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	0	1	
ALPO0066	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/02/92-06/03/93	1	6	
ALPO0067	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	03/06/93-03/06/93	0	1	
ALPO0068	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/02/92-06/03/93	1	6	
ALPO0069	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	03/06/93-03/06/93	0	1	
ALPO0070	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/02/92-11/06/93	1	3	
ALPO0071	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/02/92-06/03/93	1	5	
ALPO0072	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/02/92-06/03/93	1	5	
ALPO0073	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	0	1	
ALPO0074	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	0	1	
ALPO0075	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/09/92-06/03/93	0	4	
ALPO0076	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/17/72-12/03/72	0	3	
ALPO0077	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	0	1	
ALPO0078	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/09/92-06/09/92	0	1	
ALPO0079	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/17/72-12/03/72	0	3	
ALPO0080	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/09/92-06/09/92	0	1	
ALPO0081	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/08/94-04/04/95	0	4	
ALPO0082	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/08/93-06/08/93	0	1	
ALPO0083	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	09/22/94-09/22/94	0	1	
ALPO0084	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/08/93-06/08/93	0	1	
ALPO0085	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	0	1	
ALPO0086	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
ALPO0087	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	0	1	
ALPO0088	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	0	1	
ALPO0089	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
ALPO0090	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
ALPO0091	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/20/93-02/01/95	1	3	
ALPO0092	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
ALPO0093	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/20/93-02/01/95	1	3	
ALPO0094	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/08/93-06/08/93	0	1	
ALPO0095	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/27/92-07/27/92	0	1	
ALPO0096	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/27/92-07/27/92	0	1	
ALPO0097	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-06/01/94	0	2	
ALPO0098	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/09/93-02/01/95	1	2	
ALPO0099	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	0	1	
ALPO0100	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/30/93-12/08/94	1	3	
ALPO0101	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/13/93-04/06/95	1	4	
ALPO0102	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	0	1	
ALPO0103	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-11/29/94	1	3	
ALPO0104	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/01/94-03/14/95	0	3	
ALPO0105	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	0	1	
ALPO0106	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/01/94-10/13/94	0	2	
ALPO0107	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/01/94-10/13/94	0	2	
ALPO0108	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	0	1	
ALPO0109	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	0	1	
ALPO0110	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/01/93-03/14/95	1	4	
ALPO0111	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/01/94-12/08/94	0	2	
ALPO0112	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	0	1	
ALPO0113	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/31/94-05/31/94	0	1	
ALPO0114	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	0	1	
ALPO0115	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/03/93-06/03/93	0	1	
ALPO0116	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/01/94-06/01/94	0	1	
ALPO0117	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/06/93-07/06/93	0	1	
ALPO0118	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/01/94-03/14/95	0	3	
ALPO0119	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/06/93-07/06/93	0	1	
ALPO0120	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/03/93-11/29/94	1	2	
ALPO0121	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/03/93-06/03/93	0	1	
ALPO0122	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/06/93-06/01/94	0	2	
ALPO0123	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/03/93-06/03/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0124	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
ALPO0125	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/02/93-04/06/95	1	4	
ALPO0126	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/02/93-06/01/94	0	2	
ALPO0127	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	0	1	
ALPO0128	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/02/93-06/01/94	0	2	
ALPO0129	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/29/93-03/07/95	1	4	
ALPO0131	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/09/93-06/09/93	0	1	
ALPO0132	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/30/93-03/07/95	1	4	
ALPO0133	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/29/93-03/07/95	1	4	
ALPO0134	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/27/94-04/04/95	0	3	
ALPO0135	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-10/13/94	1	4	
ALPO0136	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/06/94-06/06/94	0	1	
ALPO0137	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-10/13/94	1	4	
ALPO0138	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	0	1	
ALPO0139	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	0	1	
ALPO0140	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	0	1	
ALPO0141	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	0	1	
ALPO0142	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/05/92-04/06/95	2	8	
ALPO0143	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/30/92-11/30/92	0	1	
ALPO0144	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/30/92-11/30/92	0	1	
ALPO0145	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/16/94-04/06/95	0	2	
ALPO0146	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-10/13/94	1	4	
ALPO0147	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
ALPO0148	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
ALPO0149	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-04/06/95	1	3	
ALPO0150	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
ALPO0151	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/27/94-12/15/94	0	2	
ALPO0152	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/28/92-05/31/94	1	6	
ALPO0153	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	01/28/93-05/31/94	1	4	
ALPO0154	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	0	1	
ALPO0155	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/22/92-11/06/93	0	4	
ALPO0156	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	0	1	
ALPO0157	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-03/16/95	1	4	
ALPO0158	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
ALPO0159	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
ALPO0160	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/18/93-03/07/95	1	4	
ALPO0161	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/18/93-03/13/95	1	4	
ALPO0162	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/18/93-03/13/95	1	4	
ALPO0164	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/01/94-08/01/94	0	1	
ALPO0166	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/01/94-08/01/94	0	1	
ALPO0168	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	0	1	
ALPO0169	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/27/93-07/27/93	0	1	
ALPO0170	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/28/93-05/25/94	0	2	
ALPO0171	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/28/93-05/23/95	1	4	
ALPO0172	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/28/93-05/25/94	0	2	
ALPO0173	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/93-10/19/94	1	3	
ALPO0174	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/93-12/15/94	1	3	
ALPO0175	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/01/94-08/01/94	0	1	
ALPO0176	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/93-05/16/95	1	4	
ALPO0179	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/12/93-07/12/93	0	1	
ALPO0180	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/05/93-08/05/93	0	1	
ALPO0181	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/12/93-06/06/94	0	2	
ALPO0182	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/12/93-06/06/94	0	2	
ALPO0183	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/12/93-06/05/94	0	2	
ALPO0184	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/12/93-08/12/93	0	1	
ALPO0185	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/12/93-08/12/93	0	1	
ALPO0186	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/94-04/11/95	0	2	
ALPO0187	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/12/93-08/12/93	0	1	
ALPO0188	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/12/93-08/12/93	0	1	
ALPO0189	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/15/93-06/05/94	0	2	
ALPO0190	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/24/93-06/13/95	1	3	
ALPO0191	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/24/93-06/24/93	0	1	
ALPO0192	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/22/93-03/15/95	1	2	
ALPO0193	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/22/93-06/22/93	0	1	
ALPO0194	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	0	1	
ALPO0195	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	0	1	
ALPO0196	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/93-10/03/94	1	3	
ALPO0197	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/25/94-05/25/94	0	1	
ALPO0198	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/04/93-09/29/94	1	3	
ALPO0199	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/13/79-08/14/81	2	5	
ALPO0200	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/25/94-05/25/94	0	1	
ALPO0201	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/04/93-09/29/94	1	3	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0202	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/21/93-12/21/93	0	1	
ALPO0204	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/25/94-05/25/94	0	1	
ALPO0205	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/24/93-06/24/93	0	1	
ALPO0206	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/15/93-06/15/93	0	1	
ALPO0207	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/05/93-08/05/93	0	1	
ALPO0208	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/15/93-06/15/93	0	1	
ALPO0209	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-04/11/95	1	3	
ALPO0210	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/93-07/26/93	0	1	
ALPO0211	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-04/11/95	1	4	
ALPO0212	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/05/93-08/05/93	0	1	
ALPO0213	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/93-07/26/93	0	1	
ALPO0214	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	0	1	
ALPO0215	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/15/93-06/15/93	0	1	
ALPO0216	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/15/93-06/15/93	0	1	
ALPO0217	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/15/93-06/15/93	0	1	
ALPO0218	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/04/93-09/29/94	1	3	
ALPO0219	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/04/93-05/23/94	0	2	
ALPO0220	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/04/93-05/23/94	0	2	
ALPO0221	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/17/93-06/17/93	0	1	
ALPO0222	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/12/93-05/23/95	1	4	
ALPO0223	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/12/93-05/23/95	1	4	
ALPO0224	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/12/93-05/23/94	0	3	
ALPO0226	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/12/93-05/24/94	0	2	
ALPO0227	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/12/93-12/15/94	1	3	
ALPO0228	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/01/94-07/01/94	0	1	
ALPO0230	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/12/93-05/24/94	0	2	
ALPO0232	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/17/93-06/17/93	0	1	
ALPO0234	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/10/94-08/10/94	0	1	
ALPO0236	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	0	1	
ALPO0237	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	0	1	
ALPO0240	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-05/17/95	1	4	
ALPO0241	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	0	1	
ALPO0242	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-09/24/94	1	3	
ALPO0243	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	0	1	
ALPO0244	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/20/94-09/23/94	0	2	
ALPO0245	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/20/94-06/20/94	0	1	
ALPO0246	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/94-10/05/94	0	3	
ALPO0247	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/20/94-06/20/94	0	1	
ALPO0248	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/21/93-06/09/94	0	2	
ALPO0249	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	0	1	
ALPO0250	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/21/93-12/21/93	0	1	
ALPO0251	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/21/93-06/09/94	0	2	
ALPO0252	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/21/93-12/21/93	0	1	
ALPO0253	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	0	1	
ALPO0255	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	0	1	
ALPO0256	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/94-05/18/95	0	4	
ALPO0257	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/94-05/18/95	0	4	
ALPO0258	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/94-05/18/95	0	4	
ALPO0260	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/93-07/26/93	0	1	
ALPO0261	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/94-05/18/95	0	3	
ALPO0262	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/06/79-08/11/81	2	5	
ALPO0263	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	0	1	
ALPO0264	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/94-10/11/94	0	3	
ALPO0265	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-11/22/94	1	3	
ALPO0268	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/02/94-11/22/94	0	2	
ALPO0271	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/02/94-11/22/94	0	2	
ALPO0272	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/25/94-08/25/94	0	1	
ALPO0273	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/02/94-08/02/94	0	1	
ALPO0274	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/25/94-08/25/94	0	1	
ALPO0276	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/03/94-11/20/94	0	2	
ALPO0277	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/94-05/24/95	0	3	
ALPO0279	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/94-12/29/94	0	2	
ALPO0280	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/29/92-07/29/92	0	1	
ALPO0282	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/10/79-08/14/81	2	5	
ALPO0284	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/10/94-08/10/94	0	1	
ALPO0285	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/29/92-10/16/93	1	5	
ALPO0286	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/27/94-03/19/95	0	3	
ALPO0287	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/29/92-10/19/93	1	5	
ALPO0288	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	0	3	
ALPO0289	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	0	2	
ALPO0290	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/29/92-07/29/92	0	1	
ALPO0291	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/09/92-11/09/92	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0292	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	0	3	
ALPO0293	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/27/94-03/19/95	0	3	
ALPO0294	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	0	3	
ALPO0295	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	0	3	
ALPO0297	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	0	3	
ALPO0298	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/94-09/20/94	0	2	
ALPO0299	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/94-09/20/94	0	2	
ALPO0300	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	0	3	
ALPO0301	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/94-05/24/95	0	3	
ALPO0302	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/03/92-08/03/92	0	1	
ALPO0303	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/09/92-11/09/92	0	1	
ALPO0304	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/94-05/24/95	0	3	
ALPO0305	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/09/92-11/09/92	0	1	
ALPO0306	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/03/92-08/03/92	0	1	
ALPO0307	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/10/94-08/10/94	0	1	
ALPO0308	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/19/94-12/06/94	0	2	
ALPO0310	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/19/94-12/06/94	0	2	
ALPO0313	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/03/92-10/16/93	1	2	
ALPO0314	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/29/92-10/16/93	1	4	
ALPO0315	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/23/92-11/23/92	0	1	
ALPO0316	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/20/94-07/20/94	0	1	
ALPO0319	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/20/94-12/06/94	0	2	
ALPO0324	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/29/92-10/16/93	1	4	
ALPO0325	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/20/94-12/01/94	0	2	
ALPO0337	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/22/94-08/22/94	0	1	
ALPO0338	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/11/94-11/16/94	0	2	
ALPO0346	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/25/80-04/28/81	0	5	
ALPO0347	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/28/94-05/28/94	0	1	
ALPO0348	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/08/70-07/08/70	0	1	
ALPO0351	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	09/24/79-09/22/81	1	15	
ALPO0352	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/30/80-04/28/81	0	4	
ALPO0355	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/11/94-06/14/95	0	3	
ALPO0356	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/09/79-08/14/81	2	5	
ALPO0358	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/25/80-04/28/81	0	5	
ALPO0359	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/09/79-03/25/80	0	2	
ALPO0360	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/25/94-08/25/94	0	1	
ALPO0361	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/23/93-01/25/96	2	3	
ALPO0362	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/92-01/25/96	3	7	
ALPO0363	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/23/93-01/25/96	2	3	
ALPO0364	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/13/93-11/14/94	1	3	
ALPO0365	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/23/93-09/30/95	1	4	
ALPO0366	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	09/30/92-04/20/95	2	5	
ALPO0367	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/13/93-09/30/95	2	6	
ALPO0368	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/15/94-04/12/95	0	2	
ALPO0369	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/05/94-01/24/96	1	5	
ALPO0370	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/05/94-01/24/96	1	4	
ALPO0371	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/15/94-11/15/94	0	1	
ALPO0372	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/05/94-01/24/96	1	6	
ALPO0373	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/05/94-08/29/95	1	3	
ALPO0374	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/15/93-10/01/95	2	4	
ALPO0375	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/05/94-01/24/96	1	6	
ALPO0376	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/05/94-01/24/96	1	5	
ALPO0377	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/15/93-01/25/96	2	6	
ALPO0378	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/92-12/20/94	2	4	
ALPO0379	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	09/30/92-12/20/94	2	4	
ALPO0380	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/15/93-07/15/93	0	1	
ALPO0381	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/15/93-07/15/93	0	1	
ALPO0022	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	04/08/87-10/03/95	8	19	
ALPO0259	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	09/26/72-03/14/74	1	8	
ALPO0278	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	07/12/93-07/12/93	0	1	
ALPO0311	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	07/15/93-04/19/94	0	2	
ALPO0312	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	07/15/93-07/15/93	0	1	
ALPO0317	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	07/13/93-07/13/93	0	1	
ALPO0328	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	07/28/93-07/28/93	0	1	
ALPO0329	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	07/28/93-05/24/94	0	2	
ALPO0331	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	07/14/93-07/14/93	0	1	
ALPO0334	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	03/31/50-09/23/86	36	105	T,S
ALPO0335	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	11/21/94-11/21/94	0	1	
ALPO0343	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	07/27/93-07/27/93	0	1	
ALPO0344	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	08/15/94-08/15/94	0	1	
ALPO0345	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	08/15/94-11/21/94	0	2	
ALPO0346	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	11/25/80-04/28/81	0	5	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0348	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	07/28/50-09/05/85	35	100	T,S
ALPO0350	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	10/21/75-06/15/76	0	5	
ALPO0351	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	10/21/75-07/27/93	17	6	
ALPO0352	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	12/30/80-04/28/81	0	4	
ALPO0358	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	11/25/80-04/28/81	0	5	
ALPO0163	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	05/29/86-07/07/87	1	12	
ALPO0165	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	07/22/86-07/22/86	0	1	
ALPO0177	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	05/29/86-07/07/87	1	12	
ALPO0178	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	06/25/86-07/07/87	1	5	
ALPO0225	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	07/22/86-07/07/87	0	3	
ALPO0229	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	05/29/86-07/07/87	1	12	
ALPO0233	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	06/25/86-06/02/87	0	4	
ALPO0235	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	05/29/86-07/07/87	1	12	
ALPO0238	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	05/29/86-07/07/87	1	12	
ALPO0254	Yes	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	05/29/86-07/07/87	1	12	
ALPO0259	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	09/26/72-03/14/74	1	8	
ALPO0334	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	03/31/50-10/04/77	27	102	T,S
ALPO0346	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	11/25/80-04/28/81	0	5	
ALPO0348	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	03/31/50-10/04/77	27	104	T,S
ALPO0350	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	10/21/75-06/15/76	0	6	
ALPO0351	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	10/21/75-06/15/76	0	6	
ALPO0352	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	12/30/80-04/28/81	0	4	
ALPO0358	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	11/25/80-04/28/81	0	5	
ALPO0003	No	00440	BICARBONATE ION (MG/L AS HCO3)	07/21/93-07/21/93	0	1	
ALPO0005	No	00440	BICARBONATE ION (MG/L AS HCO3)	09/13/66-10/17/67	1	3	
ALPO0029	No	00440	BICARBONATE ION (MG/L AS HCO3)	06/03/70-06/03/70	0	1	
ALPO0030	No	00440	BICARBONATE ION (MG/L AS HCO3)	06/03/70-06/03/70	0	1	
ALPO0130	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/14/86-05/04/86	0	2	
ALPO0203	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/14/86-05/04/86	0	2	
ALPO0275	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/14/86-05/04/86	0	2	
ALPO0281	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/14/86-05/04/86	0	2	
ALPO0330	No	00440	BICARBONATE ION (MG/L AS HCO3)	09/29/65-09/29/65	0	1	
ALPO0350	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/07/26-11/10/71	45	6	
ALPO0351	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/12/59-10/24/63	4	6	
ALPO0003	No	00445	CARBONATE ION (MG/L AS CO3)	07/21/93-07/21/93	0	1	
ALPO0005	No	00445	CARBONATE ION (MG/L AS CO3)	09/13/66-04/30/68	1	4	
ALPO0350	No	00445	CARBONATE ION (MG/L AS CO3)	04/20/53-07/08/71	18	3	
ALPO0351	No	00445	CARBONATE ION (MG/L AS CO3)	10/12/59-10/16/59	0	3	
ALPO0027	No	00500	RESIDUE, TOTAL (MG/L)	12/21/76-12/21/76	0	1	
ALPO0326	No	00500	RESIDUE, TOTAL (MG/L)	09/15/67-09/15/67	0	1	
ALPO0334	No	00500	RESIDUE, TOTAL (MG/L)	09/25/62-09/08/80	17	57	
ALPO0346	No	00500	RESIDUE, TOTAL (MG/L)	11/25/80-04/28/81	0	5	
ALPO0348	No	00500	RESIDUE, TOTAL (MG/L)	06/28/62-09/08/80	18	53	
ALPO0352	No	00500	RESIDUE, TOTAL (MG/L)	12/30/80-04/28/81	0	4	
ALPO0358	No	00500	RESIDUE, TOTAL (MG/L)	11/25/80-04/28/81	0	5	
ALPO0004	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/23/87-08/15/96	9	21	
ALPO0008	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/25/97-06/25/97	0	1	
ALPO0009	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/07/97-03/07/97	0	1	
ALPO0010	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/09/87-11/06/96	9	22	
ALPO0013	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/07/97-06/25/97	0	2	
ALPO0016	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/22/87-09/06/96	9	22	
ALPO0018	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/08/87-10/31/96	9	22	
ALPO0019	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/07/97-06/25/97	0	2	
ALPO0020	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/07/97-06/25/97	0	2	
ALPO0021	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/08/87-09/06/96	9	22	
ALPO0022	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/08/87-10/31/96	9	21	
ALPO0023	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/07/97-06/25/97	0	2	
ALPO0024	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/07/97-03/07/97	0	1	
ALPO0028	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/07/97-06/25/97	0	2	
ALPO0239	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/30/93-08/30/93	0	1	
ALPO0278	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/12/93-07/12/93	0	1	
ALPO0282	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/28/93-05/24/94	0	2	
ALPO0283	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/13/93-07/13/93	0	1	
ALPO0311	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/15/93-04/19/94	0	2	
ALPO0312	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/15/93-07/15/93	0	1	
ALPO0317	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/13/93-07/13/93	0	1	
ALPO0320	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/14/94-11/21/94	0	2	
ALPO0321	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/07/94-07/07/94	0	1	
ALPO0327	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/14/94-06/14/94	0	1	
ALPO0328	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/28/93-05/24/94	0	2	
ALPO0329	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/28/93-05/24/94	0	2	
ALPO0331	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/14/93-07/14/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0332	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/14/94-06/14/94	0	1	
ALPO0333	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/14/94-06/14/94	0	1	
ALPO0334	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/07/73-12/01/87	14	134	A
ALPO0335	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/21/94-11/21/94	0	1	
ALPO0339	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/94-08/15/94	0	2	
ALPO0340	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/94-08/15/94	0	1	
ALPO0341	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/94-08/15/94	0	1	
ALPO0342	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/94-08/15/94	0	1	
ALPO0343	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/27/93-05/23/94	0	2	
ALPO0344	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/94-08/15/94	0	1	
ALPO0345	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/94-11/21/94	0	2	
ALPO0346	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/25/80-04/28/81	0	5	
ALPO0348	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/70-12/01/87	17	133	T,A
ALPO0349	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/94-08/15/94	0	1	
ALPO0351	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/27/93-05/23/94	0	2	
ALPO0352	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/30/80-04/28/81	0	4	
ALPO0354	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/94-08/15/94	0	1	
ALPO0357	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/21/94-11/21/94	0	1	
ALPO0358	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/25/80-04/28/81	0	5	
ALPO0359	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/28/93-05/23/94	0	2	
ALPO0239	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/30/93-08/30/93	0	1	
ALPO0334	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	25	106	T,S
ALPO0346	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/25/80-04/28/81	0	5	
ALPO0348	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	25	102	T,S
ALPO0352	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/30/80-04/28/81	0	4	
ALPO0358	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/25/80-04/28/81	0	5	
ALPO0334	No	00545	RESIDUE, SETTLEABLE (ML/L)	05/18/78-05/18/78	0	1	
ALPO0348	No	00545	RESIDUE, SETTLEABLE (ML/L)	12/12/77-05/18/78	0	2	
ALPO0003	No	00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	07/21/93-07/21/93	0	1	
ALPO0003	No	00573	BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)	07/21/93-07/21/93	0	1	
ALPO0351	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/23/96-05/15/97	1	12	
ALPO0004	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/23/87-08/15/96	9	21	
ALPO0010	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/09/87-11/06/96	9	22	
ALPO0016	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/22/87-09/06/96	9	22	
ALPO0018	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/08/87-10/31/96	9	22	
ALPO0021	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/08/87-09/06/96	9	22	
ALPO0022	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/08/87-10/31/96	9	21	
ALPO0026	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/03/70-06/03/70	0	1	
ALPO0027	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/03/70-12/21/76	6	2	
ALPO0029	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/03/70-06/03/70	0	1	
ALPO0030	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/03/70-06/03/70	0	1	
ALPO0163	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/07/86-07/07/87	1	12	
ALPO0165	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/86-07/22/86	0	1	
ALPO0177	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/07/86-07/07/87	1	12	
ALPO0178	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/86-07/07/87	1	6	
ALPO0225	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/86-07/07/87	0	3	
ALPO0229	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/07/86-07/07/87	1	12	
ALPO0233	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/86-06/02/87	0	5	
ALPO0235	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/07/86-07/07/87	1	12	
ALPO0238	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/07/86-07/07/87	1	12	
ALPO0239	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/30/93-08/30/93	0	1	
ALPO0254	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/07/86-07/07/87	1	12	
ALPO0259	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/26/72-03/14/74	1	9	
ALPO0326	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/15/67-09/15/67	0	1	
ALPO0334	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/72-01/07/88	15	151	T,A
ALPO0346	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/11/81-04/28/81	0	3	
ALPO0348	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/72-01/07/88	15	152	T,A
ALPO0350	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/21/75-06/15/76	0	6	
ALPO0351	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/21/75-06/15/76	0	6	
ALPO0352	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/11/81-04/28/81	0	3	
ALPO0358	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/11/81-04/28/81	0	3	
ALPO0351	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	04/23/96-05/15/97	1	12	
ALPO0004	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/23/87-08/15/96	9	21	
ALPO0010	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/09/87-11/06/96	9	22	
ALPO0016	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/22/87-09/06/96	9	22	
ALPO0018	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/08/87-10/31/96	9	22	
ALPO0021	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/08/87-09/06/96	9	22	
ALPO0022	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/08/87-10/31/96	9	21	
ALPO0026	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/03/70-06/03/70	0	1	
ALPO0027	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/03/70-12/21/76	6	2	
ALPO0163	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/29/86-08/18/86	0	4	
ALPO0165	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-07/22/86	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0177	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/29/86-08/18/86	0	4	
ALPO0178	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/25/86-06/25/86	0	1	
ALPO0225	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-07/22/86	0	1	
ALPO0229	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/29/86-08/18/86	0	4	
ALPO0233	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/25/86-06/25/86	0	1	
ALPO0235	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/29/86-08/18/86	0	4	
ALPO0238	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/29/86-08/18/86	0	4	
ALPO0239	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/30/93-08/30/93	0	1	
ALPO0254	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/29/86-08/18/86	0	4	
ALPO0259	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/26/72-03/14/74	1	9	
ALPO0326	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/15/67-09/15/67	0	1	
ALPO0334	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	15	151	T,A
ALPO0348	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	22	153	T,A
ALPO0350	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/21/75-06/15/76	0	6	
ALPO0351	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/21/75-06/15/76	0	6	
ALPO0029	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	06/03/70-06/03/70	0	1	
ALPO0030	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	06/03/70-06/03/70	0	1	
ALPO0350	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/07/26-11/10/71	45	5	
ALPO0351	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/12/59-10/16/59	0	3	
ALPO0348	No	00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	04/08/82-04/08/82	0	1	
ALPO0004	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/23/87-08/15/96	9	21	
ALPO0010	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/09/87-11/06/96	9	22	
ALPO0016	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/22/87-09/06/96	9	22	
ALPO0018	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/08/87-10/31/96	9	22	
ALPO0021	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/08/87-09/06/96	9	22	
ALPO0022	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/08/87-10/31/96	9	21	
ALPO0026	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/03/70-06/03/70	0	1	
ALPO0027	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/03/70-12/21/76	6	2	
ALPO0163	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/07/86-07/07/87	1	12	
ALPO0165	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/86-07/22/86	0	1	
ALPO0177	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/07/86-07/07/87	1	12	
ALPO0178	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/86-07/07/87	1	6	
ALPO0225	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/86-07/07/87	0	3	
ALPO0229	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/07/86-07/07/87	1	12	
ALPO0233	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/86-06/02/87	0	5	
ALPO0235	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/07/86-07/07/87	1	12	
ALPO0238	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/07/86-07/07/87	1	12	
ALPO0239	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/30/93-08/30/93	0	1	
ALPO0254	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/07/86-07/07/87	1	12	
ALPO0259	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/26/72-03/14/74	1	9	
ALPO0326	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/15/67-09/15/67	0	1	
ALPO0334	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	15	151	T,A
ALPO0348	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	22	153	T,A
ALPO0350	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/20/53-06/15/76	23	7	
ALPO0351	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/21/75-06/15/76	0	6	
ALPO0351	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	04/23/96-05/15/97	1	12	
ALPO0346	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/25/80-04/28/81	0	4	
ALPO0351	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/23/96-05/15/97	1	12	
ALPO0352	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/11/81-04/28/81	0	3	
ALPO0358	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/25/80-04/28/81	0	4	
ALPO0346	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/11/81-04/28/81	0	3	
ALPO0351	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/05/79-11/05/79	0	1	
ALPO0352	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/11/81-04/28/81	0	3	
ALPO0358	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/11/81-04/28/81	0	3	
ALPO0351	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/23/96-05/15/97	1	12	
ALPO0026	No	00639	NITROGEN, ALBUMINOID AS N IN MG/L	06/03/70-06/03/70	0	1	
ALPO0027	No	00639	NITROGEN, ALBUMINOID AS N IN MG/L	06/03/70-06/03/70	0	1	
ALPO0326	No	00639	NITROGEN, ALBUMINOID AS N IN MG/L	09/15/67-09/15/67	0	1	
ALPO0334	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	02/15/67-03/12/71	4	16	
ALPO0348	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	02/15/67-03/12/71	4	15	
ALPO0350	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/08/71-11/10/71	0	2	
ALPO0004	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/16/90-08/15/96	6	11	
ALPO0010	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/90-11/06/96	6	12	
ALPO0016	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/90-09/06/96	6	12	
ALPO0018	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/90-10/31/96	6	12	
ALPO0021	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/90-09/06/96	6	12	
ALPO0022	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/90-10/31/96	6	11	
ALPO0239	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/30/93-08/30/93	0	1	
ALPO0259	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/26/72-03/14/74	1	9	
ALPO0334	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/72-01/07/88	15	150	T,A
ALPO0346	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/25/80-04/28/81	0	4	
ALPO0348	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/72-01/07/88	15	149	T,A

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0350	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/21/75-06/15/76	0	6	
ALPO0351	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/21/75-05/15/97	21	19	
ALPO0352	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/11/81-04/28/81	0	3	
ALPO0358	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/25/80-04/28/81	0	4	
ALPO0130	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/14/86-05/04/86	0	2	
ALPO0203	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/14/86-05/04/86	0	2	
ALPO0275	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/14/86-05/04/86	0	2	
ALPO0281	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/14/86-05/04/86	0	2	
ALPO0351	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/23/96-05/15/97	1	12	
ALPO0350	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/08/71-11/10/71	0	2	
ALPO0351	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/23/96-05/15/97	1	12	
ALPO0004	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/23/87-08/15/96	9	15	
ALPO0010	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/09/87-11/06/96	9	16	
ALPO0016	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/22/87-09/06/96	9	16	
ALPO0018	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/08/87-10/31/96	9	16	
ALPO0021	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/08/87-09/06/96	9	16	
ALPO0022	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/08/87-10/31/96	9	15	
ALPO0334	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/08/75-01/07/88	12	41	
ALPO0348	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/08/75-01/07/88	12	38	
ALPO0350	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/10/71-10/21/75	3	2	
ALPO0351	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/21/75-10/21/75	0	1	
ALPO0130	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/14/86-05/04/86	0	2	
ALPO0203	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/14/86-05/04/86	0	2	
ALPO0275	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/14/86-05/04/86	0	2	
ALPO0281	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/14/86-05/04/86	0	2	
ALPO0351	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/23/96-05/15/97	1	12	
ALPO0278	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/12/93-07/12/93	0	1	
ALPO0282	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/28/93-05/24/94	0	2	
ALPO0283	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/13/93-07/13/93	0	1	
ALPO0311	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/15/93-04/19/94	0	2	
ALPO0312	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/15/93-07/15/93	0	1	
ALPO0317	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/13/93-07/13/93	0	1	
ALPO0320	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	06/14/94-11/21/94	0	2	
ALPO0321	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/07/94-07/07/94	0	1	
ALPO0327	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	06/14/94-06/14/94	0	1	
ALPO0328	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/28/93-05/24/94	0	2	
ALPO0329	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/28/93-05/24/94	0	2	
ALPO0331	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/14/93-07/14/93	0	1	
ALPO0332	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	06/14/94-06/14/94	0	1	
ALPO0333	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	06/14/94-06/14/94	0	1	
ALPO0335	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	11/21/94-11/21/94	0	1	
ALPO0339	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	08/15/94-08/15/94	0	2	
ALPO0340	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	08/15/94-08/15/94	0	1	
ALPO0341	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	08/15/94-08/15/94	0	1	
ALPO0342	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	08/15/94-08/15/94	0	1	
ALPO0343	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/27/93-05/23/94	0	2	
ALPO0344	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	08/15/94-08/15/94	0	1	
ALPO0345	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	08/15/94-11/21/94	0	2	
ALPO0349	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	08/15/94-08/15/94	0	1	
ALPO0351	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/27/93-05/23/94	0	2	
ALPO0354	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	08/15/94-08/15/94	0	1	
ALPO0357	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	11/21/94-11/21/94	0	1	
ALPO0359	No	00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/28/93-05/23/94	0	2	
ALPO0007	No	00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	08/21/80-08/21/80	0	1	
ALPO0011	No	00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	08/21/80-08/21/80	0	1	
ALPO0199	No	00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	08/20/80-08/20/80	0	1	
ALPO0262	No	00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	08/20/80-08/20/80	0	1	
ALPO0282	No	00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	08/18/80-08/18/80	0	1	
ALPO0356	No	00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	08/20/80-08/20/80	0	1	
ALPO0359	No	00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	08/23/80-08/23/80	0	1	
ALPO0007	No	00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	08/21/80-08/21/80	0	1	
ALPO0011	No	00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	08/21/80-08/21/80	0	1	
ALPO0199	No	00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	08/20/80-08/20/80	0	1	
ALPO0262	No	00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	08/20/80-08/20/80	0	1	
ALPO0282	No	00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	08/18/80-08/18/80	0	1	
ALPO0356	No	00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	08/20/80-08/20/80	0	1	
ALPO0359	No	00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	08/23/80-08/23/80	0	1	
ALPO0351	No	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	04/23/96-03/24/97	0	11	
ALPO0130	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/14/86-05/04/86	0	2	
ALPO0203	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/14/86-05/04/86	0	2	
ALPO0275	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/14/86-05/04/86	0	2	
ALPO0281	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/14/86-05/04/86	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0007	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	08/21/80-08/21/80	0	1	
ALPO0011	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	08/21/80-08/21/80	0	1	
ALPO0199	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	08/20/80-08/20/80	0	1	
ALPO0262	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	08/20/80-08/20/80	0	1	
ALPO0282	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	08/18/80-08/18/80	0	1	
ALPO0356	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	08/20/80-08/20/80	0	1	
ALPO0359	No	00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	08/23/80-08/23/80	0	1	
ALPO0334	No	00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	11/23/82-01/07/88	5	57	
ALPO0348	No	00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	03/08/82-01/07/88	5	62	
ALPO0334	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/17/66-01/07/88	21	135	T,A
ALPO0346	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	02/11/81-04/28/81	0	3	
ALPO0348	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/05/76-01/07/88	12	128	A
ALPO0351	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/05/79-11/05/79	0	1	
ALPO0352	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	03/26/81-04/28/81	0	2	
ALPO0358	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/25/80-04/28/81	0	5	
ALPO0004	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/23/87-08/15/96	9	21	
ALPO0005	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/20/66-09/23/69	3	7	
ALPO0010	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/09/87-11/06/96	9	22	
ALPO0016	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/22/87-09/06/96	9	22	
ALPO0018	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/08/87-10/31/96	9	22	
ALPO0021	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/08/87-09/06/96	9	22	
ALPO0022	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/08/87-10/31/96	9	21	
ALPO0026	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/03/70-06/03/70	0	1	
ALPO0027	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/03/70-12/21/76	6	2	
ALPO0029	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/03/70-06/03/70	0	1	
ALPO0030	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/03/70-06/03/70	0	1	
ALPO0163	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/21/86-07/07/87	0	6	
ALPO0177	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/23/86-07/07/87	0	7	
ALPO0178	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/21/86-07/07/87	0	4	
ALPO0225	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/02/87-07/07/87	0	2	
ALPO0229	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/23/86-07/07/87	0	7	
ALPO0233	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/21/86-06/02/87	0	3	
ALPO0235	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/23/86-07/07/87	0	7	
ALPO0238	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/23/86-07/07/87	0	7	
ALPO0239	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/30/93-08/30/93	0	1	
ALPO0254	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/23/86-07/07/87	0	7	
ALPO0259	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/26/72-03/14/74	1	9	
ALPO0326	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/15/67-09/15/67	0	1	
ALPO0330	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/29/65-09/29/65	0	1	
ALPO0334	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	25	190	T,A,S
ALPO0346	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/25/80-04/28/81	0	5	
ALPO0348	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	25	192	T,A,S
ALPO0350	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/07/26-06/15/76	49	12	
ALPO0351	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/12/59-11/05/79	20	13	
ALPO0352	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/30/80-04/28/81	0	4	
ALPO0358	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/25/80-04/28/81	0	5	
ALPO0005	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	04/20/66-09/23/69	3	7	
ALPO0029	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/03/70-06/03/70	0	1	
ALPO0030	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/03/70-06/03/70	0	1	
ALPO0330	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/29/65-09/29/65	0	1	
ALPO0350	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/07/26-11/10/71	45	6	
ALPO0351	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/12/59-11/05/79	20	7	
ALPO0005	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/17/67-09/23/69	1	4	
ALPO0130	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/14/86-05/04/86	0	2	
ALPO0203	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/14/86-05/04/86	0	2	
ALPO0259	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/26/72-03/14/74	1	9	
ALPO0275	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/14/86-05/04/86	0	2	
ALPO0281	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/14/86-05/04/86	0	2	
ALPO0334	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/06/72-10/04/77	4	26	
ALPO0348	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/16/72-10/04/77	5	29	
ALPO0350	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/07/26-06/15/76	49	11	
ALPO0351	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/12/59-05/15/97	37	24	
ALPO0004	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/23/87-08/15/96	9	21	
ALPO0010	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/09/87-11/06/96	9	22	
ALPO0016	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/22/87-09/06/96	9	22	
ALPO0018	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/08/87-10/31/96	9	22	
ALPO0021	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/08/87-09/06/96	9	22	
ALPO0022	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/08/87-10/31/96	9	21	
ALPO0163	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/29/86-07/07/87	1	10	
ALPO0165	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/22/86-07/22/86	0	1	
ALPO0177	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/29/86-07/07/87	1	11	
ALPO0178	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/25/86-07/07/87	1	5	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0225	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/22/86-07/07/87	0	3	
ALPO0229	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/29/86-07/07/87	1	11	
ALPO0233	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/25/86-06/02/87	0	4	
ALPO0235	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/29/86-07/07/87	1	11	
ALPO0238	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/29/86-07/07/87	1	11	
ALPO0239	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/30/93-08/30/93	0	1	
ALPO0254	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	05/29/86-07/07/87	1	11	
ALPO0334	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	10	123	A
ALPO0346	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/25/80-04/28/81	0	5	
ALPO0348	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	10	121	A
ALPO0352	No	00916	CALCIUM, TOTAL (MG/L AS CA)	12/30/80-04/28/81	0	4	
ALPO0358	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/25/80-04/28/81	0	6	
ALPO0334	No	00920	MAGNESIUM (MG/L AS CACO3)	02/09/77-02/09/77	0	1	
ALPO0005	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/67-09/23/69	1	4	
ALPO0130	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/14/86-05/04/86	0	2	
ALPO0203	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/14/86-05/04/86	0	2	
ALPO0259	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/26/72-03/14/74	1	9	
ALPO0275	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/14/86-05/04/86	0	2	
ALPO0281	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/14/86-05/04/86	0	2	
ALPO0334	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/06/72-10/04/77	4	26	
ALPO0348	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/16/72-10/04/77	5	28	
ALPO0350	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/07/26-06/15/76	49	10	
ALPO0351	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/12/59-05/15/97	37	24	
ALPO0004	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/23/87-08/15/96	9	21	
ALPO0010	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/09/87-11/06/96	9	22	
ALPO0016	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/22/87-09/06/96	9	22	
ALPO0018	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/08/87-10/31/96	9	22	
ALPO0021	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/08/87-09/06/96	9	22	
ALPO0022	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/08/87-10/31/96	9	21	
ALPO0163	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/21/86-07/07/87	0	6	
ALPO0177	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/23/86-07/07/87	0	7	
ALPO0178	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/21/86-07/07/87	0	4	
ALPO0225	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/02/87-07/07/87	0	2	
ALPO0229	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/23/86-07/07/87	0	7	
ALPO0233	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/21/86-06/02/87	0	3	
ALPO0235	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/23/86-07/07/87	0	7	
ALPO0238	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/23/86-07/07/87	0	7	
ALPO0239	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/30/93-08/30/93	0	1	
ALPO0254	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/23/86-07/07/87	0	7	
ALPO0334	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	10	122	A
ALPO0346	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/25/80-04/28/81	0	5	
ALPO0348	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	10	119	A
ALPO0352	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	12/30/80-04/28/81	0	4	
ALPO0358	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/25/80-04/28/81	0	5	
ALPO0004	No	00929	SODIUM, TOTAL (MG/L AS NA)	04/23/87-08/15/96	9	21	
ALPO0010	No	00929	SODIUM, TOTAL (MG/L AS NA)	04/09/87-11/06/96	9	22	
ALPO0016	No	00929	SODIUM, TOTAL (MG/L AS NA)	04/22/87-09/06/96	9	22	
ALPO0018	No	00929	SODIUM, TOTAL (MG/L AS NA)	04/08/87-10/31/96	9	22	
ALPO0021	No	00929	SODIUM, TOTAL (MG/L AS NA)	04/08/87-09/06/96	9	22	
ALPO0022	No	00929	SODIUM, TOTAL (MG/L AS NA)	04/08/87-10/31/96	9	21	
ALPO0346	No	00929	SODIUM, TOTAL (MG/L AS NA)	11/25/80-04/28/81	0	5	
ALPO0352	No	00929	SODIUM, TOTAL (MG/L AS NA)	12/30/80-04/28/81	0	4	
ALPO0358	No	00929	SODIUM, TOTAL (MG/L AS NA)	11/25/80-04/28/81	0	5	
ALPO0005	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/20/66-04/20/67	1	3	
ALPO0130	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/14/86-05/04/86	0	2	
ALPO0203	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/14/86-05/04/86	0	2	
ALPO0275	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/14/86-05/04/86	0	2	
ALPO0281	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/14/86-05/04/86	0	2	
ALPO0318	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/15/77-07/15/77	0	1	
ALPO0350	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/07/26-11/10/71	45	6	
ALPO0351	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/12/59-05/15/97	37	19	
ALPO0005	No	00931	SODIUM ADSORPTION RATIO	04/20/66-01/16/69	2	4	
ALPO0350	No	00931	SODIUM ADSORPTION RATIO	10/07/26-11/10/71	45	5	
ALPO0351	No	00931	SODIUM ADSORPTION RATIO	10/12/59-11/05/79	20	5	
ALPO0005	No	00932	SODIUM, PERCENT	04/20/66-01/16/69	2	4	
ALPO0350	No	00932	SODIUM, PERCENT	10/07/26-07/08/71	44	4	
ALPO0351	No	00932	SODIUM, PERCENT	10/12/59-11/05/79	20	5	
ALPO0005	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	01/16/69-01/16/69	0	1	
ALPO0351	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	11/05/79-11/05/79	0	1	
ALPO0130	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/14/86-05/04/86	0	2	
ALPO0203	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/14/86-05/04/86	0	2	
ALPO0275	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/14/86-05/04/86	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0281	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/14/86-05/04/86	0	2	
ALPO0350	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/07/26-07/08/71	44	4	
ALPO0351	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/12/59-05/15/97	37	18	
ALPO0004	No	00937	POTASSIUM, TOTAL MG/L AS K)	04/23/87-08/15/96	9	21	
ALPO0010	No	00937	POTASSIUM, TOTAL MG/L AS K)	04/09/87-11/06/96	9	22	
ALPO0016	No	00937	POTASSIUM, TOTAL MG/L AS K)	04/22/87-09/06/96	9	22	
ALPO0018	No	00937	POTASSIUM, TOTAL MG/L AS K)	04/08/87-10/31/96	9	22	
ALPO0021	No	00937	POTASSIUM, TOTAL MG/L AS K)	04/08/87-09/06/96	9	22	
ALPO0022	No	00937	POTASSIUM, TOTAL MG/L AS K)	04/08/87-10/31/96	9	21	
ALPO0346	No	00937	POTASSIUM, TOTAL MG/L AS K)	11/25/80-04/28/81	0	5	
ALPO0352	No	00937	POTASSIUM, TOTAL MG/L AS K)	12/30/80-04/28/81	0	4	
ALPO0358	No	00937	POTASSIUM, TOTAL MG/L AS K)	11/25/80-04/28/81	0	5	
ALPO0004	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/23/87-08/15/96	9	21	
ALPO0005	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/20/66-09/23/69	3	7	
ALPO0010	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/09/87-11/06/96	9	22	
ALPO0016	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/22/87-09/06/96	9	22	
ALPO0018	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/08/87-10/31/96	9	22	
ALPO0021	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/08/87-09/06/96	9	22	
ALPO0022	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/08/87-10/31/96	9	21	
ALPO0026	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/03/70-06/03/70	0	1	
ALPO0027	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/03/70-12/21/76	6	2	
ALPO0029	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/03/70-06/03/70	0	1	
ALPO0030	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/03/70-06/03/70	0	1	
ALPO0239	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/30/93-08/30/93	0	1	
ALPO0259	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/26/72-03/14/74	1	9	
ALPO0326	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/15/67-09/15/67	0	1	
ALPO0330	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/29/65-09/29/65	0	1	
ALPO0334	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	25	188	T,A,S
ALPO0348	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	25	190	T,A,S
ALPO0350	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/07/26-06/15/76	49	13	
ALPO0351	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/12/59-05/15/97	37	25	
ALPO0130	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/14/86-05/04/86	0	2	
ALPO0203	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/14/86-05/04/86	0	2	
ALPO0275	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/14/86-05/04/86	0	2	
ALPO0281	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/14/86-05/04/86	0	2	
ALPO0004	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/23/87-08/15/96	9	21	
ALPO0005	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/20/66-09/23/69	3	7	
ALPO0007	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/08/79-08/13/81	2	6	
ALPO0010	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/09/87-11/06/96	9	22	
ALPO0011	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/08/79-08/13/81	2	5	
ALPO0012	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/08/79-08/13/81	2	6	
ALPO0014	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/08/79-08/13/81	2	6	
ALPO0016	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/22/87-09/06/96	9	22	
ALPO0017	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/02/72-10/02/72	0	1	
ALPO0018	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/08/87-10/31/96	9	22	
ALPO0021	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/08/87-09/06/96	9	22	
ALPO0022	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/08/87-10/31/96	9	21	
ALPO0026	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/03/70-06/03/70	0	1	
ALPO0027	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/03/70-12/21/76	6	2	
ALPO0029	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/03/70-06/03/70	0	1	
ALPO0030	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/03/70-06/03/70	0	1	
ALPO0031	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/13/94-06/13/94	0	1	
ALPO0032	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/13/94-06/13/94	0	1	
ALPO0033	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/13/94-06/13/94	0	1	
ALPO0034	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/72-07/26/72	0	1	
ALPO0035	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/01/94-08/01/94	0	1	
ALPO0036	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/72-07/26/72	0	1	
ALPO0037	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/13/94-06/13/94	0	1	
ALPO0038	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-06/14/94	0	1	
ALPO0039	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/02/92-06/02/93	1	5	
ALPO0040	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/03/93-04/03/96	2	4	
ALPO0041	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/02/92-06/02/93	1	6	
ALPO0042	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/03/93-04/03/96	2	4	
ALPO0043	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/13/94-06/13/94	0	1	
ALPO0044	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/03/93-06/13/94	0	2	
ALPO0045	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/01/94-04/03/96	1	2	
ALPO0046	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/03/96-04/03/96	0	1	
ALPO0047	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/09/92-06/02/93	0	5	
ALPO0048	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/13/94-06/13/94	0	1	
ALPO0049	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/13/94-06/13/94	0	1	
ALPO0050	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/23/72-10/23/72	0	1	
ALPO0051	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/06/92-10/15/92	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0052	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-06/14/94	0	1	
ALPO0053	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-06/14/94	0	1	
ALPO0054	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/72-10/17/72	0	1	
ALPO0055	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/10/92-06/10/92	0	1	
ALPO0056	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/72-10/17/72	0	1	
ALPO0057	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/72-10/17/72	0	1	
ALPO0058	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-04/04/96	1	2	
ALPO0059	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/27/92-04/04/96	3	5	
ALPO0060	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/72-10/17/72	0	1	
ALPO0061	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/72-10/17/72	0	1	
ALPO0062	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-04/04/96	1	3	
ALPO0063	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/72-10/17/72	0	1	
ALPO0064	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/72-10/17/72	0	1	
ALPO0065	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/72-10/17/72	0	1	
ALPO0066	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/02/92-06/03/93	1	6	
ALPO0067	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/06/93-03/06/93	0	1	
ALPO0068	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/02/92-06/03/93	1	6	
ALPO0069	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/06/93-03/06/93	0	1	
ALPO0070	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/02/92-11/06/93	1	3	
ALPO0071	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/02/92-06/03/93	1	5	
ALPO0072	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/02/92-06/03/93	1	5	
ALPO0073	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-06/07/93	0	1	
ALPO0074	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-06/07/93	0	1	
ALPO0075	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/09/92-06/03/93	0	4	
ALPO0076	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/72-12/03/72	0	3	
ALPO0077	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-06/07/93	0	1	
ALPO0078	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/09/92-06/09/92	0	1	
ALPO0079	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/72-12/03/72	0	3	
ALPO0080	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/09/92-06/09/92	0	1	
ALPO0081	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/08/94-04/04/95	0	4	
ALPO0082	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/08/93-06/08/93	0	1	
ALPO0083	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/22/94-09/22/94	0	1	
ALPO0084	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/08/93-06/08/93	0	1	
ALPO0085	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-06/07/93	0	1	
ALPO0086	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-06/14/93	0	1	
ALPO0087	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-06/07/93	0	1	
ALPO0088	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-06/07/93	0	1	
ALPO0089	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-06/14/93	0	1	
ALPO0090	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-06/14/93	0	1	
ALPO0091	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/93-02/01/95	1	4	
ALPO0092	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-06/14/93	0	1	
ALPO0093	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/93-02/01/95	1	4	
ALPO0094	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/08/93-06/08/93	0	1	
ALPO0095	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/27/92-07/27/92	0	1	
ALPO0096	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/27/92-07/27/92	0	1	
ALPO0097	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-06/01/94	0	2	
ALPO0098	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/09/93-02/01/95	1	2	
ALPO0099	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/93-06/30/93	0	1	
ALPO0100	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/93-12/08/94	1	3	
ALPO0101	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/13/93-04/06/95	1	4	
ALPO0102	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/93-06/30/93	0	1	
ALPO0103	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-11/29/94	1	3	
ALPO0104	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/01/94-03/14/95	0	3	
ALPO0105	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/93-06/30/93	0	1	
ALPO0106	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/01/94-10/13/94	0	2	
ALPO0107	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/01/94-10/13/94	0	2	
ALPO0108	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/93-06/30/93	0	1	
ALPO0109	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/93-06/30/93	0	1	
ALPO0110	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/01/93-03/14/95	1	4	
ALPO0111	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/01/94-12/08/94	0	2	
ALPO0112	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/93-06/30/93	0	1	
ALPO0113	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/31/94-05/31/94	0	1	
ALPO0114	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/93-06/30/93	0	1	
ALPO0115	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/03/93-06/03/93	0	1	
ALPO0116	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/01/94-06/01/94	0	1	
ALPO0117	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/06/93-07/06/93	0	1	
ALPO0118	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/01/94-03/14/95	0	3	
ALPO0119	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/06/93-07/06/93	0	1	
ALPO0120	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/03/93-11/29/94	1	2	
ALPO0121	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/03/93-06/03/93	0	1	
ALPO0122	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/06/93-06/01/94	0	2	
ALPO0123	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/03/93-06/03/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0124	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-06/06/94	0	2	
ALPO0125	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/02/93-04/06/95	1	4	
ALPO0126	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/02/93-06/01/94	0	2	
ALPO0127	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/93-06/29/93	0	1	
ALPO0128	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/02/93-06/01/94	0	2	
ALPO0129	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/93-03/07/95	1	4	
ALPO0131	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/09/93-06/09/93	0	1	
ALPO0132	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/93-03/07/95	1	4	
ALPO0133	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/93-03/07/95	1	4	
ALPO0134	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/27/94-04/04/95	0	3	
ALPO0135	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-10/13/94	1	4	
ALPO0136	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/06/94-06/06/94	0	1	
ALPO0137	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-10/13/94	1	4	
ALPO0138	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-06/07/93	0	1	
ALPO0139	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/93-06/29/93	0	1	
ALPO0140	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/93-06/29/93	0	1	
ALPO0141	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/93-06/29/93	0	1	
ALPO0142	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/05/92-04/06/95	2	8	
ALPO0143	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/30/92-11/30/92	0	1	
ALPO0144	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/30/92-11/30/92	0	1	
ALPO0145	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/16/94-04/06/95	0	2	
ALPO0146	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-10/13/94	1	4	
ALPO0147	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-06/14/93	0	1	
ALPO0148	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-06/14/93	0	1	
ALPO0149	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-04/06/95	1	3	
ALPO0150	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-06/14/93	0	1	
ALPO0151	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/27/94-12/15/94	0	2	
ALPO0152	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/28/92-05/31/94	1	6	
ALPO0153	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/28/93-05/31/94	1	4	
ALPO0154	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/93-06/29/93	0	1	
ALPO0155	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/22/92-11/06/93	0	4	
ALPO0156	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/93-06/29/93	0	1	
ALPO0157	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-03/16/95	1	4	
ALPO0158	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-06/14/93	0	1	
ALPO0159	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-06/14/93	0	1	
ALPO0160	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/18/93-03/07/95	1	4	
ALPO0161	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/18/93-03/13/95	1	4	
ALPO0162	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/18/93-03/13/95	1	4	
ALPO0163	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/07/86-07/07/87	1	13	
ALPO0164	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/01/94-08/01/94	0	1	
ALPO0165	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/22/86-07/22/86	0	1	
ALPO0166	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/01/94-08/01/94	0	1	
ALPO0168	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/93-06/29/93	0	1	
ALPO0169	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/27/93-07/27/93	0	1	
ALPO0170	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/28/93-05/25/94	0	2	
ALPO0171	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/28/93-05/23/95	1	4	
ALPO0172	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/28/93-05/25/94	0	2	
ALPO0173	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/93-10/19/94	1	3	
ALPO0174	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/93-12/15/94	1	3	
ALPO0175	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/01/94-08/01/94	0	1	
ALPO0176	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/93-05/16/95	1	4	
ALPO0177	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/07/86-07/07/87	1	13	
ALPO0178	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/86-07/07/87	1	6	
ALPO0179	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/12/93-07/12/93	0	1	
ALPO0180	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/05/93-08/05/93	0	1	
ALPO0181	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/12/93-06/06/94	0	2	
ALPO0182	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/12/93-06/06/94	0	2	
ALPO0183	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/12/93-06/05/94	0	2	
ALPO0184	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/12/93-08/12/93	0	1	
ALPO0185	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/12/93-08/12/93	0	1	
ALPO0186	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/94-04/11/95	0	2	
ALPO0187	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/12/93-08/12/93	0	1	
ALPO0188	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/12/93-08/12/93	0	1	
ALPO0189	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/93-06/05/94	0	2	
ALPO0190	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/93-06/13/95	1	3	
ALPO0191	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/93-06/24/93	0	1	
ALPO0192	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/22/93-03/15/95	1	3	
ALPO0193	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/22/93-06/08/94	0	2	
ALPO0194	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/93-06/29/93	0	1	
ALPO0195	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-06/14/93	0	1	
ALPO0196	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/93-10/03/94	1	3	
ALPO0197	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/94-05/25/94	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0198	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/04/93-09/29/94	1	3	
ALPO0199	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/06/79-08/14/81	2	6	
ALPO0200	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/94-05/25/94	0	1	
ALPO0201	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/04/93-09/29/94	1	3	
ALPO0202	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/21/93-12/21/93	0	1	
ALPO0204	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/94-05/25/94	0	1	
ALPO0205	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/93-06/24/93	0	1	
ALPO0206	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/15/93-06/15/93	0	1	
ALPO0207	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/05/93-08/05/93	0	1	
ALPO0208	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/15/93-06/15/93	0	1	
ALPO0209	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-04/11/95	1	4	
ALPO0210	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/93-07/26/93	0	1	
ALPO0211	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-04/11/95	1	4	
ALPO0212	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/05/93-08/05/93	0	1	
ALPO0213	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/93-07/26/93	0	1	
ALPO0214	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-08/16/93	0	1	
ALPO0215	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/15/93-06/15/93	0	1	
ALPO0216	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/15/93-06/15/93	0	1	
ALPO0217	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/15/93-06/15/93	0	1	
ALPO0218	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/04/93-09/29/94	1	3	
ALPO0219	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/04/93-05/23/94	0	2	
ALPO0220	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/04/93-05/23/94	0	2	
ALPO0221	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/17/93-06/17/93	0	1	
ALPO0222	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/12/93-05/23/95	1	4	
ALPO0223	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/12/93-05/23/95	1	4	
ALPO0224	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/12/93-05/23/94	0	3	
ALPO0225	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/22/86-07/07/87	0	3	
ALPO0226	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/12/93-05/24/94	0	2	
ALPO0227	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/12/93-12/15/94	1	3	
ALPO0228	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/01/94-07/01/94	0	1	
ALPO0229	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/07/86-07/07/87	1	13	
ALPO0230	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/12/93-05/24/94	0	2	
ALPO0232	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/17/93-06/17/93	0	1	
ALPO0233	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/86-06/02/87	0	5	
ALPO0234	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/94-08/10/94	0	1	
ALPO0235	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/07/86-07/07/87	1	13	
ALPO0236	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-08/16/93	0	1	
ALPO0237	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-08/16/93	0	1	
ALPO0238	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/07/86-07/07/87	1	13	
ALPO0239	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/30/93-08/30/93	0	1	
ALPO0240	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-05/17/95	1	4	
ALPO0241	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-08/16/93	0	1	
ALPO0242	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-09/24/94	1	3	
ALPO0243	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-08/16/93	0	1	
ALPO0244	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/20/94-09/23/94	0	2	
ALPO0245	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/20/94-06/20/94	0	1	
ALPO0246	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/94-10/05/94	0	3	
ALPO0247	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/20/94-06/20/94	0	1	
ALPO0248	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/21/93-06/09/94	0	2	
ALPO0249	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-08/16/93	0	1	
ALPO0250	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/21/93-12/21/93	0	1	
ALPO0251	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/21/93-06/09/94	0	2	
ALPO0252	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/21/93-12/21/93	0	1	
ALPO0253	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-08/16/93	0	1	
ALPO0254	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	05/07/86-07/07/87	1	13	
ALPO0255	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-08/16/93	0	1	
ALPO0256	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/94-05/18/95	0	4	
ALPO0257	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/94-05/18/95	0	4	
ALPO0258	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/94-05/18/95	0	4	
ALPO0259	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/26/72-03/14/74	1	9	
ALPO0260	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/93-07/26/93	0	1	
ALPO0261	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/94-05/18/95	0	3	
ALPO0262	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/06/79-08/11/81	2	6	
ALPO0263	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-08/16/93	0	1	
ALPO0264	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/94-10/11/94	0	3	
ALPO0265	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-11/22/94	1	3	
ALPO0268	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/02/94-11/22/94	0	2	
ALPO0271	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/02/94-11/22/94	0	2	
ALPO0272	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/25/94-08/25/94	0	1	
ALPO0273	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/02/94-08/02/94	0	1	
ALPO0274	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/25/94-08/25/94	0	1	
ALPO0276	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/03/94-11/20/94	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0277	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/94-05/24/95	0	3	
ALPO0278	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/12/93-07/12/93	0	1	
ALPO0279	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/94-12/29/94	0	2	
ALPO0280	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/29/92-07/29/92	0	1	
ALPO0282	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/06/79-05/24/94	14	8	
ALPO0283	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/13/93-07/13/93	0	1	
ALPO0284	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/94-08/10/94	0	1	
ALPO0285	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/29/92-10/16/93	1	5	
ALPO0286	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/27/94-03/19/95	0	3	
ALPO0287	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/29/92-10/19/93	1	5	
ALPO0288	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/94-03/19/95	0	3	
ALPO0289	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/94-03/19/95	0	2	
ALPO0290	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/29/92-07/29/92	0	1	
ALPO0291	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/09/92-11/09/92	0	1	
ALPO0292	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/94-03/19/95	0	3	
ALPO0293	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/27/94-03/19/95	0	3	
ALPO0294	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/94-03/19/95	0	3	
ALPO0295	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/94-03/19/95	0	3	
ALPO0297	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/94-03/19/95	0	3	
ALPO0298	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/94-09/20/94	0	2	
ALPO0299	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/94-09/20/94	0	2	
ALPO0300	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/94-03/19/95	0	3	
ALPO0301	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/94-05/24/95	0	3	
ALPO0302	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/03/92-08/03/92	0	1	
ALPO0303	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/09/92-11/09/92	0	1	
ALPO0304	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/94-05/24/95	0	3	
ALPO0305	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/09/92-11/09/92	0	1	
ALPO0306	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/03/92-08/03/92	0	1	
ALPO0307	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/94-08/10/94	0	1	
ALPO0308	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/19/94-12/06/94	0	2	
ALPO0310	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/19/94-12/06/94	0	2	
ALPO0311	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/15/93-04/19/94	0	2	
ALPO0312	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/15/93-07/15/93	0	1	
ALPO0313	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/03/92-10/16/93	1	2	
ALPO0314	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/29/92-10/16/93	1	4	
ALPO0315	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/23/92-11/23/92	0	1	
ALPO0316	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/94-07/20/94	0	1	
ALPO0317	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/13/93-07/13/93	0	1	
ALPO0319	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/94-12/06/94	0	2	
ALPO0320	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-11/21/94	0	2	
ALPO0321	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/07/94-07/07/94	0	1	
ALPO0324	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/29/92-10/16/93	1	4	
ALPO0325	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/94-12/01/94	0	2	
ALPO0327	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-06/14/94	0	1	
ALPO0328	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/93-05/24/94	0	2	
ALPO0329	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/93-05/24/94	0	2	
ALPO0330	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/29/65-09/29/65	0	1	
ALPO0331	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/14/93-07/14/93	0	1	
ALPO0332	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-06/14/94	0	1	
ALPO0333	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-06/14/94	0	1	
ALPO0334	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	37	229	T,A,S
ALPO0335	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/21/94-11/21/94	0	1	
ALPO0337	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/22/94-08/22/94	0	1	
ALPO0338	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/11/94-11/16/94	0	2	
ALPO0339	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/94-08/15/94	0	2	
ALPO0340	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/94-08/15/94	0	1	
ALPO0341	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/94-08/15/94	0	1	
ALPO0342	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/94-08/15/94	0	1	
ALPO0343	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/27/93-05/23/94	0	2	
ALPO0344	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/94-08/15/94	0	1	
ALPO0345	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/94-11/21/94	0	2	
ALPO0346	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/25/80-04/28/81	0	5	
ALPO0347	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/28/94-05/28/94	0	1	
ALPO0348	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	37	230	T,A,S
ALPO0349	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/94-08/15/94	0	1	
ALPO0350	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/07/26-06/15/76	49	12	
ALPO0351	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/12/59-05/15/97	37	41	S
ALPO0352	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/30/80-04/28/81	0	4	
ALPO0354	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/94-08/15/94	0	1	
ALPO0355	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/11/94-06/14/95	0	3	
ALPO0356	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/05/79-08/14/81	2	6	
ALPO0357	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/21/94-11/21/94	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0358	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/30/80-04/28/81	0	4	
ALPO0359	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/06/79-05/23/94	14	8	
ALPO0360	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/25/94-08/25/94	0	1	
ALPO0361	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/23/93-01/25/96	2	3	
ALPO0362	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/92-01/25/96	3	7	
ALPO0363	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/23/93-05/05/95	1	2	
ALPO0364	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/13/93-11/14/94	1	3	
ALPO0365	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/23/93-09/30/95	1	4	
ALPO0366	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/30/92-04/20/95	2	5	
ALPO0367	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/13/93-09/30/95	2	6	
ALPO0368	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/15/94-04/12/95	0	2	
ALPO0369	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/05/94-01/24/96	1	5	
ALPO0370	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/05/94-01/24/96	1	4	
ALPO0371	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/15/94-11/15/94	0	1	
ALPO0372	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/05/94-01/24/96	1	6	
ALPO0373	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/05/94-08/29/95	1	3	
ALPO0374	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/15/93-10/01/95	2	4	
ALPO0375	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/05/94-01/24/96	1	6	
ALPO0376	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/05/94-01/24/96	1	5	
ALPO0377	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/15/93-01/25/96	2	6	
ALPO0378	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/92-12/20/94	2	4	
ALPO0379	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/30/92-12/20/94	2	4	
ALPO0380	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/15/93-07/15/93	0	1	
ALPO0381	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/15/93-07/15/93	0	1	
ALPO0130	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/14/86-05/04/86	0	2	
ALPO0203	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/14/86-05/04/86	0	2	
ALPO0275	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/14/86-05/04/86	0	2	
ALPO0281	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/14/86-05/04/86	0	2	
ALPO0026	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/03/70-06/03/70	0	1	
ALPO0027	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/03/70-06/03/70	0	1	
ALPO0029	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/03/70-06/03/70	0	1	
ALPO0030	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/03/70-06/03/70	0	1	
ALPO0130	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/14/86-05/04/86	0	2	
ALPO0203	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/14/86-05/04/86	0	2	
ALPO0275	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/14/86-05/04/86	0	2	
ALPO0281	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/14/86-05/04/86	0	2	
ALPO0326	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/15/67-09/15/67	0	1	
ALPO0350	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/20/53-07/08/71	18	3	
ALPO0351	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/12/59-05/15/97	37	18	
ALPO0278	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/12/93-07/12/93	0	1	
ALPO0282	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/28/93-05/24/94	0	2	
ALPO0283	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/13/93-07/13/93	0	1	
ALPO0311	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/15/93-04/19/94	0	2	
ALPO0312	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/15/93-07/15/93	0	1	
ALPO0317	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/13/93-07/13/93	0	1	
ALPO0320	No	00951	FLUORIDE, TOTAL (MG/L AS F)	06/14/94-11/21/94	0	2	
ALPO0321	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/07/94-07/07/94	0	1	
ALPO0327	No	00951	FLUORIDE, TOTAL (MG/L AS F)	06/14/94-06/14/94	0	1	
ALPO0328	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/28/93-05/24/94	0	2	
ALPO0329	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/28/93-05/24/94	0	2	
ALPO0331	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/14/93-07/14/93	0	1	
ALPO0332	No	00951	FLUORIDE, TOTAL (MG/L AS F)	06/14/94-06/14/94	0	1	
ALPO0333	No	00951	FLUORIDE, TOTAL (MG/L AS F)	06/14/94-06/14/94	0	1	
ALPO0335	No	00951	FLUORIDE, TOTAL (MG/L AS F)	11/21/94-11/21/94	0	1	
ALPO0339	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/94-08/15/94	0	2	
ALPO0340	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/94-08/15/94	0	1	
ALPO0341	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/94-08/15/94	0	1	
ALPO0342	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/94-08/15/94	0	1	
ALPO0343	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/27/93-05/23/94	0	2	
ALPO0344	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/94-08/15/94	0	1	
ALPO0345	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/94-11/21/94	0	2	
ALPO0348	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/08/70-07/08/70	0	1	
ALPO0349	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/94-08/15/94	0	1	
ALPO0351	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/27/93-05/23/94	0	2	
ALPO0354	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/94-08/15/94	0	1	
ALPO0357	No	00951	FLUORIDE, TOTAL (MG/L AS F)	11/21/94-11/21/94	0	1	
ALPO0359	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/28/93-05/23/94	0	2	
ALPO0130	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/14/86-05/04/86	0	2	
ALPO0203	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/14/86-05/04/86	0	2	
ALPO0275	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/14/86-05/04/86	0	2	
ALPO0281	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/14/86-05/04/86	0	2	
ALPO0350	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/07/26-07/08/71	44	4	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0351	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/12/59-05/15/97	37	18	
ALPO0004	No	00956	SILICA, TOTAL (MG/L AS SI02)	07/16/90-08/15/96	6	11	
ALPO0010	No	00956	SILICA, TOTAL (MG/L AS SI02)	07/17/90-11/06/96	6	12	
ALPO0016	No	00956	SILICA, TOTAL (MG/L AS SI02)	07/17/90-09/06/96	6	12	
ALPO0018	No	00956	SILICA, TOTAL (MG/L AS SI02)	07/17/90-10/31/96	6	12	
ALPO0021	No	00956	SILICA, TOTAL (MG/L AS SI02)	07/17/90-09/06/96	6	12	
ALPO0022	No	00956	SILICA, TOTAL (MG/L AS SI02)	07/17/90-10/31/96	6	11	
ALPO0334	No	00997	ARSENIC, INORGANIC TOT (UG/L AS AS)	06/06/74-06/06/74	0	1	
ALPO0348	No	00997	ARSENIC, INORGANIC TOT (UG/L AS AS)	06/06/74-06/06/74	0	1	
ALPO0351	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	05/15/97-05/15/97	0	1	
ALPO0004	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/23/87-08/15/96	9	15	
ALPO0010	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/09/87-11/06/96	9	16	
ALPO0016	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/22/87-09/06/96	9	16	
ALPO0018	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/08/87-10/31/96	9	16	
ALPO0021	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/08/87-09/06/96	9	16	
ALPO0022	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/08/87-10/31/96	9	15	
ALPO0334	No	01002	ARSENIC, TOTAL (UG/L AS AS)	12/06/79-09/23/86	6	7	
ALPO0348	No	01002	ARSENIC, TOTAL (UG/L AS AS)	12/06/79-09/23/86	6	7	
ALPO0351	No	01002	ARSENIC, TOTAL (UG/L AS AS)	11/05/79-11/05/79	0	1	
ALPO0007	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/14/79-08/14/79	0	1	
ALPO0199	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/20/80-08/20/80	0	1	
ALPO0262	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/06/79-08/06/79	0	1	
ALPO0282	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/18/80-08/18/80	0	1	
ALPO0356	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/09/79-08/09/79	0	1	
ALPO0359	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/23/80-08/23/80	0	1	
ALPO0351	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	05/15/97-05/15/97	0	1	
ALPO0004	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/23/87-08/15/96	9	15	
ALPO0010	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/09/87-11/06/96	9	16	
ALPO0016	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/22/87-09/06/96	9	16	
ALPO0018	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/08/87-10/31/96	9	16	
ALPO0021	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/08/87-09/06/96	9	16	
ALPO0022	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/08/87-10/31/96	9	15	
ALPO0346	No	01007	BARIUM, TOTAL (UG/L AS BA)	02/11/81-04/28/81	0	3	
ALPO0351	No	01007	BARIUM, TOTAL (UG/L AS BA)	11/05/79-11/05/79	0	1	
ALPO0352	No	01007	BARIUM, TOTAL (UG/L AS BA)	02/11/81-04/28/81	0	3	
ALPO0358	No	01007	BARIUM, TOTAL (UG/L AS BA)	02/11/81-04/28/81	0	3	
ALPO0351	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/15/97-05/15/97	0	1	
ALPO0346	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/11/81-04/28/81	0	3	
ALPO0352	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/11/81-04/28/81	0	3	
ALPO0358	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/11/81-04/28/81	0	3	
ALPO0351	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/15/97-05/15/97	0	1	
ALPO0004	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/23/87-08/15/96	9	15	
ALPO0010	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/09/87-11/06/96	9	16	
ALPO0016	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/22/87-09/06/96	9	16	
ALPO0018	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/08/87-10/31/96	9	16	
ALPO0021	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/08/87-09/06/96	9	16	
ALPO0022	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/08/87-10/31/96	9	15	
ALPO0334	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/06/74-09/24/87	13	13	
ALPO0346	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/80-04/28/81	0	5	
ALPO0348	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/06/74-09/24/87	13	13	
ALPO0351	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/05/79-11/05/79	0	1	
ALPO0352	No	01027	CADMIUM, TOTAL (UG/L AS CD)	12/30/80-04/28/81	0	4	
ALPO0358	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/80-04/28/81	0	6	
ALPO0007	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/14/79-08/14/79	0	1	
ALPO0199	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/20/80-08/20/80	0	1	
ALPO0262	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/06/79-08/06/79	0	1	
ALPO0282	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/80-08/18/80	0	1	
ALPO0356	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/09/79-08/09/79	0	1	
ALPO0359	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/23/80-08/23/80	0	1	
ALPO0007	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/14/79-08/14/79	0	1	
ALPO0199	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/20/80-08/20/80	0	1	
ALPO0262	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/06/79-08/06/79	0	1	
ALPO0282	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/80-08/18/80	0	1	
ALPO0356	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/09/79-08/09/79	0	1	
ALPO0359	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/23/80-08/23/80	0	1	
ALPO0351	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/15/97-05/15/97	0	1	
ALPO0004	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/87-08/15/96	9	15	
ALPO0010	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/09/87-11/06/96	9	16	
ALPO0016	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/22/87-09/06/96	9	16	
ALPO0018	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/08/87-10/31/96	9	16	
ALPO0021	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/08/87-09/06/96	9	16	
ALPO0022	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/08/87-10/31/96	9	15	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0334	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/06/74-09/24/87	13	13	
ALPO0346	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/25/80-04/28/81	0	5	
ALPO0348	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/06/74-09/24/87	13	13	
ALPO0351	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/05/79-11/05/79	0	1	
ALPO0352	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	12/30/80-04/28/81	0	4	
ALPO0358	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/25/80-04/28/81	0	6	
ALPO0351	No	01035	COBALT, DISSOLVED (UG/L AS CO)	05/15/97-05/15/97	0	1	
ALPO0007	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/14/79-08/14/79	0	1	
ALPO0199	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/20/80-08/20/80	0	1	
ALPO0262	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/06/79-08/06/79	0	1	
ALPO0282	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/18/80-08/18/80	0	1	
ALPO0356	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/09/79-08/09/79	0	1	
ALPO0359	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/23/80-08/23/80	0	1	
ALPO0351	No	01040	COPPER, DISSOLVED (UG/L AS CU)	05/15/97-05/15/97	0	1	
ALPO0004	No	01042	COPPER, TOTAL (UG/L AS CU)	04/23/87-08/15/96	9	15	
ALPO0010	No	01042	COPPER, TOTAL (UG/L AS CU)	04/09/87-11/06/96	9	16	
ALPO0016	No	01042	COPPER, TOTAL (UG/L AS CU)	04/22/87-09/06/96	9	16	
ALPO0018	No	01042	COPPER, TOTAL (UG/L AS CU)	04/08/87-10/31/96	9	16	
ALPO0021	No	01042	COPPER, TOTAL (UG/L AS CU)	04/08/87-09/06/96	9	16	
ALPO0022	No	01042	COPPER, TOTAL (UG/L AS CU)	04/08/87-10/31/96	9	15	
ALPO0334	No	01042	COPPER, TOTAL (UG/L AS CU)	06/06/74-01/07/88	13	14	
ALPO0346	No	01042	COPPER, TOTAL (UG/L AS CU)	11/25/80-04/28/81	0	5	
ALPO0348	No	01042	COPPER, TOTAL (UG/L AS CU)	06/06/74-01/07/88	13	14	
ALPO0351	No	01042	COPPER, TOTAL (UG/L AS CU)	11/05/79-11/05/79	0	1	
ALPO0352	No	01042	COPPER, TOTAL (UG/L AS CU)	12/30/80-04/28/81	0	4	
ALPO0358	No	01042	COPPER, TOTAL (UG/L AS CU)	11/25/80-04/28/81	0	6	
ALPO0007	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/14/79-08/14/79	0	1	
ALPO0199	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/20/80-08/20/80	0	1	
ALPO0262	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/06/79-08/06/79	0	1	
ALPO0282	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/18/80-08/18/80	0	1	
ALPO0356	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/09/79-08/09/79	0	1	
ALPO0359	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/23/80-08/23/80	0	1	
ALPO0007	No	01044	IRON, SUSPENDED (UG/L AS FE)	06/08/79-08/13/81	2	6	
ALPO0011	No	01044	IRON, SUSPENDED (UG/L AS FE)	06/08/79-08/13/81	2	5	
ALPO0012	No	01044	IRON, SUSPENDED (UG/L AS FE)	06/08/79-08/13/81	2	6	
ALPO0014	No	01044	IRON, SUSPENDED (UG/L AS FE)	06/08/79-08/13/81	2	6	
ALPO0199	No	01044	IRON, SUSPENDED (UG/L AS FE)	06/06/79-08/14/81	2	6	
ALPO0262	No	01044	IRON, SUSPENDED (UG/L AS FE)	06/06/79-08/11/81	2	6	
ALPO0282	No	01044	IRON, SUSPENDED (UG/L AS FE)	06/06/79-08/14/81	2	6	
ALPO0351	No	01044	IRON, SUSPENDED (UG/L AS FE)	01/08/80-09/22/81	1	13	
ALPO0356	No	01044	IRON, SUSPENDED (UG/L AS FE)	06/05/79-08/14/81	2	6	
ALPO0359	No	01044	IRON, SUSPENDED (UG/L AS FE)	06/06/79-08/12/81	2	6	
ALPO0004	No	01045	IRON, TOTAL (UG/L AS FE)	04/23/87-08/15/96	9	21	
ALPO0007	No	01045	IRON, TOTAL (UG/L AS FE)	06/08/79-08/13/81	2	6	
ALPO0010	No	01045	IRON, TOTAL (UG/L AS FE)	04/09/87-11/06/96	9	22	
ALPO0011	No	01045	IRON, TOTAL (UG/L AS FE)	06/08/79-08/13/81	2	5	
ALPO0012	No	01045	IRON, TOTAL (UG/L AS FE)	06/08/79-08/13/81	2	6	
ALPO0014	No	01045	IRON, TOTAL (UG/L AS FE)	06/08/79-08/13/81	2	6	
ALPO0016	No	01045	IRON, TOTAL (UG/L AS FE)	04/22/87-09/06/96	9	22	
ALPO0018	No	01045	IRON, TOTAL (UG/L AS FE)	04/08/87-10/31/96	9	22	
ALPO0021	No	01045	IRON, TOTAL (UG/L AS FE)	04/08/87-09/06/96	9	22	
ALPO0022	No	01045	IRON, TOTAL (UG/L AS FE)	04/08/87-10/31/96	9	21	
ALPO0026	No	01045	IRON, TOTAL (UG/L AS FE)	06/03/70-06/03/70	0	1	
ALPO0027	No	01045	IRON, TOTAL (UG/L AS FE)	06/03/70-12/21/76	6	2	
ALPO0031	No	01045	IRON, TOTAL (UG/L AS FE)	06/13/94-06/13/94	0	1	
ALPO0032	No	01045	IRON, TOTAL (UG/L AS FE)	06/13/94-06/13/94	0	1	
ALPO0033	No	01045	IRON, TOTAL (UG/L AS FE)	06/13/94-06/13/94	0	1	
ALPO0035	No	01045	IRON, TOTAL (UG/L AS FE)	08/01/94-08/01/94	0	1	
ALPO0037	No	01045	IRON, TOTAL (UG/L AS FE)	06/13/94-06/13/94	0	1	
ALPO0038	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/94-06/14/94	0	1	
ALPO0039	No	01045	IRON, TOTAL (UG/L AS FE)	06/02/92-06/02/93	1	5	
ALPO0040	No	01045	IRON, TOTAL (UG/L AS FE)	08/03/93-04/03/96	2	4	
ALPO0041	No	01045	IRON, TOTAL (UG/L AS FE)	06/02/92-06/02/93	1	6	
ALPO0042	No	01045	IRON, TOTAL (UG/L AS FE)	08/03/93-04/03/96	2	4	
ALPO0043	No	01045	IRON, TOTAL (UG/L AS FE)	06/13/94-06/13/94	0	1	
ALPO0044	No	01045	IRON, TOTAL (UG/L AS FE)	08/03/93-06/13/94	0	2	
ALPO0045	No	01045	IRON, TOTAL (UG/L AS FE)	11/01/94-04/03/96	1	2	
ALPO0046	No	01045	IRON, TOTAL (UG/L AS FE)	04/03/96-04/03/96	0	1	
ALPO0047	No	01045	IRON, TOTAL (UG/L AS FE)	06/09/92-06/02/93	0	5	
ALPO0048	No	01045	IRON, TOTAL (UG/L AS FE)	06/13/94-06/13/94	0	1	
ALPO0049	No	01045	IRON, TOTAL (UG/L AS FE)	06/13/94-06/13/94	0	1	
ALPO0051	No	01045	IRON, TOTAL (UG/L AS FE)	08/06/92-10/15/92	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0052	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/94-06/14/94	0	1	
ALPO0053	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/94-06/14/94	0	1	
ALPO0055	No	01045	IRON, TOTAL (UG/L AS FE)	06/10/92-06/10/92	0	1	
ALPO0058	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/94-04/04/96	1	2	
ALPO0059	No	01045	IRON, TOTAL (UG/L AS FE)	07/27/92-04/04/96	3	5	
ALPO0062	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/94-04/04/96	1	3	
ALPO0066	No	01045	IRON, TOTAL (UG/L AS FE)	06/02/92-06/03/93	1	6	
ALPO0067	No	01045	IRON, TOTAL (UG/L AS FE)	03/06/93-03/06/93	0	1	
ALPO0068	No	01045	IRON, TOTAL (UG/L AS FE)	06/02/92-06/03/93	1	6	
ALPO0069	No	01045	IRON, TOTAL (UG/L AS FE)	03/06/93-03/06/93	0	1	
ALPO0070	No	01045	IRON, TOTAL (UG/L AS FE)	06/02/92-11/06/93	1	3	
ALPO0071	No	01045	IRON, TOTAL (UG/L AS FE)	06/02/92-06/03/93	1	5	
ALPO0072	No	01045	IRON, TOTAL (UG/L AS FE)	06/02/92-06/03/93	1	5	
ALPO0073	No	01045	IRON, TOTAL (UG/L AS FE)	06/07/93-06/07/93	0	1	
ALPO0074	No	01045	IRON, TOTAL (UG/L AS FE)	06/07/93-06/07/93	0	1	
ALPO0075	No	01045	IRON, TOTAL (UG/L AS FE)	06/09/92-06/03/93	0	4	
ALPO0077	No	01045	IRON, TOTAL (UG/L AS FE)	06/07/93-06/07/93	0	1	
ALPO0078	No	01045	IRON, TOTAL (UG/L AS FE)	06/09/92-06/09/92	0	1	
ALPO0080	No	01045	IRON, TOTAL (UG/L AS FE)	06/09/92-06/09/92	0	1	
ALPO0081	No	01045	IRON, TOTAL (UG/L AS FE)	06/08/94-04/04/95	0	4	
ALPO0082	No	01045	IRON, TOTAL (UG/L AS FE)	06/08/93-06/08/93	0	1	
ALPO0083	No	01045	IRON, TOTAL (UG/L AS FE)	09/22/94-09/22/94	0	1	
ALPO0084	No	01045	IRON, TOTAL (UG/L AS FE)	06/08/93-06/08/93	0	1	
ALPO0085	No	01045	IRON, TOTAL (UG/L AS FE)	06/07/93-06/07/93	0	1	
ALPO0086	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/93-06/14/93	0	1	
ALPO0087	No	01045	IRON, TOTAL (UG/L AS FE)	06/07/93-06/07/93	0	1	
ALPO0088	No	01045	IRON, TOTAL (UG/L AS FE)	06/07/93-06/07/93	0	1	
ALPO0089	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/93-06/14/93	0	1	
ALPO0090	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/93-06/14/93	0	1	
ALPO0091	No	01045	IRON, TOTAL (UG/L AS FE)	07/20/93-02/01/95	1	4	
ALPO0092	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/93-06/14/93	0	1	
ALPO0093	No	01045	IRON, TOTAL (UG/L AS FE)	07/20/93-02/01/95	1	4	
ALPO0094	No	01045	IRON, TOTAL (UG/L AS FE)	06/08/93-06/08/93	0	1	
ALPO0095	No	01045	IRON, TOTAL (UG/L AS FE)	07/27/92-07/27/92	0	1	
ALPO0096	No	01045	IRON, TOTAL (UG/L AS FE)	07/27/92-07/27/92	0	1	
ALPO0097	No	01045	IRON, TOTAL (UG/L AS FE)	06/07/93-06/01/94	0	2	
ALPO0098	No	01045	IRON, TOTAL (UG/L AS FE)	06/09/93-02/01/95	1	2	
ALPO0099	No	01045	IRON, TOTAL (UG/L AS FE)	06/30/93-06/30/93	0	1	
ALPO0100	No	01045	IRON, TOTAL (UG/L AS FE)	06/30/93-12/08/94	1	3	
ALPO0101	No	01045	IRON, TOTAL (UG/L AS FE)	07/13/93-04/06/95	1	4	
ALPO0102	No	01045	IRON, TOTAL (UG/L AS FE)	06/30/93-06/30/93	0	1	
ALPO0103	No	01045	IRON, TOTAL (UG/L AS FE)	06/07/93-11/29/94	1	3	
ALPO0104	No	01045	IRON, TOTAL (UG/L AS FE)	06/01/94-03/14/95	0	3	
ALPO0105	No	01045	IRON, TOTAL (UG/L AS FE)	06/30/93-06/30/93	0	1	
ALPO0106	No	01045	IRON, TOTAL (UG/L AS FE)	08/01/94-10/13/94	0	2	
ALPO0107	No	01045	IRON, TOTAL (UG/L AS FE)	08/01/94-10/13/94	0	2	
ALPO0108	No	01045	IRON, TOTAL (UG/L AS FE)	06/30/93-06/30/93	0	1	
ALPO0109	No	01045	IRON, TOTAL (UG/L AS FE)	06/30/93-06/30/93	0	1	
ALPO0110	No	01045	IRON, TOTAL (UG/L AS FE)	07/01/93-03/14/95	1	4	
ALPO0111	No	01045	IRON, TOTAL (UG/L AS FE)	06/01/94-12/08/94	0	2	
ALPO0112	No	01045	IRON, TOTAL (UG/L AS FE)	06/30/93-06/30/93	0	1	
ALPO0113	No	01045	IRON, TOTAL (UG/L AS FE)	05/31/94-05/31/94	0	1	
ALPO0114	No	01045	IRON, TOTAL (UG/L AS FE)	06/30/93-06/30/93	0	1	
ALPO0115	No	01045	IRON, TOTAL (UG/L AS FE)	06/03/93-06/03/93	0	1	
ALPO0116	No	01045	IRON, TOTAL (UG/L AS FE)	06/01/94-06/01/94	0	1	
ALPO0117	No	01045	IRON, TOTAL (UG/L AS FE)	07/06/93-07/06/93	0	1	
ALPO0118	No	01045	IRON, TOTAL (UG/L AS FE)	06/01/94-03/14/95	0	3	
ALPO0119	No	01045	IRON, TOTAL (UG/L AS FE)	07/06/93-07/06/93	0	1	
ALPO0120	No	01045	IRON, TOTAL (UG/L AS FE)	06/03/93-11/29/94	1	2	
ALPO0121	No	01045	IRON, TOTAL (UG/L AS FE)	06/03/93-06/03/93	0	1	
ALPO0122	No	01045	IRON, TOTAL (UG/L AS FE)	07/06/93-06/01/94	0	2	
ALPO0123	No	01045	IRON, TOTAL (UG/L AS FE)	06/03/93-06/03/93	0	1	
ALPO0124	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/93-06/06/94	0	2	
ALPO0125	No	01045	IRON, TOTAL (UG/L AS FE)	06/02/93-04/06/95	1	4	
ALPO0126	No	01045	IRON, TOTAL (UG/L AS FE)	06/02/93-06/01/94	0	2	
ALPO0127	No	01045	IRON, TOTAL (UG/L AS FE)	06/29/93-06/29/93	0	1	
ALPO0128	No	01045	IRON, TOTAL (UG/L AS FE)	06/02/93-06/01/94	0	2	
ALPO0129	No	01045	IRON, TOTAL (UG/L AS FE)	06/29/93-03/07/95	1	4	
ALPO0131	No	01045	IRON, TOTAL (UG/L AS FE)	06/09/93-06/09/93	0	1	
ALPO0132	No	01045	IRON, TOTAL (UG/L AS FE)	06/30/93-03/07/95	1	4	
ALPO0133	No	01045	IRON, TOTAL (UG/L AS FE)	06/29/93-03/07/95	1	4	
ALPO0134	No	01045	IRON, TOTAL (UG/L AS FE)	07/27/94-04/04/95	0	3	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0135	No	01045	IRON, TOTAL (UG/L AS FE)	06/07/93-10/13/94	1	4	
ALPO0136	No	01045	IRON, TOTAL (UG/L AS FE)	06/06/94-06/06/94	0	1	
ALPO0137	No	01045	IRON, TOTAL (UG/L AS FE)	06/07/93-10/13/94	1	4	
ALPO0138	No	01045	IRON, TOTAL (UG/L AS FE)	06/07/93-06/07/93	0	1	
ALPO0139	No	01045	IRON, TOTAL (UG/L AS FE)	06/29/93-06/29/93	0	1	
ALPO0140	No	01045	IRON, TOTAL (UG/L AS FE)	06/29/93-06/29/93	0	1	
ALPO0141	No	01045	IRON, TOTAL (UG/L AS FE)	06/29/93-06/29/93	0	1	
ALPO0142	No	01045	IRON, TOTAL (UG/L AS FE)	08/05/92-04/06/95	2	8	
ALPO0143	No	01045	IRON, TOTAL (UG/L AS FE)	11/30/92-11/30/92	0	1	
ALPO0144	No	01045	IRON, TOTAL (UG/L AS FE)	11/30/92-11/30/92	0	1	
ALPO0145	No	01045	IRON, TOTAL (UG/L AS FE)	06/16/94-04/06/95	0	2	
ALPO0146	No	01045	IRON, TOTAL (UG/L AS FE)	06/07/93-06/06/94	0	2	
ALPO0147	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/93-06/14/93	0	1	
ALPO0148	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/93-06/14/93	0	1	
ALPO0149	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/93-04/06/95	1	3	
ALPO0150	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/93-06/14/93	0	1	
ALPO0151	No	01045	IRON, TOTAL (UG/L AS FE)	07/27/94-12/15/94	0	2	
ALPO0152	No	01045	IRON, TOTAL (UG/L AS FE)	11/28/92-05/31/94	1	6	
ALPO0153	No	01045	IRON, TOTAL (UG/L AS FE)	01/28/93-05/31/94	1	4	
ALPO0154	No	01045	IRON, TOTAL (UG/L AS FE)	06/29/93-06/29/93	0	1	
ALPO0155	No	01045	IRON, TOTAL (UG/L AS FE)	12/22/92-11/06/93	0	4	
ALPO0156	No	01045	IRON, TOTAL (UG/L AS FE)	06/29/93-06/29/93	0	1	
ALPO0157	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/93-03/16/95	1	4	
ALPO0158	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/93-06/14/93	0	1	
ALPO0159	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/93-06/14/93	0	1	
ALPO0160	No	01045	IRON, TOTAL (UG/L AS FE)	08/18/93-03/07/95	1	4	
ALPO0161	No	01045	IRON, TOTAL (UG/L AS FE)	08/18/93-03/13/95	1	4	
ALPO0162	No	01045	IRON, TOTAL (UG/L AS FE)	08/18/93-03/13/95	1	4	
ALPO0163	No	01045	IRON, TOTAL (UG/L AS FE)	05/29/86-07/07/87	1	10	
ALPO0164	No	01045	IRON, TOTAL (UG/L AS FE)	08/01/94-08/01/94	0	1	
ALPO0165	No	01045	IRON, TOTAL (UG/L AS FE)	07/22/86-07/22/86	0	1	
ALPO0166	No	01045	IRON, TOTAL (UG/L AS FE)	08/01/94-08/01/94	0	1	
ALPO0168	No	01045	IRON, TOTAL (UG/L AS FE)	06/29/93-06/29/93	0	1	
ALPO0169	No	01045	IRON, TOTAL (UG/L AS FE)	07/27/93-07/27/93	0	1	
ALPO0170	No	01045	IRON, TOTAL (UG/L AS FE)	06/28/93-05/25/94	0	2	
ALPO0171	No	01045	IRON, TOTAL (UG/L AS FE)	06/28/93-05/23/95	1	4	
ALPO0172	No	01045	IRON, TOTAL (UG/L AS FE)	06/28/93-05/25/94	0	2	
ALPO0173	No	01045	IRON, TOTAL (UG/L AS FE)	07/28/93-10/19/94	1	3	
ALPO0174	No	01045	IRON, TOTAL (UG/L AS FE)	07/28/93-12/15/94	1	3	
ALPO0175	No	01045	IRON, TOTAL (UG/L AS FE)	08/01/94-08/01/94	0	1	
ALPO0176	No	01045	IRON, TOTAL (UG/L AS FE)	07/28/93-05/16/95	1	4	
ALPO0177	No	01045	IRON, TOTAL (UG/L AS FE)	05/07/86-07/07/87	1	12	
ALPO0178	No	01045	IRON, TOTAL (UG/L AS FE)	06/25/86-07/07/87	1	5	
ALPO0179	No	01045	IRON, TOTAL (UG/L AS FE)	07/12/93-07/12/93	0	1	
ALPO0180	No	01045	IRON, TOTAL (UG/L AS FE)	08/05/93-08/05/93	0	1	
ALPO0181	No	01045	IRON, TOTAL (UG/L AS FE)	08/12/93-06/06/94	0	2	
ALPO0182	No	01045	IRON, TOTAL (UG/L AS FE)	08/12/93-06/06/94	0	2	
ALPO0183	No	01045	IRON, TOTAL (UG/L AS FE)	08/12/93-06/05/94	0	2	
ALPO0184	No	01045	IRON, TOTAL (UG/L AS FE)	08/12/93-08/12/93	0	1	
ALPO0185	No	01045	IRON, TOTAL (UG/L AS FE)	08/12/93-08/12/93	0	1	
ALPO0186	No	01045	IRON, TOTAL (UG/L AS FE)	04/11/95-04/11/95	0	1	
ALPO0187	No	01045	IRON, TOTAL (UG/L AS FE)	08/12/93-08/12/93	0	1	
ALPO0188	No	01045	IRON, TOTAL (UG/L AS FE)	08/12/93-08/12/93	0	1	
ALPO0189	No	01045	IRON, TOTAL (UG/L AS FE)	08/15/93-06/05/94	0	2	
ALPO0190	No	01045	IRON, TOTAL (UG/L AS FE)	06/24/93-06/13/95	1	3	
ALPO0191	No	01045	IRON, TOTAL (UG/L AS FE)	06/24/93-06/24/93	0	1	
ALPO0192	No	01045	IRON, TOTAL (UG/L AS FE)	06/22/93-03/15/95	1	3	
ALPO0193	No	01045	IRON, TOTAL (UG/L AS FE)	06/22/93-06/08/94	0	2	
ALPO0194	No	01045	IRON, TOTAL (UG/L AS FE)	06/29/93-06/29/93	0	1	
ALPO0195	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/93-06/14/93	0	1	
ALPO0196	No	01045	IRON, TOTAL (UG/L AS FE)	07/28/93-10/03/94	1	3	
ALPO0197	No	01045	IRON, TOTAL (UG/L AS FE)	05/25/94-05/25/94	0	1	
ALPO0198	No	01045	IRON, TOTAL (UG/L AS FE)	08/04/93-09/29/94	1	3	
ALPO0199	No	01045	IRON, TOTAL (UG/L AS FE)	06/06/79-08/14/81	2	6	
ALPO0200	No	01045	IRON, TOTAL (UG/L AS FE)	05/25/94-05/25/94	0	1	
ALPO0201	No	01045	IRON, TOTAL (UG/L AS FE)	08/04/93-09/29/94	1	3	
ALPO0202	No	01045	IRON, TOTAL (UG/L AS FE)	12/21/93-12/21/93	0	1	
ALPO0204	No	01045	IRON, TOTAL (UG/L AS FE)	05/25/94-05/25/94	0	1	
ALPO0205	No	01045	IRON, TOTAL (UG/L AS FE)	06/24/93-06/24/93	0	1	
ALPO0206	No	01045	IRON, TOTAL (UG/L AS FE)	06/15/93-06/15/93	0	1	
ALPO0207	No	01045	IRON, TOTAL (UG/L AS FE)	08/05/93-08/05/93	0	1	
ALPO0208	No	01045	IRON, TOTAL (UG/L AS FE)	06/15/93-06/15/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0209	No	01045	IRON, TOTAL (UG/L AS FE)	08/16/93-04/11/95	1	4	
ALPO0210	No	01045	IRON, TOTAL (UG/L AS FE)	07/26/93-07/26/93	0	1	
ALPO0211	No	01045	IRON, TOTAL (UG/L AS FE)	08/16/93-04/11/95	1	4	
ALPO0212	No	01045	IRON, TOTAL (UG/L AS FE)	08/05/93-08/05/93	0	1	
ALPO0213	No	01045	IRON, TOTAL (UG/L AS FE)	07/26/93-07/26/93	0	1	
ALPO0214	No	01045	IRON, TOTAL (UG/L AS FE)	08/16/93-08/16/93	0	1	
ALPO0215	No	01045	IRON, TOTAL (UG/L AS FE)	06/15/93-06/15/93	0	1	
ALPO0216	No	01045	IRON, TOTAL (UG/L AS FE)	06/15/93-06/15/93	0	1	
ALPO0217	No	01045	IRON, TOTAL (UG/L AS FE)	06/15/93-06/15/93	0	1	
ALPO0218	No	01045	IRON, TOTAL (UG/L AS FE)	08/04/93-09/29/94	1	3	
ALPO0219	No	01045	IRON, TOTAL (UG/L AS FE)	08/04/93-05/23/94	0	2	
ALPO0220	No	01045	IRON, TOTAL (UG/L AS FE)	08/04/93-05/23/94	0	2	
ALPO0221	No	01045	IRON, TOTAL (UG/L AS FE)	06/17/93-06/17/93	0	1	
ALPO0222	No	01045	IRON, TOTAL (UG/L AS FE)	07/12/93-05/23/95	1	4	
ALPO0223	No	01045	IRON, TOTAL (UG/L AS FE)	07/12/93-05/23/95	1	4	
ALPO0224	No	01045	IRON, TOTAL (UG/L AS FE)	07/12/93-05/23/94	0	3	
ALPO0225	No	01045	IRON, TOTAL (UG/L AS FE)	07/22/86-07/07/87	0	3	
ALPO0226	No	01045	IRON, TOTAL (UG/L AS FE)	07/12/93-05/24/94	0	2	
ALPO0227	No	01045	IRON, TOTAL (UG/L AS FE)	07/12/93-12/15/94	1	3	
ALPO0228	No	01045	IRON, TOTAL (UG/L AS FE)	07/01/94-07/01/94	0	1	
ALPO0229	No	01045	IRON, TOTAL (UG/L AS FE)	05/07/86-07/07/87	1	12	
ALPO0230	No	01045	IRON, TOTAL (UG/L AS FE)	07/12/93-05/24/94	0	2	
ALPO0232	No	01045	IRON, TOTAL (UG/L AS FE)	06/17/93-06/17/93	0	1	
ALPO0233	No	01045	IRON, TOTAL (UG/L AS FE)	06/25/86-06/02/87	0	4	
ALPO0234	No	01045	IRON, TOTAL (UG/L AS FE)	08/10/94-08/10/94	0	1	
ALPO0235	No	01045	IRON, TOTAL (UG/L AS FE)	05/07/86-07/07/87	1	12	
ALPO0236	No	01045	IRON, TOTAL (UG/L AS FE)	08/16/93-08/16/93	0	1	
ALPO0237	No	01045	IRON, TOTAL (UG/L AS FE)	08/16/93-08/16/93	0	1	
ALPO0238	No	01045	IRON, TOTAL (UG/L AS FE)	05/29/86-07/07/87	1	11	
ALPO0239	No	01045	IRON, TOTAL (UG/L AS FE)	08/30/93-08/30/93	0	1	
ALPO0240	No	01045	IRON, TOTAL (UG/L AS FE)	08/16/93-05/17/95	1	4	
ALPO0241	No	01045	IRON, TOTAL (UG/L AS FE)	08/16/93-08/16/93	0	1	
ALPO0242	No	01045	IRON, TOTAL (UG/L AS FE)	08/16/93-06/20/94	0	2	
ALPO0243	No	01045	IRON, TOTAL (UG/L AS FE)	08/16/93-08/16/93	0	1	
ALPO0244	No	01045	IRON, TOTAL (UG/L AS FE)	06/20/94-09/23/94	0	2	
ALPO0245	No	01045	IRON, TOTAL (UG/L AS FE)	06/20/94-06/20/94	0	1	
ALPO0246	No	01045	IRON, TOTAL (UG/L AS FE)	07/26/94-10/05/94	0	3	
ALPO0247	No	01045	IRON, TOTAL (UG/L AS FE)	06/20/94-06/20/94	0	1	
ALPO0248	No	01045	IRON, TOTAL (UG/L AS FE)	12/21/93-06/09/94	0	2	
ALPO0249	No	01045	IRON, TOTAL (UG/L AS FE)	08/16/93-08/16/93	0	1	
ALPO0250	No	01045	IRON, TOTAL (UG/L AS FE)	12/21/93-12/21/93	0	1	
ALPO0251	No	01045	IRON, TOTAL (UG/L AS FE)	12/21/93-06/09/94	0	2	
ALPO0252	No	01045	IRON, TOTAL (UG/L AS FE)	12/21/93-12/21/93	0	1	
ALPO0253	Yes	01045	IRON, TOTAL (UG/L AS FE)	08/16/93-08/16/93	0	1	
ALPO0254	Yes	01045	IRON, TOTAL (UG/L AS FE)	05/07/86-07/07/87	1	12	
ALPO0255	Yes	01045	IRON, TOTAL (UG/L AS FE)	08/16/93-08/16/93	0	1	
ALPO0256	No	01045	IRON, TOTAL (UG/L AS FE)	07/26/94-05/18/95	0	4	
ALPO0257	No	01045	IRON, TOTAL (UG/L AS FE)	07/26/94-05/18/95	0	4	
ALPO0258	No	01045	IRON, TOTAL (UG/L AS FE)	07/26/94-05/18/95	0	4	
ALPO0259	No	01045	IRON, TOTAL (UG/L AS FE)	09/26/72-03/14/74	1	9	
ALPO0260	No	01045	IRON, TOTAL (UG/L AS FE)	07/26/93-07/26/93	0	1	
ALPO0261	No	01045	IRON, TOTAL (UG/L AS FE)	07/26/94-05/18/95	0	3	
ALPO0262	No	01045	IRON, TOTAL (UG/L AS FE)	06/06/79-08/11/81	2	6	
ALPO0263	No	01045	IRON, TOTAL (UG/L AS FE)	08/16/93-08/16/93	0	1	
ALPO0264	No	01045	IRON, TOTAL (UG/L AS FE)	07/26/94-10/11/94	0	3	
ALPO0265	No	01045	IRON, TOTAL (UG/L AS FE)	08/16/93-11/22/94	1	3	
ALPO0268	No	01045	IRON, TOTAL (UG/L AS FE)	08/02/94-11/22/94	0	2	
ALPO0271	No	01045	IRON, TOTAL (UG/L AS FE)	08/02/94-11/22/94	0	2	
ALPO0272	No	01045	IRON, TOTAL (UG/L AS FE)	08/25/94-08/25/94	0	1	
ALPO0273	No	01045	IRON, TOTAL (UG/L AS FE)	08/02/94-08/02/94	0	1	
ALPO0274	No	01045	IRON, TOTAL (UG/L AS FE)	08/25/94-08/25/94	0	1	
ALPO0276	No	01045	IRON, TOTAL (UG/L AS FE)	08/03/94-11/20/94	0	2	
ALPO0277	No	01045	IRON, TOTAL (UG/L AS FE)	07/26/94-05/24/95	0	3	
ALPO0278	No	01045	IRON, TOTAL (UG/L AS FE)	07/12/93-07/12/93	0	1	
ALPO0279	No	01045	IRON, TOTAL (UG/L AS FE)	07/26/94-12/29/94	0	2	
ALPO0280	No	01045	IRON, TOTAL (UG/L AS FE)	07/29/92-07/29/92	0	1	
ALPO0282	No	01045	IRON, TOTAL (UG/L AS FE)	06/06/79-05/24/94	14	8	
ALPO0283	No	01045	IRON, TOTAL (UG/L AS FE)	07/13/93-07/13/93	0	1	
ALPO0284	No	01045	IRON, TOTAL (UG/L AS FE)	08/10/94-08/10/94	0	1	
ALPO0285	No	01045	IRON, TOTAL (UG/L AS FE)	07/29/92-10/16/93	1	5	
ALPO0286	No	01045	IRON, TOTAL (UG/L AS FE)	07/27/94-03/19/95	0	3	
ALPO0287	No	01045	IRON, TOTAL (UG/L AS FE)	07/29/92-10/19/93	1	5	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0288	No	01045	IRON, TOTAL (UG/L AS FE)	07/28/94-03/19/95	0	3	
ALPO0289	No	01045	IRON, TOTAL (UG/L AS FE)	07/28/94-03/19/95	0	2	
ALPO0290	No	01045	IRON, TOTAL (UG/L AS FE)	07/29/92-07/29/92	0	1	
ALPO0291	No	01045	IRON, TOTAL (UG/L AS FE)	11/09/92-11/09/92	0	1	
ALPO0292	No	01045	IRON, TOTAL (UG/L AS FE)	07/28/94-03/19/95	0	3	
ALPO0293	No	01045	IRON, TOTAL (UG/L AS FE)	07/27/94-03/19/95	0	3	
ALPO0294	No	01045	IRON, TOTAL (UG/L AS FE)	07/28/94-03/19/95	0	3	
ALPO0295	No	01045	IRON, TOTAL (UG/L AS FE)	07/28/94-03/19/95	0	3	
ALPO0297	No	01045	IRON, TOTAL (UG/L AS FE)	07/28/94-03/19/95	0	3	
ALPO0298	Yes	01045	IRON, TOTAL (UG/L AS FE)	07/28/94-09/20/94	0	2	
ALPO0299	Yes	01045	IRON, TOTAL (UG/L AS FE)	07/28/94-09/20/94	0	2	
ALPO0300	No	01045	IRON, TOTAL (UG/L AS FE)	07/28/94-03/19/95	0	3	
ALPO0301	Yes	01045	IRON, TOTAL (UG/L AS FE)	07/28/94-05/24/95	0	3	
ALPO0302	No	01045	IRON, TOTAL (UG/L AS FE)	08/03/92-08/03/92	0	1	
ALPO0303	No	01045	IRON, TOTAL (UG/L AS FE)	11/09/92-11/09/92	0	1	
ALPO0304	No	01045	IRON, TOTAL (UG/L AS FE)	07/28/94-05/24/95	0	3	
ALPO0305	No	01045	IRON, TOTAL (UG/L AS FE)	11/09/92-11/09/92	0	1	
ALPO0306	No	01045	IRON, TOTAL (UG/L AS FE)	08/03/92-08/03/92	0	1	
ALPO0307	No	01045	IRON, TOTAL (UG/L AS FE)	08/10/94-08/10/94	0	1	
ALPO0308	No	01045	IRON, TOTAL (UG/L AS FE)	07/19/94-12/06/94	0	2	
ALPO0310	No	01045	IRON, TOTAL (UG/L AS FE)	07/19/94-12/06/94	0	2	
ALPO0311	No	01045	IRON, TOTAL (UG/L AS FE)	07/15/93-04/19/94	0	2	
ALPO0312	No	01045	IRON, TOTAL (UG/L AS FE)	07/15/93-07/15/93	0	1	
ALPO0313	No	01045	IRON, TOTAL (UG/L AS FE)	08/03/92-10/16/93	1	2	
ALPO0314	No	01045	IRON, TOTAL (UG/L AS FE)	07/29/92-10/16/93	1	4	
ALPO0315	No	01045	IRON, TOTAL (UG/L AS FE)	11/23/92-11/23/92	0	1	
ALPO0316	No	01045	IRON, TOTAL (UG/L AS FE)	07/20/94-07/20/94	0	1	
ALPO0317	No	01045	IRON, TOTAL (UG/L AS FE)	07/13/93-07/13/93	0	1	
ALPO0319	No	01045	IRON, TOTAL (UG/L AS FE)	07/20/94-12/06/94	0	2	
ALPO0320	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/94-11/21/94	0	2	
ALPO0321	No	01045	IRON, TOTAL (UG/L AS FE)	07/07/94-07/07/94	0	1	
ALPO0324	No	01045	IRON, TOTAL (UG/L AS FE)	07/29/92-10/16/93	1	4	
ALPO0325	No	01045	IRON, TOTAL (UG/L AS FE)	07/20/94-12/01/94	0	2	
ALPO0326	No	01045	IRON, TOTAL (UG/L AS FE)	09/15/67-09/15/67	0	1	
ALPO0327	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/94-06/14/94	0	1	
ALPO0328	No	01045	IRON, TOTAL (UG/L AS FE)	07/28/93-05/24/94	0	2	
ALPO0329	No	01045	IRON, TOTAL (UG/L AS FE)	07/28/93-05/24/94	0	2	
ALPO0331	No	01045	IRON, TOTAL (UG/L AS FE)	07/14/93-07/14/93	0	1	
ALPO0332	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/94-06/14/94	0	1	
ALPO0333	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/94-06/14/94	0	1	
ALPO0334	No	01045	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	37	230	T,A,S
ALPO0335	No	01045	IRON, TOTAL (UG/L AS FE)	11/21/94-11/21/94	0	1	
ALPO0337	No	01045	IRON, TOTAL (UG/L AS FE)	08/22/94-08/22/94	0	1	
ALPO0338	No	01045	IRON, TOTAL (UG/L AS FE)	08/11/94-11/16/94	0	2	
ALPO0339	No	01045	IRON, TOTAL (UG/L AS FE)	08/15/94-08/15/94	0	2	
ALPO0340	No	01045	IRON, TOTAL (UG/L AS FE)	08/15/94-08/15/94	0	1	
ALPO0341	No	01045	IRON, TOTAL (UG/L AS FE)	08/15/94-08/15/94	0	1	
ALPO0342	No	01045	IRON, TOTAL (UG/L AS FE)	08/15/94-08/15/94	0	1	
ALPO0343	No	01045	IRON, TOTAL (UG/L AS FE)	07/27/93-05/23/94	0	2	
ALPO0344	No	01045	IRON, TOTAL (UG/L AS FE)	08/15/94-08/15/94	0	1	
ALPO0345	No	01045	IRON, TOTAL (UG/L AS FE)	08/15/94-11/21/94	0	2	
ALPO0346	No	01045	IRON, TOTAL (UG/L AS FE)	11/25/80-04/28/81	0	5	
ALPO0348	No	01045	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	37	230	T,A,S
ALPO0349	No	01045	IRON, TOTAL (UG/L AS FE)	08/15/94-08/15/94	0	1	
ALPO0350	No	01045	IRON, TOTAL (UG/L AS FE)	04/20/53-06/15/76	23	7	
ALPO0351	No	01045	IRON, TOTAL (UG/L AS FE)	10/23/59-05/23/94	34	25	S
ALPO0352	No	01045	IRON, TOTAL (UG/L AS FE)	12/30/80-04/28/81	0	4	
ALPO0354	No	01045	IRON, TOTAL (UG/L AS FE)	08/15/94-08/15/94	0	1	
ALPO0355	No	01045	IRON, TOTAL (UG/L AS FE)	08/11/94-06/14/95	0	3	
ALPO0356	No	01045	IRON, TOTAL (UG/L AS FE)	06/05/79-08/14/81	2	6	
ALPO0357	No	01045	IRON, TOTAL (UG/L AS FE)	11/21/94-11/21/94	0	1	
ALPO0358	No	01045	IRON, TOTAL (UG/L AS FE)	11/25/80-04/28/81	0	6	
ALPO0359	No	01045	IRON, TOTAL (UG/L AS FE)	06/06/79-05/23/94	14	8	
ALPO0360	No	01045	IRON, TOTAL (UG/L AS FE)	08/25/94-08/25/94	0	1	
ALPO0361	No	01045	IRON, TOTAL (UG/L AS FE)	10/23/93-01/25/96	2	3	
ALPO0362	No	01045	IRON, TOTAL (UG/L AS FE)	07/28/92-01/25/96	3	7	
ALPO0363	No	01045	IRON, TOTAL (UG/L AS FE)	10/23/93-05/05/95	1	2	
ALPO0364	No	01045	IRON, TOTAL (UG/L AS FE)	07/13/93-11/14/94	1	3	
ALPO0365	No	01045	IRON, TOTAL (UG/L AS FE)	10/23/93-09/30/95	1	4	
ALPO0366	No	01045	IRON, TOTAL (UG/L AS FE)	09/30/92-04/20/95	2	5	
ALPO0367	No	01045	IRON, TOTAL (UG/L AS FE)	07/13/93-09/30/95	2	6	
ALPO0368	No	01045	IRON, TOTAL (UG/L AS FE)	11/15/94-04/12/95	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0369	No	01045	IRON, TOTAL (UG/L AS FE)	02/05/94-01/24/96	1	5	
ALPO0370	No	01045	IRON, TOTAL (UG/L AS FE)	02/05/94-01/24/96	1	4	
ALPO0371	No	01045	IRON, TOTAL (UG/L AS FE)	11/15/94-11/15/94	0	1	
ALPO0372	No	01045	IRON, TOTAL (UG/L AS FE)	02/05/94-01/24/96	1	6	
ALPO0373	No	01045	IRON, TOTAL (UG/L AS FE)	02/05/94-08/29/95	1	3	
ALPO0374	No	01045	IRON, TOTAL (UG/L AS FE)	07/15/93-10/01/95	2	3	
ALPO0375	No	01045	IRON, TOTAL (UG/L AS FE)	02/05/94-01/24/96	1	6	
ALPO0376	No	01045	IRON, TOTAL (UG/L AS FE)	02/05/94-01/24/96	1	5	
ALPO0377	No	01045	IRON, TOTAL (UG/L AS FE)	07/15/93-01/25/96	2	6	
ALPO0378	No	01045	IRON, TOTAL (UG/L AS FE)	07/28/92-12/20/94	2	4	
ALPO0379	No	01045	IRON, TOTAL (UG/L AS FE)	09/30/92-12/20/94	2	4	
ALPO0380	No	01045	IRON, TOTAL (UG/L AS FE)	07/15/93-07/15/93	0	1	
ALPO0381	No	01045	IRON, TOTAL (UG/L AS FE)	07/15/93-07/15/93	0	1	
ALPO0005	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/17/67-10/17/67	0	1	
ALPO0007	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/08/79-08/13/81	2	6	
ALPO0011	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/08/79-08/13/81	2	5	
ALPO0012	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/08/79-08/13/81	2	6	
ALPO0014	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/08/79-08/13/81	2	6	
ALPO0029	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/03/70-06/03/70	0	1	
ALPO0030	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/03/70-06/03/70	0	1	
ALPO0031	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/13/94-06/13/94	0	1	
ALPO0032	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/13/94-06/13/94	0	1	
ALPO0033	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/13/94-06/13/94	0	1	
ALPO0035	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/01/94-08/01/94	0	1	
ALPO0037	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/13/94-06/13/94	0	1	
ALPO0038	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/94-06/14/94	0	1	
ALPO0039	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/02/92-06/02/93	1	5	
ALPO0040	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/03/93-04/03/96	2	4	
ALPO0041	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/02/92-06/02/93	1	6	
ALPO0042	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/03/93-04/03/96	2	4	
ALPO0043	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/13/94-06/13/94	0	1	
ALPO0044	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/03/93-06/13/94	0	2	
ALPO0045	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/01/94-04/03/96	1	2	
ALPO0046	No	01046	IRON, DISSOLVED (UG/L AS FE)	04/03/96-04/03/96	0	1	
ALPO0047	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/09/92-06/02/93	0	5	
ALPO0048	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/13/94-06/13/94	0	1	
ALPO0049	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/13/94-06/13/94	0	1	
ALPO0051	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/06/92-10/15/92	0	2	
ALPO0052	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/94-06/14/94	0	1	
ALPO0053	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/94-06/14/94	0	1	
ALPO0055	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/10/92-06/10/92	0	1	
ALPO0058	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/94-04/04/96	1	2	
ALPO0059	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/27/92-04/04/96	3	5	
ALPO0062	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/94-04/04/96	1	3	
ALPO0066	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/02/92-06/03/93	1	6	
ALPO0067	No	01046	IRON, DISSOLVED (UG/L AS FE)	03/06/93-03/06/93	0	1	
ALPO0068	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/02/92-06/03/93	1	6	
ALPO0069	No	01046	IRON, DISSOLVED (UG/L AS FE)	03/06/93-03/06/93	0	1	
ALPO0070	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/02/92-11/06/93	1	3	
ALPO0071	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/02/92-06/03/93	1	5	
ALPO0072	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/02/92-06/03/93	1	5	
ALPO0073	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-06/07/93	0	1	
ALPO0074	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-06/07/93	0	1	
ALPO0075	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/09/92-06/03/93	0	4	
ALPO0077	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-06/07/93	0	1	
ALPO0078	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/09/92-06/09/92	0	1	
ALPO0080	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/09/92-06/09/92	0	1	
ALPO0081	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/08/94-04/04/95	0	4	
ALPO0082	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/08/93-06/08/93	0	1	
ALPO0083	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/22/94-09/22/94	0	1	
ALPO0084	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/08/93-06/08/93	0	1	
ALPO0085	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-06/07/93	0	1	
ALPO0086	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-06/14/93	0	1	
ALPO0087	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-06/07/93	0	1	
ALPO0088	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-06/07/93	0	1	
ALPO0089	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-06/14/93	0	1	
ALPO0090	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-06/14/93	0	1	
ALPO0091	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/20/93-02/01/95	1	4	
ALPO0092	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-06/14/93	0	1	
ALPO0093	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/20/93-02/01/95	1	4	
ALPO0094	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/08/93-06/08/93	0	1	
ALPO0095	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/27/92-07/27/92	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0096	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/27/92-07/27/92	0	1	
ALPO0097	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-06/01/94	0	2	
ALPO0098	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/09/93-02/01/95	1	2	
ALPO0099	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/30/93-06/30/93	0	1	
ALPO0100	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/30/93-12/08/94	1	3	
ALPO0101	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/13/93-04/06/95	1	4	
ALPO0102	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/30/93-06/30/93	0	1	
ALPO0103	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-11/29/94	1	3	
ALPO0104	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/01/94-03/14/95	0	3	
ALPO0105	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/30/93-06/30/93	0	1	
ALPO0106	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/01/94-10/13/94	0	2	
ALPO0107	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/01/94-10/13/94	0	2	
ALPO0108	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/30/93-06/30/93	0	1	
ALPO0109	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/30/93-06/30/93	0	1	
ALPO0110	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/01/93-03/14/95	1	4	
ALPO0111	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/01/94-12/08/94	0	2	
ALPO0112	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/30/93-06/30/93	0	1	
ALPO0113	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/31/94-05/31/94	0	1	
ALPO0114	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/30/93-06/30/93	0	1	
ALPO0115	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/03/93-06/03/93	0	1	
ALPO0116	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/01/94-06/01/94	0	1	
ALPO0117	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/06/93-07/06/93	0	1	
ALPO0118	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/01/94-03/14/95	0	3	
ALPO0119	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/06/93-07/06/93	0	1	
ALPO0120	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/03/93-11/29/94	1	2	
ALPO0121	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/03/93-06/03/93	0	1	
ALPO0122	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/06/93-06/01/94	0	2	
ALPO0123	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/03/93-06/03/93	0	1	
ALPO0124	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-06/06/94	0	2	
ALPO0125	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/02/93-04/06/95	1	4	
ALPO0126	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/02/93-06/01/94	0	2	
ALPO0127	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/29/93-06/29/93	0	1	
ALPO0128	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/02/93-06/01/94	0	2	
ALPO0129	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/29/93-03/07/95	1	4	
ALPO0131	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/09/93-06/09/93	0	1	
ALPO0132	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/30/93-03/07/95	1	4	
ALPO0133	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/29/93-03/07/95	1	4	
ALPO0134	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/27/94-04/04/95	0	3	
ALPO0135	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-10/13/94	1	4	
ALPO0136	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/06/94-06/06/94	0	1	
ALPO0137	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-10/13/94	1	4	
ALPO0138	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-06/07/93	0	1	
ALPO0139	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/29/93-06/29/93	0	1	
ALPO0140	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/29/93-06/29/93	0	1	
ALPO0141	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/29/93-06/29/93	0	1	
ALPO0142	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/05/92-04/06/95	2	8	
ALPO0143	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/30/92-11/30/92	0	1	
ALPO0144	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/30/92-11/30/92	0	1	
ALPO0145	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/16/94-04/06/95	0	2	
ALPO0146	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-06/06/94	0	2	
ALPO0147	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-06/14/93	0	1	
ALPO0148	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-06/14/93	0	1	
ALPO0149	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-04/06/95	1	3	
ALPO0150	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-06/14/93	0	1	
ALPO0151	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/27/94-12/15/94	0	2	
ALPO0152	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/28/92-05/31/94	1	6	
ALPO0153	No	01046	IRON, DISSOLVED (UG/L AS FE)	01/28/93-05/31/94	1	4	
ALPO0154	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/29/93-06/29/93	0	1	
ALPO0155	No	01046	IRON, DISSOLVED (UG/L AS FE)	12/22/92-11/06/93	0	4	
ALPO0156	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/29/93-06/29/93	0	1	
ALPO0157	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-03/16/95	1	4	
ALPO0158	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-06/14/93	0	1	
ALPO0159	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-06/14/93	0	1	
ALPO0160	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/18/93-03/07/95	1	4	
ALPO0161	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/18/93-03/13/95	1	4	
ALPO0162	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/18/93-03/13/95	1	4	
ALPO0164	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/01/94-08/01/94	0	1	
ALPO0166	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/01/94-08/01/94	0	1	
ALPO0168	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/29/93-06/29/93	0	1	
ALPO0169	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/27/93-07/27/93	0	1	
ALPO0170	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/28/93-05/25/94	0	2	
ALPO0171	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/28/93-05/23/95	1	4	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0172	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/28/93-05/25/94	0	2	
ALPO0173	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/93-10/19/94	1	3	
ALPO0174	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/93-12/15/94	1	3	
ALPO0175	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/01/94-08/01/94	0	1	
ALPO0176	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/93-05/16/95	1	4	
ALPO0179	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/12/93-07/12/93	0	1	
ALPO0180	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/05/93-08/05/93	0	1	
ALPO0181	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/12/93-06/06/94	0	2	
ALPO0182	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/12/93-06/06/94	0	2	
ALPO0183	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/12/93-06/05/94	0	2	
ALPO0184	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/12/93-08/12/93	0	1	
ALPO0185	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/12/93-08/12/93	0	1	
ALPO0186	No	01046	IRON, DISSOLVED (UG/L AS FE)	04/11/95-04/11/95	0	1	
ALPO0187	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/12/93-08/12/93	0	1	
ALPO0188	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/12/93-08/12/93	0	1	
ALPO0189	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/15/93-06/05/94	0	2	
ALPO0190	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/24/93-06/13/95	1	3	
ALPO0191	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/24/93-06/24/93	0	1	
ALPO0192	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/22/93-03/15/95	1	3	
ALPO0193	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/22/93-06/08/94	0	2	
ALPO0194	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/29/93-06/29/93	0	1	
ALPO0195	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-06/14/93	0	1	
ALPO0196	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/93-10/03/94	1	3	
ALPO0197	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/25/94-05/25/94	0	1	
ALPO0198	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/04/93-09/29/94	1	3	
ALPO0199	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/06/79-08/14/81	2	6	
ALPO0200	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/25/94-05/25/94	0	1	
ALPO0201	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/04/93-09/29/94	1	3	
ALPO0202	No	01046	IRON, DISSOLVED (UG/L AS FE)	12/21/93-12/21/93	0	1	
ALPO0204	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/25/94-05/25/94	0	1	
ALPO0205	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/24/93-06/24/93	0	1	
ALPO0206	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/15/93-06/15/93	0	1	
ALPO0207	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/05/93-08/05/93	0	1	
ALPO0208	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/15/93-06/15/93	0	1	
ALPO0209	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-04/11/95	1	4	
ALPO0210	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/26/93-07/26/93	0	1	
ALPO0211	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-04/11/95	1	4	
ALPO0212	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/05/93-08/05/93	0	1	
ALPO0213	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/26/93-07/26/93	0	1	
ALPO0214	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-08/16/93	0	1	
ALPO0215	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/15/93-06/15/93	0	1	
ALPO0216	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/15/93-06/15/93	0	1	
ALPO0217	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/15/93-06/15/93	0	1	
ALPO0218	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/04/93-09/29/94	1	3	
ALPO0219	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/04/93-05/23/94	0	2	
ALPO0220	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/04/93-05/23/94	0	2	
ALPO0221	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/17/93-06/17/93	0	1	
ALPO0222	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/12/93-05/23/95	1	4	
ALPO0223	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/12/93-05/23/95	1	4	
ALPO0224	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/12/93-05/23/94	0	3	
ALPO0226	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/12/93-05/24/94	0	2	
ALPO0227	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/12/93-12/15/94	1	3	
ALPO0228	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/01/94-07/01/94	0	1	
ALPO0230	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/12/93-05/24/94	0	2	
ALPO0232	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/17/93-06/17/93	0	1	
ALPO0234	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/10/94-08/10/94	0	1	
ALPO0236	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-08/16/93	0	1	
ALPO0237	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-08/16/93	0	1	
ALPO0240	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-05/17/95	1	4	
ALPO0241	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-08/16/93	0	1	
ALPO0242	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-09/24/94	1	3	
ALPO0243	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-08/16/93	0	1	
ALPO0244	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/20/94-09/23/94	0	2	
ALPO0245	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/20/94-06/20/94	0	1	
ALPO0246	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/26/94-10/05/94	0	3	
ALPO0247	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/20/94-06/20/94	0	1	
ALPO0248	No	01046	IRON, DISSOLVED (UG/L AS FE)	12/21/93-06/09/94	0	2	
ALPO0249	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-08/16/93	0	1	
ALPO0250	No	01046	IRON, DISSOLVED (UG/L AS FE)	12/21/93-12/21/93	0	1	
ALPO0251	No	01046	IRON, DISSOLVED (UG/L AS FE)	12/21/93-06/09/94	0	2	
ALPO0252	No	01046	IRON, DISSOLVED (UG/L AS FE)	12/21/93-12/21/93	0	1	
ALPO0253	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-08/16/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0255	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-08/16/93	0	1	
ALPO0256	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/26/94-05/18/95	0	4	
ALPO0257	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/26/94-05/18/95	0	4	
ALPO0258	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/26/94-05/18/95	0	4	
ALPO0260	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/26/93-07/26/93	0	1	
ALPO0261	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/26/94-05/18/95	0	3	
ALPO0262	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/06/79-08/11/81	2	6	
ALPO0263	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-08/16/93	0	1	
ALPO0264	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/26/94-10/11/94	0	3	
ALPO0265	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-11/22/94	1	3	
ALPO0268	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/02/94-11/22/94	0	2	
ALPO0271	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/02/94-11/22/94	0	2	
ALPO0272	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/25/94-08/25/94	0	1	
ALPO0273	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/02/94-08/02/94	0	1	
ALPO0274	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/25/94-08/25/94	0	1	
ALPO0276	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/03/94-11/20/94	0	2	
ALPO0277	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/26/94-05/24/95	0	3	
ALPO0279	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/26/94-12/29/94	0	2	
ALPO0280	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/29/92-07/29/92	0	1	
ALPO0282	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/06/79-05/24/94	14	8	
ALPO0283	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/13/93-07/13/93	0	1	
ALPO0284	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/10/94-08/10/94	0	1	
ALPO0285	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/29/92-10/16/93	1	5	
ALPO0286	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/27/94-03/19/95	0	3	
ALPO0287	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/29/92-10/19/93	1	5	
ALPO0288	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/94-03/19/95	0	3	
ALPO0289	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/94-03/19/95	0	2	
ALPO0290	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/29/92-07/29/92	0	1	
ALPO0291	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/09/92-11/09/92	0	1	
ALPO0292	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/94-03/19/95	0	3	
ALPO0293	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/27/94-03/19/95	0	3	
ALPO0294	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/94-03/19/95	0	3	
ALPO0295	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/94-03/19/95	0	3	
ALPO0297	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/94-03/19/95	0	3	
ALPO0298	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/94-09/20/94	0	2	
ALPO0299	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/94-09/20/94	0	2	
ALPO0300	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/94-03/19/95	0	3	
ALPO0301	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/94-05/24/95	0	3	
ALPO0302	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/03/92-08/03/92	0	1	
ALPO0303	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/09/92-11/09/92	0	1	
ALPO0304	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/94-05/24/95	0	3	
ALPO0305	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/09/92-11/09/92	0	1	
ALPO0306	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/03/92-08/03/92	0	1	
ALPO0307	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/10/94-08/10/94	0	1	
ALPO0308	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/19/94-12/06/94	0	2	
ALPO0310	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/19/94-12/06/94	0	2	
ALPO0311	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/15/93-04/19/94	0	2	
ALPO0312	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/15/93-07/15/93	0	1	
ALPO0313	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/03/92-10/16/93	1	2	
ALPO0314	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/29/92-10/16/93	1	4	
ALPO0315	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/23/92-11/23/92	0	1	
ALPO0316	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/20/94-07/20/94	0	1	
ALPO0317	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/13/93-07/13/93	0	1	
ALPO0319	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/20/94-12/06/94	0	2	
ALPO0320	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/94-11/21/94	0	2	
ALPO0321	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/07/94-07/07/94	0	1	
ALPO0324	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/29/92-10/16/93	1	4	
ALPO0325	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/20/94-12/01/94	0	2	
ALPO0327	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/94-06/14/94	0	1	
ALPO0328	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/93-05/24/94	0	2	
ALPO0329	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/93-05/24/94	0	2	
ALPO0331	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/14/93-07/14/93	0	1	
ALPO0332	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/94-06/14/94	0	1	
ALPO0333	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/14/94-06/14/94	0	1	
ALPO0335	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/21/94-11/21/94	0	1	
ALPO0337	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/22/94-08/22/94	0	1	
ALPO0338	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/11/94-11/16/94	0	2	
ALPO0339	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/15/94-08/15/94	0	2	
ALPO0340	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/15/94-08/15/94	0	1	
ALPO0341	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/15/94-08/15/94	0	1	
ALPO0342	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/15/94-08/15/94	0	1	
ALPO0343	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/27/93-05/23/94	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0344	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/15/94-08/15/94	0	1	
ALPO0345	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/15/94-11/21/94	0	2	
ALPO0347	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/28/94-05/28/94	0	1	
ALPO0349	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/15/94-08/15/94	0	1	
ALPO0350	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/07/26-07/08/71	44	4	
ALPO0351	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/12/59-05/15/97	37	31	S
ALPO0354	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/15/94-08/15/94	0	1	
ALPO0355	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/11/94-06/14/95	0	3	
ALPO0356	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/05/79-08/14/81	2	6	
ALPO0357	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/21/94-11/21/94	0	1	
ALPO0359	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/06/79-05/23/94	14	8	
ALPO0360	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/25/94-08/25/94	0	1	
ALPO0361	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/23/93-01/25/96	2	3	
ALPO0362	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/92-01/25/96	3	7	
ALPO0363	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/23/93-05/05/95	1	2	
ALPO0364	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/13/93-11/14/94	1	3	
ALPO0365	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/23/93-09/30/95	1	4	
ALPO0366	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/30/92-04/20/95	2	5	
ALPO0367	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/13/93-09/30/95	2	6	
ALPO0368	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/15/94-04/12/95	0	2	
ALPO0369	No	01046	IRON, DISSOLVED (UG/L AS FE)	02/05/94-01/24/96	1	5	
ALPO0370	No	01046	IRON, DISSOLVED (UG/L AS FE)	02/05/94-01/24/96	1	4	
ALPO0371	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/15/94-11/15/94	0	1	
ALPO0372	No	01046	IRON, DISSOLVED (UG/L AS FE)	02/05/94-01/24/96	1	6	
ALPO0373	No	01046	IRON, DISSOLVED (UG/L AS FE)	02/05/94-08/29/95	1	3	
ALPO0374	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/15/93-10/01/95	2	3	
ALPO0375	No	01046	IRON, DISSOLVED (UG/L AS FE)	02/05/94-01/24/96	1	6	
ALPO0376	No	01046	IRON, DISSOLVED (UG/L AS FE)	02/05/94-01/24/96	1	5	
ALPO0377	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/15/93-01/25/96	2	6	
ALPO0378	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/92-12/20/94	2	4	
ALPO0379	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/30/92-12/20/94	2	4	
ALPO0380	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/15/93-07/15/93	0	1	
ALPO0381	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/15/93-07/15/93	0	1	
ALPO0017	No	01047	IRON, FERROUS (UG/L AS FE)	10/02/72-10/02/72	0	1	
ALPO0034	No	01047	IRON, FERROUS (UG/L AS FE)	07/26/72-07/26/72	0	1	
ALPO0036	No	01047	IRON, FERROUS (UG/L AS FE)	07/26/72-07/26/72	0	1	
ALPO0038	No	01047	IRON, FERROUS (UG/L AS FE)	06/14/94-06/14/94	0	1	
ALPO0039	No	01047	IRON, FERROUS (UG/L AS FE)	06/02/93-06/02/93	0	1	
ALPO0040	No	01047	IRON, FERROUS (UG/L AS FE)	06/14/94-06/14/94	0	1	
ALPO0041	No	01047	IRON, FERROUS (UG/L AS FE)	06/02/93-06/02/93	0	1	
ALPO0042	No	01047	IRON, FERROUS (UG/L AS FE)	06/14/94-06/14/94	0	1	
ALPO0047	No	01047	IRON, FERROUS (UG/L AS FE)	06/02/93-06/02/93	0	1	
ALPO0050	No	01047	IRON, FERROUS (UG/L AS FE)	10/23/72-10/23/72	0	1	
ALPO0054	No	01047	IRON, FERROUS (UG/L AS FE)	10/17/72-10/17/72	0	1	
ALPO0056	No	01047	IRON, FERROUS (UG/L AS FE)	10/17/72-10/17/72	0	1	
ALPO0057	No	01047	IRON, FERROUS (UG/L AS FE)	10/17/72-10/17/72	0	1	
ALPO0059	No	01047	IRON, FERROUS (UG/L AS FE)	08/03/93-08/03/93	0	1	
ALPO0060	No	01047	IRON, FERROUS (UG/L AS FE)	10/17/72-10/17/72	0	1	
ALPO0061	No	01047	IRON, FERROUS (UG/L AS FE)	10/17/72-10/17/72	0	1	
ALPO0063	No	01047	IRON, FERROUS (UG/L AS FE)	10/17/72-10/17/72	0	1	
ALPO0064	No	01047	IRON, FERROUS (UG/L AS FE)	10/17/72-10/17/72	0	1	
ALPO0065	No	01047	IRON, FERROUS (UG/L AS FE)	10/17/72-10/17/72	0	1	
ALPO0066	No	01047	IRON, FERROUS (UG/L AS FE)	06/03/93-06/03/93	0	1	
ALPO0068	No	01047	IRON, FERROUS (UG/L AS FE)	06/03/93-06/03/93	0	1	
ALPO0070	No	01047	IRON, FERROUS (UG/L AS FE)	06/03/93-11/06/93	0	2	
ALPO0071	No	01047	IRON, FERROUS (UG/L AS FE)	06/03/93-06/03/93	0	1	
ALPO0072	No	01047	IRON, FERROUS (UG/L AS FE)	06/03/93-06/03/93	0	1	
ALPO0076	No	01047	IRON, FERROUS (UG/L AS FE)	10/17/72-12/03/72	0	3	
ALPO0079	No	01047	IRON, FERROUS (UG/L AS FE)	10/17/72-12/03/72	0	3	
ALPO0091	No	01047	IRON, FERROUS (UG/L AS FE)	07/20/93-06/08/94	0	3	
ALPO0093	No	01047	IRON, FERROUS (UG/L AS FE)	07/20/93-06/08/94	0	3	
ALPO0100	No	01047	IRON, FERROUS (UG/L AS FE)	06/30/93-06/30/93	0	1	
ALPO0120	No	01047	IRON, FERROUS (UG/L AS FE)	06/03/93-06/03/93	0	1	
ALPO0124	No	01047	IRON, FERROUS (UG/L AS FE)	06/14/93-06/14/93	0	1	
ALPO0132	No	01047	IRON, FERROUS (UG/L AS FE)	06/30/93-05/30/94	0	2	
ALPO0133	No	01047	IRON, FERROUS (UG/L AS FE)	06/29/93-05/30/94	0	2	
ALPO0137	No	01047	IRON, FERROUS (UG/L AS FE)	06/07/93-10/23/93	0	2	
ALPO0140	No	01047	IRON, FERROUS (UG/L AS FE)	06/29/93-06/29/93	0	1	
ALPO0141	No	01047	IRON, FERROUS (UG/L AS FE)	06/29/93-06/29/93	0	1	
ALPO0142	No	01047	IRON, FERROUS (UG/L AS FE)	07/20/93-04/06/95	1	2	
ALPO0146	No	01047	IRON, FERROUS (UG/L AS FE)	06/07/93-10/13/94	1	3	
ALPO0147	No	01047	IRON, FERROUS (UG/L AS FE)	06/14/93-06/14/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0152	No	01047	IRON, FERROUS (UG/L AS FE)	06/28/93-11/06/93	0	2	
ALPO0153	No	01047	IRON, FERROUS (UG/L AS FE)	06/28/93-11/06/93	0	2	
ALPO0155	No	01047	IRON, FERROUS (UG/L AS FE)	11/06/93-11/06/93	0	1	
ALPO0157	No	01047	IRON, FERROUS (UG/L AS FE)	06/14/93-06/14/93	0	1	
ALPO0161	No	01047	IRON, FERROUS (UG/L AS FE)	06/08/94-06/08/94	0	1	
ALPO0173	No	01047	IRON, FERROUS (UG/L AS FE)	07/28/93-06/07/94	0	2	
ALPO0174	No	01047	IRON, FERROUS (UG/L AS FE)	07/28/93-06/06/94	0	2	
ALPO0176	No	01047	IRON, FERROUS (UG/L AS FE)	07/28/93-06/07/94	0	2	
ALPO0181	No	01047	IRON, FERROUS (UG/L AS FE)	06/06/94-06/06/94	0	1	
ALPO0183	No	01047	IRON, FERROUS (UG/L AS FE)	06/05/94-06/05/94	0	1	
ALPO0193	No	01047	IRON, FERROUS (UG/L AS FE)	06/22/93-06/22/93	0	1	
ALPO0196	No	01047	IRON, FERROUS (UG/L AS FE)	07/28/93-07/28/93	0	1	
ALPO0212	No	01047	IRON, FERROUS (UG/L AS FE)	08/05/93-08/05/93	0	1	
ALPO0218	No	01047	IRON, FERROUS (UG/L AS FE)	08/04/93-09/29/94	1	3	
ALPO0222	No	01047	IRON, FERROUS (UG/L AS FE)	02/19/94-02/19/94	0	1	
ALPO0251	No	01047	IRON, FERROUS (UG/L AS FE)	06/09/94-06/09/94	0	1	
ALPO0256	No	01047	IRON, FERROUS (UG/L AS FE)	09/27/94-09/27/94	0	1	
ALPO0265	No	01047	IRON, FERROUS (UG/L AS FE)	06/07/94-06/07/94	0	1	
ALPO0285	No	01047	IRON, FERROUS (UG/L AS FE)	07/06/93-07/06/93	0	1	
ALPO0287	No	01047	IRON, FERROUS (UG/L AS FE)	07/06/93-10/19/93	0	2	
ALPO0311	No	01047	IRON, FERROUS (UG/L AS FE)	07/15/93-04/19/94	0	2	
ALPO0312	No	01047	IRON, FERROUS (UG/L AS FE)	07/15/93-07/15/93	0	1	
ALPO0317	No	01047	IRON, FERROUS (UG/L AS FE)	07/13/93-07/13/93	0	1	
ALPO0320	No	01047	IRON, FERROUS (UG/L AS FE)	11/21/94-11/21/94	0	1	
ALPO0321	No	01047	IRON, FERROUS (UG/L AS FE)	07/07/94-07/07/94	0	1	
ALPO0324	No	01047	IRON, FERROUS (UG/L AS FE)	07/06/93-07/06/93	0	1	
ALPO0331	No	01047	IRON, FERROUS (UG/L AS FE)	07/14/93-07/14/93	0	1	
ALPO0335	No	01047	IRON, FERROUS (UG/L AS FE)	11/21/94-11/21/94	0	1	
ALPO0344	No	01047	IRON, FERROUS (UG/L AS FE)	08/15/94-08/15/94	0	1	
ALPO0345	No	01047	IRON, FERROUS (UG/L AS FE)	08/15/94-11/21/94	0	2	
ALPO0351	No	01047	IRON, FERROUS (UG/L AS FE)	07/27/93-07/27/93	0	1	
ALPO0354	No	01047	IRON, FERROUS (UG/L AS FE)	08/15/94-08/15/94	0	1	
ALPO0351	No	01049	LEAD, DISSOLVED (UG/L AS PB)	05/15/97-05/15/97	0	1	
ALPO0004	No	01051	LEAD, TOTAL (UG/L AS PB)	04/23/87-08/15/96	9	15	
ALPO0010	No	01051	LEAD, TOTAL (UG/L AS PB)	04/09/87-11/06/96	9	16	
ALPO0016	No	01051	LEAD, TOTAL (UG/L AS PB)	04/22/87-09/06/96	9	16	
ALPO0018	No	01051	LEAD, TOTAL (UG/L AS PB)	04/08/87-10/31/96	9	16	
ALPO0021	No	01051	LEAD, TOTAL (UG/L AS PB)	04/08/87-09/06/96	9	16	
ALPO0022	No	01051	LEAD, TOTAL (UG/L AS PB)	04/08/87-10/31/96	9	15	
ALPO0334	No	01051	LEAD, TOTAL (UG/L AS PB)	06/06/74-01/07/88	13	14	
ALPO0346	No	01051	LEAD, TOTAL (UG/L AS PB)	11/25/80-04/28/81	0	5	
ALPO0348	No	01051	LEAD, TOTAL (UG/L AS PB)	06/06/74-01/07/88	13	14	
ALPO0351	No	01051	LEAD, TOTAL (UG/L AS PB)	11/05/79-11/05/79	0	1	
ALPO0352	No	01051	LEAD, TOTAL (UG/L AS PB)	12/30/80-04/28/81	0	4	
ALPO0358	No	01051	LEAD, TOTAL (UG/L AS PB)	11/25/80-04/28/81	0	6	
ALPO0007	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/14/79-08/14/79	0	1	
ALPO0199	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/20/80-08/20/80	0	1	
ALPO0262	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/06/79-08/06/79	0	1	
ALPO0282	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/18/80-08/18/80	0	1	
ALPO0356	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/09/79-08/09/79	0	1	
ALPO0359	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/23/80-08/23/80	0	1	
ALPO0007	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/14/79-08/14/79	0	1	
ALPO0199	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/20/80-08/20/80	0	1	
ALPO0262	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/06/79-08/06/79	0	1	
ALPO0282	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/18/80-08/18/80	0	1	
ALPO0356	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/09/79-08/09/79	0	1	
ALPO0359	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/23/80-08/23/80	0	1	
ALPO0007	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/08/79-08/13/81	2	6	
ALPO0011	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/08/79-04/03/81	1	4	
ALPO0012	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/08/79-08/13/81	2	6	
ALPO0014	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/08/79-08/13/81	2	6	
ALPO0199	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/06/79-08/14/81	2	6	
ALPO0262	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/06/79-08/11/81	2	6	
ALPO0282	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/06/79-08/14/81	2	6	
ALPO0351	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	09/24/79-09/22/81	1	14	
ALPO0356	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/05/79-08/14/81	2	6	
ALPO0359	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/06/79-08/12/81	2	6	
ALPO0004	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/16/90-08/15/96	6	11	
ALPO0007	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/08/79-08/13/81	2	6	
ALPO0010	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/17/90-11/06/96	6	12	
ALPO0011	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/08/79-08/13/81	2	5	
ALPO0012	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/08/79-08/13/81	2	6	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0014	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/08/79-08/13/81	2	6	
ALPO0016	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/17/90-09/06/96	6	12	
ALPO0018	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/17/90-10/31/96	6	12	
ALPO0021	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/17/90-09/06/96	6	12	
ALPO0022	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/17/90-10/31/96	6	11	
ALPO0026	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/03/70-06/03/70	0	1	
ALPO0027	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/03/70-12/21/76	6	2	
ALPO0031	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/13/94-06/13/94	0	1	
ALPO0032	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/13/94-06/13/94	0	1	
ALPO0033	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/13/94-06/13/94	0	1	
ALPO0035	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/01/94-08/01/94	0	1	
ALPO0037	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/13/94-06/13/94	0	1	
ALPO0038	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-06/14/94	0	1	
ALPO0039	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/02/92-06/02/93	1	5	
ALPO0040	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/03/93-04/03/96	2	4	
ALPO0041	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/02/92-06/02/93	1	6	
ALPO0042	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/03/93-04/03/96	2	4	
ALPO0043	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/13/94-06/13/94	0	1	
ALPO0044	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/03/93-06/13/94	0	2	
ALPO0045	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/01/94-04/03/96	1	2	
ALPO0046	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/03/96-04/03/96	0	1	
ALPO0047	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/09/92-06/02/93	0	5	
ALPO0048	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/13/94-06/13/94	0	1	
ALPO0049	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/13/94-06/13/94	0	1	
ALPO0051	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/06/92-10/15/92	0	2	
ALPO0052	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-06/14/94	0	1	
ALPO0053	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-06/14/94	0	1	
ALPO0055	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/10/92-06/10/92	0	1	
ALPO0058	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-04/04/96	1	2	
ALPO0059	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/27/92-04/04/96	3	5	
ALPO0062	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-04/04/96	1	3	
ALPO0066	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/02/92-06/03/93	1	6	
ALPO0067	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/06/93-03/06/93	0	1	
ALPO0068	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/02/92-06/03/93	1	6	
ALPO0069	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/06/93-03/06/93	0	1	
ALPO0070	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/02/92-11/06/93	1	3	
ALPO0071	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/02/92-06/03/93	1	5	
ALPO0072	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/02/92-06/03/93	1	5	
ALPO0073	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-06/07/93	0	1	
ALPO0074	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-06/07/93	0	1	
ALPO0075	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/09/92-06/03/93	0	4	
ALPO0077	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-06/07/93	0	1	
ALPO0078	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/09/92-06/09/92	0	1	
ALPO0080	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/09/92-06/09/92	0	1	
ALPO0081	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/08/94-04/04/95	0	4	
ALPO0082	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/08/93-06/08/93	0	1	
ALPO0083	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/22/94-09/22/94	0	1	
ALPO0084	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/08/93-06/08/93	0	1	
ALPO0085	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-06/07/93	0	1	
ALPO0086	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-06/14/93	0	1	
ALPO0087	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-06/07/93	0	1	
ALPO0088	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-06/07/93	0	1	
ALPO0089	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-06/14/93	0	1	
ALPO0090	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-06/14/93	0	1	
ALPO0091	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/93-02/01/95	1	4	
ALPO0092	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-06/14/93	0	1	
ALPO0093	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/93-02/01/95	1	4	
ALPO0094	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/08/93-06/08/93	0	1	
ALPO0095	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/27/92-07/27/92	0	1	
ALPO0096	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/27/92-07/27/92	0	1	
ALPO0097	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-06/01/94	0	2	
ALPO0098	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/09/93-02/01/95	1	2	
ALPO0099	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/30/93-06/30/93	0	1	
ALPO0100	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/30/93-12/08/94	1	3	
ALPO0101	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/13/93-04/06/95	1	4	
ALPO0102	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/30/93-06/30/93	0	1	
ALPO0103	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-11/29/94	1	3	
ALPO0104	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/01/94-03/14/95	0	3	
ALPO0105	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/30/93-06/30/93	0	1	
ALPO0106	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/01/94-10/13/94	0	2	
ALPO0107	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/01/94-10/13/94	0	2	
ALPO0108	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/30/93-06/30/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0109	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/30/93-06/30/93	0	1	
ALPO0110	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/01/93-03/14/95	1	4	
ALPO0111	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/01/94-12/08/94	0	2	
ALPO0112	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/30/93-06/30/93	0	1	
ALPO0113	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/31/94-05/31/94	0	1	
ALPO0114	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/30/93-06/30/93	0	1	
ALPO0115	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/03/93-06/03/93	0	1	
ALPO0116	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/01/94-06/01/94	0	1	
ALPO0117	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/06/93-07/06/93	0	1	
ALPO0118	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/01/94-03/14/95	0	3	
ALPO0119	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/06/93-07/06/93	0	1	
ALPO0120	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/03/93-11/29/94	1	2	
ALPO0121	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/03/93-06/03/93	0	1	
ALPO0122	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/06/93-06/01/94	0	2	
ALPO0123	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/03/93-06/03/93	0	1	
ALPO0124	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-06/06/94	0	2	
ALPO0125	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/02/93-04/06/95	1	4	
ALPO0126	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/02/93-06/01/94	0	2	
ALPO0127	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/93-06/29/93	0	1	
ALPO0128	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/02/93-06/01/94	0	2	
ALPO0129	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/93-03/07/95	1	4	
ALPO0131	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/09/93-06/09/93	0	1	
ALPO0132	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/30/93-03/07/95	1	4	
ALPO0133	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/93-03/07/95	1	4	
ALPO0134	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/27/94-04/04/95	0	3	
ALPO0135	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-10/13/94	1	4	
ALPO0136	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/06/94-06/06/94	0	1	
ALPO0137	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-10/13/94	1	4	
ALPO0138	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-06/07/93	0	1	
ALPO0139	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/93-06/29/93	0	1	
ALPO0140	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/93-06/29/93	0	1	
ALPO0141	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/93-06/29/93	0	1	
ALPO0142	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/05/92-04/06/95	2	8	
ALPO0143	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/30/92-11/30/92	0	1	
ALPO0144	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/30/92-11/30/92	0	1	
ALPO0145	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/16/94-04/06/95	0	2	
ALPO0146	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-10/13/94	1	4	
ALPO0147	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-06/14/93	0	1	
ALPO0148	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-06/14/93	0	1	
ALPO0149	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-04/06/95	1	3	
ALPO0150	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-06/14/93	0	1	
ALPO0151	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/27/94-12/15/94	0	2	
ALPO0152	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/28/92-05/31/94	1	6	
ALPO0153	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/28/93-05/31/94	1	4	
ALPO0154	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/93-06/29/93	0	1	
ALPO0155	No	01055	MANGANESE, TOTAL (UG/L AS MN)	12/22/92-11/06/93	0	4	
ALPO0156	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/93-06/29/93	0	1	
ALPO0157	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-03/16/95	1	4	
ALPO0158	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-06/14/93	0	1	
ALPO0159	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-06/14/93	0	1	
ALPO0160	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/18/93-03/07/95	1	4	
ALPO0161	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/18/93-03/13/95	1	4	
ALPO0162	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/18/93-03/13/95	1	4	
ALPO0163	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/29/86-07/07/87	1	11	
ALPO0164	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/01/94-08/01/94	0	1	
ALPO0165	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/22/86-07/22/86	0	1	
ALPO0166	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/01/94-08/01/94	0	1	
ALPO0168	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/93-06/29/93	0	1	
ALPO0169	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/27/93-07/27/93	0	1	
ALPO0170	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/28/93-05/25/94	0	2	
ALPO0171	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/28/93-05/23/95	1	4	
ALPO0172	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/28/93-05/25/94	0	2	
ALPO0173	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/93-10/19/94	1	3	
ALPO0174	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/93-12/15/94	1	3	
ALPO0175	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/01/94-08/01/94	0	1	
ALPO0176	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/93-05/16/95	1	4	
ALPO0177	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/29/86-07/07/87	1	12	
ALPO0178	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/25/86-07/07/87	1	6	
ALPO0179	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/12/93-07/12/93	0	1	
ALPO0180	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/05/93-08/05/93	0	1	
ALPO0181	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/93-06/06/94	0	2	
ALPO0182	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/93-06/06/94	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0183	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/93-06/05/94	0	2	
ALPO0184	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/93-08/12/93	0	1	
ALPO0185	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/93-08/12/93	0	1	
ALPO0186	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/11/95-04/11/95	0	1	
ALPO0187	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/93-08/12/93	0	1	
ALPO0188	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/93-08/12/93	0	1	
ALPO0189	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/93-06/05/94	0	2	
ALPO0190	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/24/93-06/13/95	1	3	
ALPO0191	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/24/93-06/24/93	0	1	
ALPO0192	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/22/93-03/15/95	1	3	
ALPO0193	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/22/93-06/08/94	0	2	
ALPO0194	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/93-06/29/93	0	1	
ALPO0195	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-06/14/93	0	1	
ALPO0196	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/93-10/03/94	1	3	
ALPO0197	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/25/94-05/25/94	0	1	
ALPO0198	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/04/93-09/29/94	1	3	
ALPO0199	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/06/79-08/14/81	2	6	
ALPO0200	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/25/94-05/25/94	0	1	
ALPO0201	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/04/93-09/29/94	1	3	
ALPO0202	No	01055	MANGANESE, TOTAL (UG/L AS MN)	12/21/93-12/21/93	0	1	
ALPO0204	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/25/94-05/25/94	0	1	
ALPO0205	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/24/93-06/24/93	0	1	
ALPO0206	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/15/93-06/15/93	0	1	
ALPO0207	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/05/93-08/05/93	0	1	
ALPO0208	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/15/93-06/15/93	0	1	
ALPO0209	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-04/11/95	1	4	
ALPO0210	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/93-07/26/93	0	1	
ALPO0211	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-04/11/95	1	4	
ALPO0212	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/05/93-08/05/93	0	1	
ALPO0213	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/93-07/26/93	0	1	
ALPO0214	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-08/16/93	0	1	
ALPO0215	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/15/93-06/15/93	0	1	
ALPO0216	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/15/93-06/15/93	0	1	
ALPO0217	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/15/93-06/15/93	0	1	
ALPO0218	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/04/93-09/29/94	1	3	
ALPO0219	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/04/93-05/23/94	0	2	
ALPO0220	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/04/93-05/23/94	0	2	
ALPO0221	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/17/93-06/17/93	0	1	
ALPO0222	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/12/93-05/23/95	1	4	
ALPO0223	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/12/93-05/23/95	1	4	
ALPO0224	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/12/93-05/23/94	0	3	
ALPO0225	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/22/86-07/07/87	0	3	
ALPO0226	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/12/93-05/24/94	0	2	
ALPO0227	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/12/93-12/15/94	1	3	
ALPO0228	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/01/94-07/01/94	0	1	
ALPO0229	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/29/86-07/07/87	1	12	
ALPO0230	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/12/93-05/24/94	0	2	
ALPO0232	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/17/93-06/17/93	0	1	
ALPO0233	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/25/86-06/02/87	0	5	
ALPO0234	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/10/94-08/10/94	0	1	
ALPO0235	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/29/86-07/07/87	1	12	
ALPO0236	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-08/16/93	0	1	
ALPO0237	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-08/16/93	0	1	
ALPO0238	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/29/86-07/07/87	1	12	
ALPO0239	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/30/93-08/30/93	0	1	
ALPO0240	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-05/17/95	1	4	
ALPO0241	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-08/16/93	0	1	
ALPO0242	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-06/20/94	0	2	
ALPO0243	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-08/16/93	0	1	
ALPO0244	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/20/94-09/23/94	0	2	
ALPO0245	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/20/94-06/20/94	0	1	
ALPO0246	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/94-10/05/94	0	3	
ALPO0247	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/20/94-06/20/94	0	1	
ALPO0248	No	01055	MANGANESE, TOTAL (UG/L AS MN)	12/21/93-06/09/94	0	2	
ALPO0249	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-08/16/93	0	1	
ALPO0250	No	01055	MANGANESE, TOTAL (UG/L AS MN)	12/21/93-12/21/93	0	1	
ALPO0251	No	01055	MANGANESE, TOTAL (UG/L AS MN)	12/21/93-06/09/94	0	2	
ALPO0252	No	01055	MANGANESE, TOTAL (UG/L AS MN)	12/21/93-12/21/93	0	1	
ALPO0253	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-08/16/93	0	1	
ALPO0254	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	05/29/86-07/07/87	1	12	
ALPO0255	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-08/16/93	0	1	
ALPO0256	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/94-05/18/95	0	4	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0257	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/94-05/18/95	0	4	
ALPO0258	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/94-05/18/95	0	4	
ALPO0260	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/93-07/26/93	0	1	
ALPO0261	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/94-05/18/95	0	3	
ALPO0262	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/06/79-08/11/81	2	6	
ALPO0263	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-08/16/93	0	1	
ALPO0264	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/94-10/11/94	0	3	
ALPO0265	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-11/22/94	1	3	
ALPO0268	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/02/94-11/22/94	0	2	
ALPO0271	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/02/94-11/22/94	0	2	
ALPO0272	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/25/94-08/25/94	0	1	
ALPO0273	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/02/94-08/02/94	0	1	
ALPO0274	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/25/94-08/25/94	0	1	
ALPO0276	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/03/94-11/20/94	0	2	
ALPO0277	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/94-05/24/95	0	3	
ALPO0278	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/12/93-07/12/93	0	1	
ALPO0279	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/94-12/29/94	0	2	
ALPO0280	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/29/92-07/29/92	0	1	
ALPO0282	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/06/79-05/24/94	14	8	
ALPO0283	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/13/93-07/13/93	0	1	
ALPO0284	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/10/94-08/10/94	0	1	
ALPO0285	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/29/92-10/16/93	1	5	
ALPO0286	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/27/94-03/19/95	0	3	
ALPO0287	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/29/92-10/19/93	1	5	
ALPO0288	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/94-03/19/95	0	3	
ALPO0289	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/94-03/19/95	0	2	
ALPO0290	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/29/92-07/29/92	0	1	
ALPO0291	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/09/92-11/09/92	0	1	
ALPO0292	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/94-03/19/95	0	3	
ALPO0293	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/27/94-03/19/95	0	3	
ALPO0294	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/94-03/19/95	0	3	
ALPO0295	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/94-03/19/95	0	3	
ALPO0297	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/94-03/19/95	0	3	
ALPO0298	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/94-09/20/94	0	2	
ALPO0299	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/94-09/20/94	0	2	
ALPO0300	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/94-03/19/95	0	3	
ALPO0301	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/94-05/24/95	0	3	
ALPO0302	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/03/92-08/03/92	0	1	
ALPO0303	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/09/92-11/09/92	0	1	
ALPO0304	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/94-05/24/95	0	3	
ALPO0305	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/09/92-11/09/92	0	1	
ALPO0306	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/03/92-08/03/92	0	1	
ALPO0307	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/10/94-08/10/94	0	1	
ALPO0308	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/19/94-12/06/94	0	2	
ALPO0310	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/19/94-12/06/94	0	2	
ALPO0311	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/15/93-04/19/94	0	2	
ALPO0312	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/15/93-07/15/93	0	1	
ALPO0313	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/03/92-10/16/93	1	2	
ALPO0314	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/29/92-10/16/93	1	4	
ALPO0315	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/23/92-11/23/92	0	1	
ALPO0316	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/94-07/20/94	0	1	
ALPO0317	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/13/93-07/13/93	0	1	
ALPO0319	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/94-12/06/94	0	2	
ALPO0320	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-11/21/94	0	2	
ALPO0321	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/07/94-07/07/94	0	1	
ALPO0324	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/29/92-10/16/93	1	4	
ALPO0325	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/94-12/01/94	0	2	
ALPO0327	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-06/14/94	0	1	
ALPO0328	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/93-05/24/94	0	2	
ALPO0329	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/93-05/24/94	0	2	
ALPO0331	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/14/93-07/14/93	0	1	
ALPO0332	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-06/14/94	0	1	
ALPO0333	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-06/14/94	0	1	
ALPO0334	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/06/74-01/07/88	13	17	
ALPO0335	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/21/94-11/21/94	0	1	
ALPO0337	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/22/94-08/22/94	0	1	
ALPO0338	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/11/94-11/16/94	0	2	
ALPO0339	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/94-08/15/94	0	2	
ALPO0340	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/94-08/15/94	0	1	
ALPO0341	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/94-08/15/94	0	1	
ALPO0342	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/94-08/15/94	0	1	
ALPO0343	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/27/93-05/23/94	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0344	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/94-08/15/94	0	1	
ALPO0345	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/94-11/21/94	0	2	
ALPO0346	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/25/80-04/28/81	0	5	
ALPO0347	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/28/94-05/28/94	0	1	
ALPO0348	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/08/70-01/07/88	17	17	
ALPO0349	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/94-08/15/94	0	1	
ALPO0351	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/23/59-05/23/94	34	19	
ALPO0352	No	01055	MANGANESE, TOTAL (UG/L AS MN)	12/30/80-04/28/81	0	4	
ALPO0354	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/94-08/15/94	0	1	
ALPO0355	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/11/94-06/14/95	0	3	
ALPO0356	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/05/79-08/14/81	2	6	
ALPO0357	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/21/94-11/21/94	0	1	
ALPO0358	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/25/80-04/28/81	0	6	
ALPO0359	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/06/79-05/23/94	14	8	
ALPO0360	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/25/94-08/25/94	0	1	
ALPO0361	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/23/93-01/25/96	2	3	
ALPO0362	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/92-01/25/96	3	7	
ALPO0363	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/23/93-05/05/95	1	2	
ALPO0364	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/13/93-11/14/94	1	3	
ALPO0365	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/23/93-09/30/95	1	4	
ALPO0366	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/30/92-04/20/95	2	5	
ALPO0367	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/13/93-09/30/95	2	6	
ALPO0368	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/15/94-04/12/95	0	2	
ALPO0369	No	01055	MANGANESE, TOTAL (UG/L AS MN)	02/05/94-01/24/96	1	5	
ALPO0370	No	01055	MANGANESE, TOTAL (UG/L AS MN)	02/05/94-01/24/96	1	4	
ALPO0371	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/15/94-11/15/94	0	1	
ALPO0372	No	01055	MANGANESE, TOTAL (UG/L AS MN)	02/05/94-01/24/96	1	6	
ALPO0373	No	01055	MANGANESE, TOTAL (UG/L AS MN)	02/05/94-08/29/95	1	3	
ALPO0374	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/15/93-10/01/95	2	3	
ALPO0375	No	01055	MANGANESE, TOTAL (UG/L AS MN)	02/05/94-01/24/96	1	6	
ALPO0376	No	01055	MANGANESE, TOTAL (UG/L AS MN)	02/05/94-01/24/96	1	5	
ALPO0377	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/15/93-01/25/96	2	6	
ALPO0378	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/92-12/20/94	2	4	
ALPO0379	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/30/92-12/20/94	2	4	
ALPO0380	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/15/93-07/15/93	0	1	
ALPO0381	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/15/93-07/15/93	0	1	
ALPO0007	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/08/79-08/13/81	2	6	
ALPO0011	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/08/79-08/13/81	2	5	
ALPO0012	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/08/79-08/13/81	2	6	
ALPO0014	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/08/79-08/13/81	2	6	
ALPO0029	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/03/70-06/03/70	0	1	
ALPO0030	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/03/70-06/03/70	0	1	
ALPO0031	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/13/94-06/13/94	0	1	
ALPO0032	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/13/94-06/13/94	0	1	
ALPO0033	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/13/94-06/13/94	0	1	
ALPO0035	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/94-08/01/94	0	1	
ALPO0037	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/13/94-06/13/94	0	1	
ALPO0038	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/94-06/14/94	0	1	
ALPO0039	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/02/92-06/02/93	1	5	
ALPO0040	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/03/93-04/03/96	2	4	
ALPO0041	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/02/92-06/02/93	1	6	
ALPO0042	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/03/93-04/03/96	2	4	
ALPO0043	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/13/94-06/13/94	0	1	
ALPO0044	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/03/93-06/13/94	0	2	
ALPO0045	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/01/94-04/03/96	1	2	
ALPO0046	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/03/96-04/03/96	0	1	
ALPO0047	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/09/92-06/02/93	0	5	
ALPO0048	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/13/94-06/13/94	0	1	
ALPO0049	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/13/94-06/13/94	0	1	
ALPO0051	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/06/92-10/15/92	0	2	
ALPO0052	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/94-06/14/94	0	1	
ALPO0053	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/94-06/14/94	0	1	
ALPO0055	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/10/92-06/10/92	0	1	
ALPO0058	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/94-04/04/96	1	2	
ALPO0059	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/27/92-04/04/96	3	5	
ALPO0062	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/94-04/04/96	1	3	
ALPO0066	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/02/92-06/03/93	1	6	
ALPO0067	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/06/93-03/06/93	0	1	
ALPO0068	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/02/92-06/03/93	1	6	
ALPO0069	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/06/93-03/06/93	0	1	
ALPO0070	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/02/92-11/06/93	1	3	
ALPO0071	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/02/92-06/03/93	1	5	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0072	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/02/92-06/03/93	1	5	
ALPO0073	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-06/07/93	0	1	
ALPO0074	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-06/07/93	0	1	
ALPO0075	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/09/92-06/03/93	0	4	
ALPO0077	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-06/07/93	0	1	
ALPO0078	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/09/92-06/09/92	0	1	
ALPO0080	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/09/92-06/09/92	0	1	
ALPO0081	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/08/94-04/04/95	0	4	
ALPO0082	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/08/93-06/08/93	0	1	
ALPO0083	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/22/94-09/22/94	0	1	
ALPO0084	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/08/93-06/08/93	0	1	
ALPO0085	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-06/07/93	0	1	
ALPO0086	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-06/14/93	0	1	
ALPO0087	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-06/07/93	0	1	
ALPO0088	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-06/07/93	0	1	
ALPO0089	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-06/14/93	0	1	
ALPO0090	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-06/14/93	0	1	
ALPO0091	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/93-02/01/95	1	4	
ALPO0092	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-06/14/93	0	1	
ALPO0093	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/93-02/01/95	1	4	
ALPO0094	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/08/93-06/08/93	0	1	
ALPO0095	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/27/92-07/27/92	0	1	
ALPO0096	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/27/92-07/27/92	0	1	
ALPO0097	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-06/01/94	0	2	
ALPO0098	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/09/93-02/01/95	1	2	
ALPO0099	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/30/93-06/30/93	0	1	
ALPO0100	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/30/93-12/08/94	1	3	
ALPO0101	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/13/93-04/06/95	1	4	
ALPO0102	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/30/93-06/30/93	0	1	
ALPO0103	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-11/29/94	1	3	
ALPO0104	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/01/94-03/14/95	0	3	
ALPO0105	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/30/93-06/30/93	0	1	
ALPO0106	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/94-10/13/94	0	2	
ALPO0107	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/94-10/13/94	0	2	
ALPO0108	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/30/93-06/30/93	0	1	
ALPO0109	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/30/93-06/30/93	0	1	
ALPO0110	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/01/93-03/14/95	1	4	
ALPO0111	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/01/94-12/08/94	0	2	
ALPO0112	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/30/93-06/30/93	0	1	
ALPO0113	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/31/94-05/31/94	0	1	
ALPO0114	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/30/93-06/30/93	0	1	
ALPO0115	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/03/93-06/03/93	0	1	
ALPO0116	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/01/94-06/01/94	0	1	
ALPO0117	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/06/93-07/06/93	0	1	
ALPO0118	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/01/94-03/14/95	0	3	
ALPO0119	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/06/93-07/06/93	0	1	
ALPO0120	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/03/93-11/29/94	1	2	
ALPO0121	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/03/93-06/03/93	0	1	
ALPO0122	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/06/93-06/01/94	0	2	
ALPO0123	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/03/93-06/03/93	0	1	
ALPO0124	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-06/06/94	0	2	
ALPO0125	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/02/93-04/06/95	1	4	
ALPO0126	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/02/93-06/01/94	0	2	
ALPO0127	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/93-06/29/93	0	1	
ALPO0128	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/02/93-06/01/94	0	2	
ALPO0129	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/93-03/07/95	1	4	
ALPO0130	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/14/86-05/04/86	0	2	
ALPO0131	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/09/93-06/09/93	0	1	
ALPO0132	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/30/93-03/07/95	1	4	
ALPO0133	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/93-03/07/95	1	4	
ALPO0134	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/27/94-04/04/95	0	3	
ALPO0135	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-10/13/94	1	4	
ALPO0136	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/06/94-06/06/94	0	1	
ALPO0137	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-10/13/94	1	4	
ALPO0138	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-06/07/93	0	1	
ALPO0139	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/93-06/29/93	0	1	
ALPO0140	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/93-06/29/93	0	1	
ALPO0141	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/93-06/29/93	0	1	
ALPO0142	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/05/92-04/06/95	2	8	
ALPO0143	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/30/92-11/30/92	0	1	
ALPO0144	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/30/92-11/30/92	0	1	
ALPO0145	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/16/94-04/06/95	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0146	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-10/13/94	1	4	
ALPO0147	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-06/14/93	0	1	
ALPO0148	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-06/14/93	0	1	
ALPO0149	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-04/06/95	1	3	
ALPO0150	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-06/14/93	0	1	
ALPO0151	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/27/94-12/15/94	0	2	
ALPO0152	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/28/92-05/31/94	1	6	
ALPO0153	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/28/93-05/31/94	1	4	
ALPO0154	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/93-06/29/93	0	1	
ALPO0155	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/22/92-11/06/93	0	4	
ALPO0156	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/93-06/29/93	0	1	
ALPO0157	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-03/16/95	1	4	
ALPO0158	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-06/14/93	0	1	
ALPO0159	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-06/14/93	0	1	
ALPO0160	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/18/93-03/07/95	1	4	
ALPO0161	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/18/93-03/13/95	1	4	
ALPO0162	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/18/93-03/13/95	1	4	
ALPO0164	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/94-08/01/94	0	1	
ALPO0166	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/94-08/01/94	0	1	
ALPO0168	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/93-06/29/93	0	1	
ALPO0169	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/27/93-07/27/93	0	1	
ALPO0170	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/28/93-05/25/94	0	2	
ALPO0171	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/28/93-05/23/95	1	4	
ALPO0172	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/28/93-05/25/94	0	2	
ALPO0173	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/93-10/19/94	1	3	
ALPO0174	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/93-12/15/94	1	3	
ALPO0175	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/94-08/01/94	0	1	
ALPO0176	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/93-05/16/95	1	4	
ALPO0179	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/12/93-07/12/93	0	1	
ALPO0180	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/05/93-08/05/93	0	1	
ALPO0181	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/12/93-06/06/94	0	2	
ALPO0182	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/12/93-06/06/94	0	2	
ALPO0183	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/12/93-06/05/94	0	2	
ALPO0184	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/12/93-08/12/93	0	1	
ALPO0185	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/12/93-08/12/93	0	1	
ALPO0186	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/11/95-04/11/95	0	1	
ALPO0187	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/12/93-08/12/93	0	1	
ALPO0188	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/12/93-08/12/93	0	1	
ALPO0189	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/15/93-06/05/94	0	2	
ALPO0190	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/24/93-06/13/95	1	3	
ALPO0191	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/24/93-06/24/93	0	1	
ALPO0192	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/22/93-03/15/95	1	3	
ALPO0193	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/22/93-06/08/94	0	2	
ALPO0194	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/93-06/29/93	0	1	
ALPO0195	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-06/14/93	0	1	
ALPO0196	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/93-10/03/94	1	3	
ALPO0197	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/25/94-05/25/94	0	1	
ALPO0198	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/04/93-09/29/94	1	3	
ALPO0199	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/06/79-08/14/81	2	6	
ALPO0200	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/25/94-05/25/94	0	1	
ALPO0201	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/04/93-09/29/94	1	3	
ALPO0202	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/21/93-12/21/93	0	1	
ALPO0203	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/14/86-05/04/86	0	2	
ALPO0204	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/25/94-05/25/94	0	1	
ALPO0205	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/24/93-06/24/93	0	1	
ALPO0206	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/15/93-06/15/93	0	1	
ALPO0207	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/05/93-08/05/93	0	1	
ALPO0208	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/15/93-06/15/93	0	1	
ALPO0209	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-04/11/95	1	4	
ALPO0210	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/26/93-07/26/93	0	1	
ALPO0211	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-04/11/95	1	4	
ALPO0212	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/05/93-08/05/93	0	1	
ALPO0213	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/26/93-07/26/93	0	1	
ALPO0214	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-08/16/93	0	1	
ALPO0215	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/15/93-06/15/93	0	1	
ALPO0216	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/15/93-06/15/93	0	1	
ALPO0217	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/15/93-06/15/93	0	1	
ALPO0218	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/04/93-09/29/94	1	3	
ALPO0219	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/04/93-05/23/94	0	2	
ALPO0220	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/04/93-05/23/94	0	2	
ALPO0221	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/17/93-06/17/93	0	1	
ALPO0222	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/12/93-05/23/95	1	4	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0223	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/12/93-05/23/95	1	4	
ALPO0224	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/12/93-05/23/94	0	3	
ALPO0226	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/12/93-05/24/94	0	2	
ALPO0227	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/12/93-12/15/94	1	3	
ALPO0228	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/01/94-07/01/94	0	1	
ALPO0230	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/12/93-05/24/94	0	2	
ALPO0232	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/17/93-06/17/93	0	1	
ALPO0234	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/10/94-08/10/94	0	1	
ALPO0236	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-08/16/93	0	1	
ALPO0237	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-08/16/93	0	1	
ALPO0240	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-05/17/95	1	4	
ALPO0241	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-08/16/93	0	1	
ALPO0242	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-09/24/94	1	3	
ALPO0243	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-08/16/93	0	1	
ALPO0244	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/20/94-09/23/94	0	2	
ALPO0245	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/20/94-06/20/94	0	1	
ALPO0246	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/26/94-10/05/94	0	3	
ALPO0247	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/20/94-06/20/94	0	1	
ALPO0248	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/21/93-06/09/94	0	2	
ALPO0249	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-08/16/93	0	1	
ALPO0250	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/21/93-12/21/93	0	1	
ALPO0251	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/21/93-06/09/94	0	2	
ALPO0252	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/21/93-12/21/93	0	1	
ALPO0253	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-08/16/93	0	1	
ALPO0255	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-08/16/93	0	1	
ALPO0256	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/26/94-05/18/95	0	4	
ALPO0257	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/26/94-05/18/95	0	4	
ALPO0258	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/26/94-05/18/95	0	4	
ALPO0260	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/26/93-07/26/93	0	1	
ALPO0261	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/26/94-05/18/95	0	3	
ALPO0262	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/06/79-08/11/81	2	6	
ALPO0263	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-08/16/93	0	1	
ALPO0264	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/26/94-10/11/94	0	3	
ALPO0265	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-11/22/94	1	3	
ALPO0268	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/02/94-11/22/94	0	2	
ALPO0271	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/02/94-11/22/94	0	2	
ALPO0272	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/25/94-08/25/94	0	1	
ALPO0273	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/02/94-08/02/94	0	1	
ALPO0274	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/25/94-08/25/94	0	1	
ALPO0275	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/14/86-05/04/86	0	2	
ALPO0276	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/03/94-11/20/94	0	2	
ALPO0277	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/26/94-05/24/95	0	3	
ALPO0279	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/26/94-12/29/94	0	2	
ALPO0280	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/29/92-07/29/92	0	1	
ALPO0281	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/14/86-05/04/86	0	2	
ALPO0282	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/06/79-08/14/81	2	6	
ALPO0284	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/10/94-08/10/94	0	1	
ALPO0285	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/29/92-10/16/93	1	5	
ALPO0286	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/27/94-03/19/95	0	3	
ALPO0287	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/29/92-10/19/93	1	5	
ALPO0288	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/94-03/19/95	0	3	
ALPO0289	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/94-03/19/95	0	2	
ALPO0290	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/29/92-07/29/92	0	1	
ALPO0291	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/09/92-11/09/92	0	1	
ALPO0292	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/94-03/19/95	0	3	
ALPO0293	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/27/94-03/19/95	0	3	
ALPO0294	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/94-03/19/95	0	3	
ALPO0295	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/94-03/19/95	0	3	
ALPO0297	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/94-03/19/95	0	3	
ALPO0298	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/94-09/20/94	0	2	
ALPO0299	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/94-09/20/94	0	2	
ALPO0300	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/94-03/19/95	0	3	
ALPO0301	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/94-05/24/95	0	3	
ALPO0302	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/03/92-08/03/92	0	1	
ALPO0303	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/09/92-11/09/92	0	1	
ALPO0304	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/94-05/24/95	0	3	
ALPO0305	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/09/92-11/09/92	0	1	
ALPO0306	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/03/92-08/03/92	0	1	
ALPO0307	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/10/94-08/10/94	0	1	
ALPO0308	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/19/94-12/06/94	0	2	
ALPO0310	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/19/94-12/06/94	0	2	
ALPO0313	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/03/92-10/16/93	1	2	

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Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0314	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/29/92-10/16/93	1	4	
ALPO0315	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/23/92-11/23/92	0	1	
ALPO0316	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/94-07/20/94	0	1	
ALPO0319	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/94-12/06/94	0	2	
ALPO0324	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/29/92-10/16/93	1	4	
ALPO0325	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/94-12/01/94	0	2	
ALPO0328	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/93-07/28/93	0	1	
ALPO0329	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/93-07/28/93	0	1	
ALPO0333	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/94-06/14/94	0	1	
ALPO0337	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/22/94-08/22/94	0	1	
ALPO0338	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/11/94-11/16/94	0	2	
ALPO0339	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/15/94-08/15/94	0	2	
ALPO0340	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/15/94-08/15/94	0	1	
ALPO0341	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/15/94-08/15/94	0	1	
ALPO0342	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/15/94-08/15/94	0	1	
ALPO0343	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/27/93-07/27/93	0	1	
ALPO0347	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/28/94-05/28/94	0	1	
ALPO0349	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/15/94-08/15/94	0	1	
ALPO0350	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/16/59-07/08/71	11	2	
ALPO0351	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/12/59-09/22/81	21	17	
ALPO0355	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/11/94-06/14/95	0	3	
ALPO0356	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/05/79-08/14/81	2	6	
ALPO0359	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/06/79-05/23/94	14	8	
ALPO0360	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/25/94-08/25/94	0	1	
ALPO0361	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/93-01/25/96	2	3	
ALPO0362	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/92-01/25/96	3	7	
ALPO0363	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/93-05/05/95	1	2	
ALPO0364	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/13/93-11/14/94	1	3	
ALPO0365	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/93-09/30/95	1	4	
ALPO0366	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/30/92-04/20/95	2	5	
ALPO0367	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/13/93-09/30/95	2	6	
ALPO0368	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/15/94-04/12/95	0	2	
ALPO0369	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/05/94-01/24/96	1	5	
ALPO0370	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/05/94-01/24/96	1	4	
ALPO0371	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/15/94-11/15/94	0	1	
ALPO0372	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/05/94-01/24/96	1	6	
ALPO0373	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/05/94-08/29/95	1	3	
ALPO0374	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/15/93-10/01/95	2	3	
ALPO0375	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/05/94-01/24/96	1	6	
ALPO0376	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/05/94-01/24/96	1	5	
ALPO0377	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/15/93-01/25/96	2	6	
ALPO0378	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/92-12/20/94	2	4	
ALPO0379	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/30/92-12/20/94	2	4	
ALPO0380	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/15/93-07/15/93	0	1	
ALPO0381	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/15/93-07/15/93	0	1	
ALPO0346	No	01059	THALLIUM, TOTAL (UG/L AS TL)	02/11/81-04/28/81	0	2	
ALPO0352	No	01059	THALLIUM, TOTAL (UG/L AS TL)	02/11/81-04/28/81	0	2	
ALPO0358	No	01059	THALLIUM, TOTAL (UG/L AS TL)	02/11/81-04/28/81	0	2	
ALPO0351	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	05/15/97-05/15/97	0	1	
ALPO0351	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/15/97-05/15/97	0	1	
ALPO0334	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/06/74-01/07/88	13	14	
ALPO0346	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/25/80-04/28/81	0	5	
ALPO0348	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/06/74-01/07/88	13	14	
ALPO0352	No	01067	NICKEL, TOTAL (UG/L AS NI)	12/30/80-04/28/81	0	4	
ALPO0358	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/25/80-04/28/81	0	6	
ALPO0351	No	01075	SILVER, DISSOLVED (UG/L AS AG)	05/15/97-05/15/97	0	1	
ALPO0351	No	01077	SILVER, TOTAL (UG/L AS AG)	11/05/79-11/05/79	0	1	
ALPO0318	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	07/15/77-07/15/77	0	1	
ALPO0351	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/15/97-05/15/97	0	1	
ALPO0004	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/23/87-08/15/96	9	15	
ALPO0010	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/09/87-11/06/96	9	16	
ALPO0016	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/22/87-09/06/96	9	16	
ALPO0018	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/08/87-10/31/96	9	16	
ALPO0021	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/08/87-09/06/96	9	16	
ALPO0022	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/08/87-10/31/96	9	15	
ALPO0163	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/07/86-08/18/86	0	5	
ALPO0165	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/22/86-07/22/86	0	1	
ALPO0177	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/07/86-08/18/86	0	5	
ALPO0178	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/25/86-06/25/86	0	1	
ALPO0225	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/22/86-07/22/86	0	1	
ALPO0229	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/07/86-08/18/86	0	5	
ALPO0233	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/25/86-06/25/86	0	1	

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Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0235	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/07/86-08/18/86	0	5	
ALPO0238	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/07/86-08/18/86	0	5	
ALPO0254	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	05/07/86-08/18/86	0	5	
ALPO0334	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/06/74-01/07/88	13	14	
ALPO0346	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/25/80-04/28/81	0	5	
ALPO0348	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/06/74-01/07/88	13	14	
ALPO0351	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/05/79-11/05/79	0	1	
ALPO0352	No	01092	ZINC, TOTAL (UG/L AS ZN)	12/30/80-04/28/81	0	4	
ALPO0358	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/25/80-04/28/81	0	6	
ALPO0007	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/14/79-08/14/79	0	1	
ALPO0199	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/20/80-08/20/80	0	1	
ALPO0262	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/06/79-08/06/79	0	1	
ALPO0282	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/18/80-08/18/80	0	1	
ALPO0356	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/09/79-08/09/79	0	1	
ALPO0359	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/23/80-08/23/80	0	1	
ALPO0351	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/15/97-05/15/97	0	1	
ALPO0346	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	02/11/81-04/28/81	0	2	
ALPO0352	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	02/11/81-04/28/81	0	2	
ALPO0358	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	02/11/81-04/28/81	0	2	
ALPO0005	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/17/67-10/17/67	0	1	
ALPO0031	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/13/94-06/13/94	0	1	
ALPO0032	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/13/94-06/13/94	0	1	
ALPO0033	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/13/94-06/13/94	0	1	
ALPO0035	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/01/94-08/01/94	0	1	
ALPO0037	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/13/94-06/13/94	0	1	
ALPO0038	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-06/14/94	0	1	
ALPO0039	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/02/92-06/02/93	1	5	
ALPO0040	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/03/93-04/03/96	2	4	
ALPO0041	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/02/92-06/02/93	1	6	
ALPO0042	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/03/93-04/03/96	2	4	
ALPO0043	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/13/94-06/13/94	0	1	
ALPO0044	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/03/93-06/13/94	0	2	
ALPO0045	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/01/94-04/03/96	1	2	
ALPO0046	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/03/96-04/03/96	0	1	
ALPO0047	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/09/92-06/02/93	0	5	
ALPO0048	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/13/94-06/13/94	0	1	
ALPO0049	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/13/94-06/13/94	0	1	
ALPO0051	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/06/92-10/15/92	0	2	
ALPO0052	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-06/14/94	0	1	
ALPO0053	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-06/14/94	0	1	
ALPO0055	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/10/92-06/10/92	0	1	
ALPO0058	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-04/04/96	1	2	
ALPO0059	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/27/92-04/04/96	3	5	
ALPO0062	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-04/04/96	1	3	
ALPO0066	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/02/92-06/03/93	1	6	
ALPO0067	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/06/93-03/06/93	0	1	
ALPO0068	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/02/92-06/03/93	1	6	
ALPO0069	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/06/93-03/06/93	0	1	
ALPO0070	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/02/92-11/06/93	1	3	
ALPO0071	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/02/92-06/03/93	1	5	
ALPO0072	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/02/92-06/03/93	1	5	
ALPO0073	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-06/07/93	0	1	
ALPO0074	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-06/07/93	0	1	
ALPO0075	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/09/92-06/03/93	0	4	
ALPO0077	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-06/07/93	0	1	
ALPO0078	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/09/92-06/09/92	0	1	
ALPO0080	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/09/92-06/09/92	0	1	
ALPO0081	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/08/94-04/04/95	0	4	
ALPO0082	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/08/93-06/08/93	0	1	
ALPO0083	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	09/22/94-09/22/94	0	1	
ALPO0084	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/08/93-06/08/93	0	1	
ALPO0085	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-06/07/93	0	1	
ALPO0086	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-06/14/93	0	1	
ALPO0087	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-06/07/93	0	1	
ALPO0088	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-06/07/93	0	1	
ALPO0089	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-06/14/93	0	1	
ALPO0090	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-06/14/93	0	1	
ALPO0091	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/20/93-02/01/95	1	4	
ALPO0092	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-06/14/93	0	1	
ALPO0093	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/20/93-02/01/95	1	4	
ALPO0094	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/08/93-06/08/93	0	1	
ALPO0095	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/27/92-07/27/92	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0096	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/27/92-07/27/92	0	1	
ALPO0097	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-06/01/94	0	2	
ALPO0098	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/09/93-02/01/95	1	2	
ALPO0099	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/30/93-06/30/93	0	1	
ALPO0100	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/30/93-12/08/94	1	3	
ALPO0101	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/13/93-04/06/95	1	4	
ALPO0102	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/30/93-06/30/93	0	1	
ALPO0103	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-11/29/94	1	3	
ALPO0104	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/01/94-03/14/95	0	3	
ALPO0105	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/30/93-06/30/93	0	1	
ALPO0106	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/01/94-10/13/94	0	2	
ALPO0107	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/01/94-10/13/94	0	2	
ALPO0108	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/30/93-06/30/93	0	1	
ALPO0109	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/30/93-06/30/93	0	1	
ALPO0110	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/01/93-03/14/95	1	4	
ALPO0111	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/01/94-12/08/94	0	2	
ALPO0112	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/30/93-06/30/93	0	1	
ALPO0113	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/31/94-05/31/94	0	1	
ALPO0114	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/30/93-06/30/93	0	1	
ALPO0115	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/03/93-06/03/93	0	1	
ALPO0116	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/01/94-06/01/94	0	1	
ALPO0117	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/06/93-07/06/93	0	1	
ALPO0118	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/01/94-03/14/95	0	3	
ALPO0119	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/06/93-07/06/93	0	1	
ALPO0120	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/03/93-11/29/94	1	2	
ALPO0121	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/03/93-06/03/93	0	1	
ALPO0122	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/06/93-06/01/94	0	2	
ALPO0123	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/03/93-06/03/93	0	1	
ALPO0124	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-06/06/94	0	2	
ALPO0125	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/02/93-04/06/95	1	4	
ALPO0126	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/02/93-06/01/94	0	2	
ALPO0127	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/29/93-06/29/93	0	1	
ALPO0128	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/02/93-06/01/94	0	2	
ALPO0129	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/29/93-03/07/95	1	4	
ALPO0130	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/14/86-05/04/86	0	2	
ALPO0131	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/09/93-06/09/93	0	1	
ALPO0132	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/30/93-03/07/95	1	4	
ALPO0133	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/29/93-03/07/95	1	4	
ALPO0134	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/27/94-04/04/95	0	3	
ALPO0135	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-10/13/94	1	4	
ALPO0136	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/06/94-06/06/94	0	1	
ALPO0137	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-10/13/94	1	4	
ALPO0138	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-06/07/93	0	1	
ALPO0139	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/29/93-06/29/93	0	1	
ALPO0140	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/29/93-06/29/93	0	1	
ALPO0141	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/29/93-06/29/93	0	1	
ALPO0142	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/05/92-04/06/95	2	8	
ALPO0143	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/30/92-11/30/92	0	1	
ALPO0144	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/30/92-11/30/92	0	1	
ALPO0145	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/16/94-04/06/95	0	2	
ALPO0146	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-10/13/94	1	4	
ALPO0147	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-06/14/93	0	1	
ALPO0148	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-06/14/93	0	1	
ALPO0149	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-04/06/95	1	3	
ALPO0150	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-06/14/93	0	1	
ALPO0151	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/27/94-12/15/94	0	2	
ALPO0152	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/28/92-05/31/94	1	6	
ALPO0153	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	01/28/93-05/31/94	1	4	
ALPO0154	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/29/93-06/29/93	0	1	
ALPO0155	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	12/22/92-11/06/93	0	4	
ALPO0156	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/29/93-06/29/93	0	1	
ALPO0157	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-03/16/95	1	4	
ALPO0158	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-06/14/93	0	1	
ALPO0159	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-06/14/93	0	1	
ALPO0160	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/18/93-03/07/95	1	4	
ALPO0161	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/18/93-03/13/95	1	4	
ALPO0162	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/18/93-03/13/95	1	4	
ALPO0163	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/07/86-07/07/87	1	12	
ALPO0164	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/01/94-08/01/94	0	1	
ALPO0165	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/22/86-07/22/86	0	1	
ALPO0166	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/01/94-08/01/94	0	1	
ALPO0168	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/29/93-06/29/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0169	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/27/93-07/27/93	0	1	
ALPO0170	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/28/93-05/25/94	0	2	
ALPO0171	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/28/93-05/23/95	1	4	
ALPO0172	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/28/93-05/25/94	0	2	
ALPO0173	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/93-10/19/94	1	2	
ALPO0174	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/93-12/15/94	1	3	
ALPO0175	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/01/94-08/01/94	0	1	
ALPO0176	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/93-05/16/95	1	4	
ALPO0177	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/07/86-07/07/87	1	13	
ALPO0178	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/25/86-07/07/87	1	6	
ALPO0179	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/12/93-07/12/93	0	1	
ALPO0180	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/05/93-08/05/93	0	1	
ALPO0181	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/12/93-06/06/94	0	2	
ALPO0182	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/12/93-06/06/94	0	2	
ALPO0183	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/12/93-06/05/94	0	2	
ALPO0184	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/12/93-08/12/93	0	1	
ALPO0185	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/12/93-08/12/93	0	1	
ALPO0186	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/11/95-04/11/95	0	1	
ALPO0187	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/12/93-08/12/93	0	1	
ALPO0188	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/12/93-08/12/93	0	1	
ALPO0189	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/15/93-06/05/94	0	2	
ALPO0190	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/24/93-06/13/95	1	3	
ALPO0191	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/24/93-06/24/93	0	1	
ALPO0192	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/22/93-03/15/95	1	3	
ALPO0193	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/22/93-06/08/94	0	2	
ALPO0194	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/29/93-06/29/93	0	1	
ALPO0195	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-06/14/93	0	1	
ALPO0196	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/93-10/03/94	1	3	
ALPO0197	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/25/94-05/25/94	0	1	
ALPO0198	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/04/93-09/29/94	1	3	
ALPO0200	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/25/94-05/25/94	0	1	
ALPO0201	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/04/93-09/29/94	1	3	
ALPO0202	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	12/21/93-12/21/93	0	1	
ALPO0203	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/14/86-05/04/86	0	2	
ALPO0204	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/25/94-05/25/94	0	1	
ALPO0205	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/24/93-06/24/93	0	1	
ALPO0206	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/15/93-06/15/93	0	1	
ALPO0207	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/05/93-08/05/93	0	1	
ALPO0208	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/15/93-06/15/93	0	1	
ALPO0209	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-04/11/95	1	4	
ALPO0210	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/93-07/26/93	0	1	
ALPO0211	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-04/11/95	1	4	
ALPO0212	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/05/93-08/05/93	0	1	
ALPO0213	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/93-07/26/93	0	1	
ALPO0214	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-08/16/93	0	1	
ALPO0215	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/15/93-06/15/93	0	1	
ALPO0216	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/15/93-06/15/93	0	1	
ALPO0217	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/15/93-06/15/93	0	1	
ALPO0218	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/04/93-09/29/94	1	3	
ALPO0219	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/04/93-05/23/94	0	2	
ALPO0220	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/04/93-05/23/94	0	2	
ALPO0221	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/17/93-06/17/93	0	1	
ALPO0222	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/12/93-05/23/95	1	4	
ALPO0223	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/12/93-05/23/95	1	4	
ALPO0224	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/12/93-05/23/94	0	3	
ALPO0225	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/22/86-07/07/87	0	3	
ALPO0226	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/12/93-05/24/94	0	2	
ALPO0227	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/12/93-12/15/94	1	3	
ALPO0228	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/01/94-07/01/94	0	1	
ALPO0229	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/07/86-07/07/87	1	13	
ALPO0230	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/12/93-05/24/94	0	2	
ALPO0232	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/17/93-06/17/93	0	1	
ALPO0233	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/25/86-06/02/87	0	5	
ALPO0234	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/10/94-08/10/94	0	1	
ALPO0235	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/07/86-07/07/87	1	13	
ALPO0236	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-08/16/93	0	1	
ALPO0237	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-08/16/93	0	1	
ALPO0238	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/07/86-07/07/87	1	13	
ALPO0239	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/30/93-08/30/93	0	1	
ALPO0240	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-05/17/95	1	4	
ALPO0241	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-08/16/93	0	1	
ALPO0242	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-06/20/94	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0243	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-08/16/93	0	1	
ALPO0244	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/20/94-09/23/94	0	2	
ALPO0245	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/20/94-06/20/94	0	1	
ALPO0246	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/94-10/05/94	0	3	
ALPO0247	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/20/94-06/20/94	0	1	
ALPO0248	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	12/21/93-06/09/94	0	2	
ALPO0249	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-08/16/93	0	1	
ALPO0250	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	12/21/93-12/21/93	0	1	
ALPO0251	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	12/21/93-06/09/94	0	2	
ALPO0252	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	12/21/93-12/21/93	0	1	
ALPO0253	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-08/16/93	0	1	
ALPO0254	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/07/86-07/07/87	1	13	
ALPO0255	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-08/16/93	0	1	
ALPO0256	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/94-05/18/95	0	4	
ALPO0257	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/94-05/18/95	0	4	
ALPO0258	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/94-05/18/95	0	4	
ALPO0260	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/93-07/26/93	0	1	
ALPO0261	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/94-05/18/95	0	3	
ALPO0263	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-08/16/93	0	1	
ALPO0264	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/94-10/11/94	0	3	
ALPO0265	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-11/22/94	1	3	
ALPO0268	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/02/94-11/22/94	0	2	
ALPO0271	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/02/94-11/22/94	0	2	
ALPO0272	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/25/94-08/25/94	0	1	
ALPO0273	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/02/94-08/02/94	0	1	
ALPO0274	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/25/94-08/25/94	0	1	
ALPO0275	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/14/86-05/04/86	0	2	
ALPO0276	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/03/94-11/20/94	0	2	
ALPO0277	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/94-05/24/95	0	3	
ALPO0278	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/12/93-07/12/93	0	1	
ALPO0279	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/94-12/29/94	0	2	
ALPO0280	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/29/92-07/29/92	0	1	
ALPO0281	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/14/86-05/04/86	0	2	
ALPO0282	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/93-05/24/94	0	2	
ALPO0283	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/13/93-07/13/93	0	1	
ALPO0284	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/10/94-08/10/94	0	1	
ALPO0285	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/29/92-10/16/93	1	5	
ALPO0286	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/27/94-03/19/95	0	3	
ALPO0287	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/29/92-10/19/93	1	5	
ALPO0288	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/94-03/19/95	0	3	
ALPO0289	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/94-03/19/95	0	2	
ALPO0290	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/29/92-07/29/92	0	1	
ALPO0291	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/09/92-11/09/92	0	1	
ALPO0292	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/94-03/19/95	0	3	
ALPO0293	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/27/94-03/19/95	0	3	
ALPO0294	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/94-03/19/95	0	3	
ALPO0295	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/94-03/19/95	0	3	
ALPO0297	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/94-03/19/95	0	3	
ALPO0298	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/94-09/20/94	0	2	
ALPO0299	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/94-09/20/94	0	2	
ALPO0300	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/94-03/19/95	0	3	
ALPO0301	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/94-05/24/95	0	3	
ALPO0302	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/03/92-08/03/92	0	1	
ALPO0303	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/09/92-11/09/92	0	1	
ALPO0304	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/94-05/24/95	0	3	
ALPO0305	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/09/92-11/09/92	0	1	
ALPO0306	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/03/92-08/03/92	0	1	
ALPO0307	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/10/94-08/10/94	0	1	
ALPO0308	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/19/94-12/06/94	0	2	
ALPO0310	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/19/94-12/06/94	0	2	
ALPO0311	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/15/93-04/19/94	0	2	
ALPO0312	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/15/93-07/15/93	0	1	
ALPO0313	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/03/92-10/16/93	1	2	
ALPO0314	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/29/92-10/16/93	1	4	
ALPO0315	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/23/92-11/23/92	0	1	
ALPO0316	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/20/94-07/20/94	0	1	
ALPO0317	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/13/93-07/13/93	0	1	
ALPO0319	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/20/94-12/06/94	0	2	
ALPO0320	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-11/21/94	0	2	
ALPO0321	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/07/94-07/07/94	0	1	
ALPO0324	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/29/92-10/16/93	1	4	
ALPO0325	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/20/94-12/01/94	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0327	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-06/14/94	0	1	
ALPO0328	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/93-05/24/94	0	2	
ALPO0329	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/93-05/24/94	0	2	
ALPO0330	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	09/29/65-09/29/65	0	1	
ALPO0331	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/14/93-07/14/93	0	1	
ALPO0332	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-06/14/94	0	1	
ALPO0333	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-06/14/94	0	1	
ALPO0334	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	37	165	T,S
ALPO0335	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/21/94-11/21/94	0	1	
ALPO0337	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/22/94-08/22/94	0	1	
ALPO0338	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/11/94-11/16/94	0	2	
ALPO0339	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/15/94-08/15/94	0	2	
ALPO0340	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/15/94-08/15/94	0	1	
ALPO0341	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/15/94-08/15/94	0	1	
ALPO0342	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/15/94-08/15/94	0	1	
ALPO0343	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/27/93-05/23/94	0	2	
ALPO0344	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/15/94-08/15/94	0	1	
ALPO0345	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/15/94-11/21/94	0	2	
ALPO0346	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/25/80-04/28/81	0	5	
ALPO0347	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/28/94-05/28/94	0	1	
ALPO0348	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	37	159	S
ALPO0349	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/15/94-08/15/94	0	1	
ALPO0351	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/23/59-05/23/94	34	4	
ALPO0352	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	12/30/80-04/28/81	0	4	
ALPO0354	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/15/94-08/15/94	0	1	
ALPO0355	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/11/94-06/14/95	0	3	
ALPO0357	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/21/94-11/21/94	0	1	
ALPO0358	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/25/80-04/28/81	0	4	
ALPO0359	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/93-05/23/94	0	2	
ALPO0360	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/25/94-08/25/94	0	1	
ALPO0361	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/23/93-01/25/96	2	3	
ALPO0362	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/92-01/25/96	3	7	
ALPO0363	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/23/93-05/05/95	1	2	
ALPO0364	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/13/93-11/14/94	1	3	
ALPO0365	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/23/93-09/30/95	1	4	
ALPO0366	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	09/30/92-04/20/95	2	5	
ALPO0367	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/13/93-09/30/95	2	6	
ALPO0368	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/15/94-04/12/95	0	2	
ALPO0369	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	02/05/94-01/24/96	1	5	
ALPO0370	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	02/05/94-01/24/96	1	4	
ALPO0371	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/15/94-11/15/94	0	1	
ALPO0372	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	02/05/94-01/24/96	1	6	
ALPO0373	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	02/05/94-08/29/95	1	3	
ALPO0374	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/15/93-10/01/95	2	3	
ALPO0375	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	02/05/94-01/24/96	1	6	
ALPO0376	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	02/05/94-01/24/96	1	5	
ALPO0377	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/15/93-01/25/96	2	6	
ALPO0378	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/92-12/20/94	2	4	
ALPO0379	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	09/30/92-12/20/94	2	4	
ALPO0380	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/15/93-07/15/93	0	1	
ALPO0381	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/15/93-07/15/93	0	1	
ALPO0278	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/12/93-07/12/93	0	1	
ALPO0282	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/28/93-05/24/94	0	2	
ALPO0283	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/13/93-07/13/93	0	1	
ALPO0311	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/15/93-04/19/94	0	2	
ALPO0312	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/15/93-07/15/93	0	1	
ALPO0317	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/13/93-07/13/93	0	1	
ALPO0318	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/15/77-07/15/77	0	1	
ALPO0320	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/14/94-11/21/94	0	2	
ALPO0321	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/07/94-07/07/94	0	1	
ALPO0327	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/14/94-06/14/94	0	1	
ALPO0328	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/28/93-05/24/94	0	2	
ALPO0329	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/28/93-05/24/94	0	2	
ALPO0331	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/14/93-07/14/93	0	1	
ALPO0332	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/14/94-06/14/94	0	1	
ALPO0333	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/14/94-06/14/94	0	1	
ALPO0335	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/21/94-11/21/94	0	1	
ALPO0339	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/94-08/15/94	0	2	
ALPO0340	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/94-08/15/94	0	1	
ALPO0341	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/94-08/15/94	0	1	
ALPO0342	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/94-08/15/94	0	1	
ALPO0343	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/27/93-05/23/94	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0344	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/94-08/15/94	0	1	
ALPO0345	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/94-11/21/94	0	2	
ALPO0349	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/94-08/15/94	0	1	
ALPO0351	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/27/93-05/15/97	3	12	
ALPO0354	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/94-08/15/94	0	1	
ALPO0357	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/21/94-11/21/94	0	1	
ALPO0359	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/28/93-05/23/94	0	2	
ALPO0351	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	05/15/97-05/15/97	0	1	
ALPO0351	No	01147	SELENIUM, TOTAL (UG/L AS SE)	11/05/79-11/05/79	0	1	
ALPO0007	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/14/79-08/14/79	0	1	
ALPO0199	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/20/80-08/20/80	0	1	
ALPO0262	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/06/79-08/06/79	0	1	
ALPO0282	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/18/80-08/18/80	0	1	
ALPO0356	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/09/79-08/09/79	0	1	
ALPO0359	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/23/80-08/23/80	0	1	
ALPO0007	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/14/79-08/14/79	0	1	
ALPO0199	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/20/80-08/20/80	0	1	
ALPO0262	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/06/79-08/06/79	0	1	
ALPO0282	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/18/80-08/18/80	0	1	
ALPO0356	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/09/79-08/09/79	0	1	
ALPO0359	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/23/80-08/23/80	0	1	
ALPO0259	No	01330	ODOR, ATMOSPHERIC (SEVERITY)	09/11/73-03/14/74	0	3	
ALPO0334	No	01330	ODOR, ATMOSPHERIC (SEVERITY)	09/11/73-05/06/86	12	104	
ALPO0348	No	01330	ODOR, ATMOSPHERIC (SEVERITY)	09/11/73-05/06/86	12	107	
ALPO0026	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	06/03/70-06/03/70	0	1	
ALPO0027	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	06/03/70-06/03/70	0	1	
ALPO0259	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	09/26/72-03/14/74	1	9	
ALPO0326	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	09/15/67-09/15/67	0	1	
ALPO0334	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	03/31/50-09/18/74	24	88	
ALPO0348	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	03/31/50-09/18/74	24	89	
ALPO0350	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	10/07/26-11/10/71	45	7	
ALPO0351	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	10/12/59-10/16/59	0	3	
ALPO0334	No	01501	ALPHA, TOTAL	06/17/64-12/03/70	6	26	
ALPO0348	No	01501	ALPHA, TOTAL	06/17/64-12/03/70	6	27	
ALPO0334	No	03501	BETA, TOTAL	06/17/64-12/03/70	6	26	
ALPO0348	No	03501	BETA, TOTAL	06/17/64-12/03/70	6	27	
ALPO0318	No	22703	URANIUM, NATURAL, DISSOLVED	07/15/77-07/15/77	0	1	
ALPO0351	No	22703	URANIUM, NATURAL, DISSOLVED	05/15/97-05/15/97	0	1	
ALPO0009	Yes	30208	FLOW (CUBIC METERS / SEC) CMS	05/15/96-03/07/97	0	2	
ALPO0013	Yes	30208	FLOW (CUBIC METERS / SEC) CMS	05/23/96-06/25/97	1	3	
ALPO0019	Yes	30208	FLOW (CUBIC METERS / SEC) CMS	05/23/96-06/25/97	1	3	
ALPO0020	Yes	30208	FLOW (CUBIC METERS / SEC) CMS	03/07/97-06/25/97	0	2	
ALPO0023	Yes	30208	FLOW (CUBIC METERS / SEC) CMS	03/07/97-03/07/97	0	1	
ALPO0028	Yes	30208	FLOW (CUBIC METERS / SEC) CMS	05/23/96-05/23/96	0	1	
ALPO0001	No	30344	PENTACHLORODIBENZO-P-DIOXIN,12378,FISH,WET WT,PG/G	09/23/87-09/23/87	0	2	
ALPO0001	No	30345	HEXACHLORODIBENZO-P-DIOXIN,123478,FISH,WET WT,PG/G	09/23/87-09/23/87	0	2	
ALPO0001	No	30346	HEXACHLORODIBENZO-P-DIOXIN,123678,FISH,WET WT,PG/G	09/23/87-09/23/87	0	2	
ALPO0001	No	30347	HEXACHLORODIBENZO-P-DIOXIN,123789,FISH,WET WT,PG/G	09/23/87-09/23/87	0	2	
ALPO0001	No	30348	HEPTACHLORODIBENZO-P-DIOXIN,1234678,TIS,WETWT,PG/G	09/23/87-09/23/87	0	2	
ALPO0001	No	30349	TETRACHLORODIBENZOFURAN, 2378- , FISH,WET WT.,PG/G	09/23/87-09/23/87	0	2	
ALPO0001	No	30350	PENTACHLORODIBENZOFURAN,12378- , FISH,WET WT.,PG/G	09/23/87-09/23/87	0	2	
ALPO0001	No	30351	PENTACHLORODIBENZOFURAN,23478- , FISH,WET WT.,PG/G	09/23/87-09/23/87	0	2	
ALPO0001	No	30352	HEXACHLORODIBENZOFURAN,123478- , FISH,WET WT.,PG/G	09/23/87-09/23/87	0	2	
ALPO0001	No	30353	HEXACHLORODIBENZOFURAN,123678- , FISH,WET WT.,PG/G	09/23/87-09/23/87	0	2	
ALPO0001	No	30354	HEXACHLORODIBENZOFURAN,123789- , FISH,WET WT.,PG/G	09/23/87-09/23/87	0	2	
ALPO0001	No	30355	HEXACHLORODIBENZOFURAN,234678- , FISH,WET WT.,PG/G	09/23/87-09/23/87	0	2	
ALPO0001	No	30356	HEPTACHLORODIBENZOFURAN,1234678- ,FISH,WET WT,PG/G	09/23/87-09/23/87	0	2	
ALPO0001	No	30357	HEPTACHLORODIBENZOFURAN,1234789- ,FISH,WET WT,PG/G	09/23/87-09/23/87	0	2	
ALPO0334	No	31507	COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508)	06/28/62-03/12/71	8	33	
ALPO0348	No	31507	COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508)	06/28/62-03/12/71	8	32	
ALPO0239	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	08/31/93-08/31/93	0	1	
ALPO0334	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	11	206	A
ALPO0348	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	10	294	A
ALPO0350	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/10/71-11/10/71	0	1	
ALPO0334	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/18/76-01/07/88	11	125	
ALPO0346	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/25/80-04/28/81	0	5	
ALPO0348	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/05/76-01/07/88	12	122	
ALPO0352	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	12/30/80-04/28/81	0	3	
ALPO0358	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/25/80-04/28/81	0	6	
ALPO0001	No	34395	HEXACHLOROBUTADIENE WET WGTTISMG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	09/23/87-09/23/87	0	1	
ALPO0167	No	34664	PCB - 1221 WET WGTTISMG/KG	10/20/94-10/20/94	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0167	No	34667	PCB - 1232 WET WGTTISMG/KG	10/20/94-10/20/94	0	1	
ALPO0167	No	34669	PCB - 1248 WET WGTTISMG/KG	10/20/94-10/20/94	0	1	
ALPO0167	No	34670	PCB - 1260 WET WGTTISMG/KG	10/20/94-10/20/94	0	1	
ALPO0167	No	34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	10/20/94-10/20/94	0	2	
ALPO0001	No	34685	ENDRIN WET WGTTISMG/KG	09/23/87-09/23/87	0	1	
ALPO0167	No	34685	ENDRIN WET WGTTISMG/KG	10/20/94-10/20/94	0	2	
ALPO0001	No	34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	09/23/87-09/23/87	0	1	
ALPO0167	No	34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	10/20/94-10/20/94	0	2	
ALPO0001	No	34687	HEPTACHLOR WET WGTTISMG/KG	09/23/87-09/23/87	0	1	
ALPO0167	No	34687	HEPTACHLOR WET WGTTISMG/KG	10/20/94-10/20/94	0	2	
ALPO0001	No	34688	HEXACHLOROBENZENE WET WGTTISMG/KG	09/23/87-09/23/87	0	1	
ALPO0167	No	34689	PCB - 1242 WET WGTTISMG/KG	10/20/94-10/20/94	0	1	
ALPO0167	No	34690	PCB - 1254 WET WGTTISMG/KG	10/20/94-10/20/94	0	1	
ALPO0001	No	34754	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN TISWETWTPG/G	09/23/87-09/23/87	0	2	
ALPO0003	No	34790	SURFACTANTS, AS CTAS, WATER MG/L	09/22/92-09/22/92	0	1	
ALPO0351	No	34790	SURFACTANTS, AS CTAS, WATER MG/L	10/09/96-10/09/96	0	1	
ALPO0003	No	34795	ANTIMONY,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34795	ANTIMONY,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34800	ARSENIC,SED,BOT,WET SIEVE,	09/22/92-09/22/92	0	1	
ALPO0351	No	34800	ARSENIC,SED,BOT,WET SIEVE,	10/09/96-10/09/96	0	1	
ALPO0351	No	34805	BARIUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34810	BERYLLIUM,SED,BOT,WET SIEVE,	09/22/92-09/22/92	0	1	
ALPO0351	No	34810	BERYLLIUM,SED,BOT,WET SIEVE,	10/09/96-10/09/96	0	1	
ALPO0003	No	34816	BISMUTH,SED,BOT,WET SIEVE,	09/22/92-09/22/92	0	1	
ALPO0351	No	34816	BISMUTH,SED,BOT,WET SIEVE,	10/09/96-10/09/96	0	1	
ALPO0003	No	34825	CADMIUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34825	CADMIUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34830	CALCIUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34830	CALCIUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34835	CERIUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34835	CERIUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34840	CHROMIUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34840	CHROMIUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34845	COBALT,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34845	COBALT,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34850	COPPER,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34850	COPPER,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34855	EUROPIUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34855	EUROPIUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34860	GALLIUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34860	GALLIUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34870	GOLD,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34870	GOLD,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34875	HOLMIUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34875	HOLMIUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34880	IRON,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34880	IRON,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34885	LANTHANUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34885	LANTHANUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34890	LEAD,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34890	LEAD,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34895	LITHIUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34895	LITHIUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34900	MAGNESIUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34900	MAGNESIUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34905	MANGANESE,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34905	MANGANESE,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34910	MERCURY,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34910	MERCURY,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34915	MOLYBDENUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34915	MOLYBDENUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34920	NEODYMIUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34920	NEODYMIUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34925	NICKEL,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34925	NICKEL,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34930	NIOBIUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34930	NIOBIUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34935	PHOSPHORUS,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34935	PHOSPHORUS,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34940	POTASSIUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34940	POTASSIUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34945	SCANDIUM,SED,BOT,	09/22/92-09/22/92	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0351	No	34945	SCANDIUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34950	SELENIUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34950	SELENIUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34955	SILVER,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34955	SILVER,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34960	SODIUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34960	SODIUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34965	STRONTIUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34965	STRONTIUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34970	SULFUR,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0003	No	34975	TANTALUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34975	TANTALUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	34980	THORIUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0003	No	34985	TIN,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	34985	TIN,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	35000	URANIUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0003	No	35005	VANADIUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	35005	VANADIUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	35010	YTTRIUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	35010	YTTRIUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	35015	YTTERBIUM,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	35015	YTTERBIUM,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0003	No	35020	ZINC,SED,BOT,	09/22/92-09/22/92	0	1	
ALPO0351	No	35020	ZINC,SED,BOT,	10/09/96-10/09/96	0	1	
ALPO0348	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	07/08/70-07/08/70	0	1	
ALPO0001	No	38824	ISOPROPALIN TISWETWGTMG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	09/23/87-09/23/87	0	1	
ALPO0167	No	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	10/20/94-10/20/94	0	2	
ALPO0001	No	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	09/23/87-09/23/87	0	1	
ALPO0167	No	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	10/20/94-10/20/94	0	2	
ALPO0167	No	39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	10/20/94-10/20/94	0	2	
ALPO0167	No	39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	10/20/94-10/20/94	0	2	
ALPO0001	No	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	09/23/87-09/23/87	0	1	
ALPO0167	No	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	10/20/94-10/20/94	0	2	
ALPO0351	No	39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	04/23/96-05/15/97	1	14	
ALPO0167	No	39105	PERCENT FAT HEXANE EXTRACTION	10/20/94-10/20/94	0	2	
ALPO0167	No	39302	P P DDT IN TISSUE WET WGT (UG/G)	10/20/94-10/20/94	0	2	
ALPO0167	No	39307	O P DDT IN TISSUE WET WGT (UG/G)	10/20/94-10/20/94	0	2	
ALPO0167	No	39312	P P DDD IN TISSUE WET WGT (UG/G)	10/20/94-10/20/94	0	2	
ALPO0001	No	39319	MONOCHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	09/23/87-09/23/87	0	1	
ALPO0167	No	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	10/20/94-10/20/94	0	2	
ALPO0167	No	39325	O,P DDD IN TISSUE WET WGT (UG/G)	10/20/94-10/20/94	0	2	
ALPO0167	No	39329	O,P DDE IN TISSUE, WET WGT(UG/G)	10/20/94-10/20/94	0	2	
ALPO0001	No	39335	DICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	39339	TRICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	39345	TETRACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	39347	PENTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	39354	HEPTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	39355	OCTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	09/23/87-09/23/87	0	1	
ALPO0167	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	10/20/94-10/20/94	0	2	
ALPO0001	No	39408	NONACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	39409	DECACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	0	1	
ALPO0167	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	10/20/94-10/20/94	0	1	
ALPO0001	No	39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	09/23/87-09/23/87	0	1	
ALPO0167	No	39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	10/20/94-10/20/94	0	2	
ALPO0259	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	03/06/73-03/14/74	1	4	
ALPO0334	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	03/06/73-05/06/86	13	115	
ALPO0348	No	46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)	03/06/73-05/06/86	13	120	
ALPO0334	No	46002	PHENOLS,DIRECT PHOTOMETRIC,NO DISTILLATION (UG/L)	10/28/76-10/28/76	0	1	
ALPO0001	No	46333	PENTACHLORONITROBENZENE (PCNB) IN TISSUE WET MG/KG	09/23/87-09/23/87	0	1	
ALPO0167	No	46471	CHLORDENE, WET WEIGHT, FISH TISSUE MG/KG	10/20/94-10/20/94	0	2	
ALPO0003	No	49237	ALUMINUM, DRY WEIGHT, TISSUE/BIOTA,RECV UG/G	09/22/92-09/22/92	0	2	
ALPO0003	No	49238	BARIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	0	2	
ALPO0003	No	49239	BORON, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	0	2	
ALPO0003	No	49240	CHROMIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	0	2	
ALPO0003	No	49241	COPPER, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	0	2	
ALPO0003	No	49242	IRON, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	0	2	
ALPO0003	No	49243	MANGANESE, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	0	2	
ALPO0003	No	49244	STRONTIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	0	2	
ALPO0003	No	49245	ZINC, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0003	No	49246	ANTIMONY, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	0	2	
ALPO0003	No	49247	ARSENIC, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	0	2	
ALPO0003	No	49248	BERYLLIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	0	2	
ALPO0003	No	49249	CADMIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	0	2	
ALPO0003	No	49250	COBALT, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	0	2	
ALPO0003	No	49251	LEAD, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	0	2	
ALPO0003	No	49252	MOLYBDENUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	0	2	
ALPO0003	No	49253	NICKEL, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	0	2	
ALPO0003	No	49254	SELENIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	0	2	
ALPO0003	No	49255	SILVER, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	0	2	
ALPO0003	No	49257	URANIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	0	2	
ALPO0003	No	49258	MERCURY, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	0	2	
ALPO0003	No	49261	ALPHA-BHC,D6, WET WT.,TISSUE,WHOLE ORG,RECV %	09/22/92-09/22/92	0	2	
ALPO0003	No	49264	BIPHENYL,3,5-DICHLORO-,WET WT,TISS,WHL ORG,RECV %	09/22/92-09/22/92	0	2	
ALPO0003	No	49266	CARBON,ORGANIC,DRY WEIGHT,SEDIMENT,RECV,SIEVE	09/22/92-09/22/92	0	1	
ALPO0003	No	49267	CARBON,ORGANIC+INORGANIC,DRYWT,RECV,SIEVE	09/22/92-09/22/92	0	1	
ALPO0003	No	49269	CARBON,INORGANIC, DRY WT, SEDIMENT,RECV,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49270	CARBON,INORGANIC, DRY WT,SEDIMENT,RECV,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49271	CARBON,ORGANIC,DRY WT,SEDIMENT,RECV,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49272	CARBON,ORGANIC+INORGANIC,DRYWT,RECV,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49273	WATER PRESENT,DRY WT,TISSUE/BIOTA,LIVER,RECV UG/G	09/22/92-09/22/92	0	2	
ALPO0003	No	49274	TITANIUM, DRY WT, SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49274	TITANIUM, DRY WT, SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49275	ALPHA-BHC,D6, DRY WT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49275	ALPHA-BHC,D6, DRY WT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49276	OCTACHLOROBIPHENYL,DRY WT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49276	OCTACHLOROBIPHENYL,DRY WT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49277	BIPHENYL,3,5-DICHLORO-,DRY WT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49277	BIPHENYL,3,5-DICHLORO-,DRY WT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49278	TERPHENYL,D14-,DRY WT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49279	BIPHENYL, 2-FLUORO,DRY WT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49280	BENZENE,NITRO-,D5,DRY WT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49289	LIPIDS, WET WEIGHT, TISSUE, WHOLE ORGANISM,RECV %	09/22/92-09/22/92	0	2	
ALPO0003	No	49316	NONACHLOR,CIS-,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49316	NONACHLOR,CIS-,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49317	NONACHLOR,TRANS-,DRY WT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49317	NONACHLOR,TRANS-,DRY WT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49318	OXYCHLORDANE,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49318	OXYCHLORDANE,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49319	ALDRIN,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49319	ALDRIN,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49320	CHLORDANE, CIS-,DRY WT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49320	CHLORDANE, CIS-,DRY WT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49321	CHLORDANE,TRANS-,DRY WT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49321	CHLORDANE,TRANS-,DRY WT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49322	CHLORONEB,DRY WT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49322	CHLORONEB,DRY WT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49324	DCPA,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49324	DCPA,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49325	DDD,O,P'-,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49325	DDD,O,P'-,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49326	DDD,P,P'-,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49326	DDD,P,P'-,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49327	DDE,O,P'-,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49327	DDE,O,P'-,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49328	DDE,P,P'-,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49328	DDE,P,P'-,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49329	DDT,O,P'-,DRY WT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49329	DDT,O,P'-,DRY WT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49330	DDT,P,P'-,DRY WT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49330	DDT,P,P'-,DRY WT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49331	DIELDRIN,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49331	DIELDRIN,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49332	ENDOSULFAN I,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49332	ENDOSULFAN I,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49335	ENDRIN,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49335	ENDRIN,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49338	ALPHA-BHC,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49338	ALPHA-BHC,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49339	BETA-BHC,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49339	BETA-BHC,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49341	HEPTACHLOR,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0351	No	49341	HEPTACHLOR,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49342	HEPTACHLOR EPOXIDE,DRY WT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49342	HEPTACHLOR EPOXIDE,DRY WT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49343	HEXACHLOROBENZENE,DRY WT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49343	HEXACHLOROBENZENE,DRY WT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49344	ISODRIN,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49344	ISODRIN,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49345	LINDANE,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49345	LINDANE,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49346	METHOXYCHLOR,P,P'-,DRY WT,SED,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49346	METHOXYCHLOR,P,P'-,DRY WT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49347	METHOXYCHLOR,O,P'-,DRY WT,SED,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49347	METHOXYCHLOR,O,P'-,DRY WT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49348	MIREX,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49348	MIREX,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49349	PERMETHRIN,CIS-,DRY WT,SED,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49349	PERMETHRIN,CIS-,DRY WT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49350	PERMETHRIN,TRANS-,DRY WT,SED,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49350	PERMETHRIN,TRANS-,DRY WT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49351	TOXAPHENE,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49351	TOXAPHENE,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49353	ALDRIN,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49354	PCB, WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49355	TOXAPHENE, WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49356	PENTACHLOROANISOLE,WET WT,TISS,WHOLE ORG,RECVUG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49357	OXYCHLORDANE,WET WT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49358	NONACHLOR,TRANS-,WET WT,TISS,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49359	NONACHLOR,CIS-,WET WT,TISS,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49360	MIREX,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49361	METHOXYCHLOR,P,P'-,WET WT,TISS,WHOLE ORG,RECVUG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49362	METHOXYCHLOR,O,P'-,WET WT,TISS,WHOLE ORG,RECVUG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49363	LINDANE,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49364	DELTA-BHC,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49365	BETA-BHC,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49366	ALPHA-BHC,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49367	HEXACHLOROBENZENE,WET WT,TISS,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49368	HEPTACHLOR EPOXIDE,WET WT,TISS,WHOLE ORG,RECVUG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49369	HEPTACHLOR,WET WT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49370	ENDRIN,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49371	DIELDRIN,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49372	DDE,P,P',WET WT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49373	DDE,O,P'-,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49374	DDD,O,P'-,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49375	DDD,P,P'-,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49376	DDT,P,P',WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49377	DDT,O,P',WET WT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49378	DCPA,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49379	CHLORDANE,TRANS-,WET WT,TISS,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49380	CHLORDANE,CIS-,WET WEIGHT,TISS,WHOLE ORG,RECVUG/KG	09/22/92-09/22/92	0	2	
ALPO0003	No	49381	DIBUTYLPHTHALATE,DRY WEIGHT,SED,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49381	DIBUTYLPHTHALATE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49382	DIOCTYLPHTHALATE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49383	DIETHYLPHTHALATE,DRY WEIGHT,SED,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49383	DIETHYLPHTHALATE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49384	DIMETHYLPHTHALATE,DRY WEIGHT,SED,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49384	DIMETHYLPHTHALATE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49387	PYRENE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49388	METHYLPYRENE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49389	METHYLBENZO(A)PYRENE,DRY WT,SED,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49389	METHYLBENZO(A)PYRENE,DRY WT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49390	METHYLINDENO(1,2,3-CD)PYRENE,DRY WT,SEV	10/09/96-10/09/96	0	1	
ALPO0351	No	49391	BIQUINOLINE,2,2'-,DRY WT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49392	QUINOLINE,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49393	PHENANTHRIDINE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49394	ISOQUINOLINE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49395	TOLUENE, 2,4-DINITRO-,DRY WEIGHT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49395	TOLUENE, 2,4-DINITRO-,DRY WEIGHT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49396	TOLUENE, 2,6-DINITRO-,DRY WEIGHT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49396	TOLUENE, 2,6-DINITRO-,DRY WEIGHT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49397	BENZO(K)FLUORANTHENE,DRY WEIGHT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49397	BENZO(K)FLUORANTHENE,DRY WEIGHT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49398	METHYL-9H-FLUORENE,DRY WEIGHT,SIEVE	10/09/96-10/09/96	0	1	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0003	No	49399	FLUORENE,9H-,DRY WEIGHT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49399	FLUORENE,9H-,DRY WEIGHT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49400	ISOPHORONE,DRY WEIGHT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49401	METHANE, BIS(2-CHLOROETHOXY),DRY WT,SEV	09/22/92-09/22/92	0	1	
ALPO0351	No	49401	METHANE, BIS(2-CHLOROETHOXY),DRY WT,SEV	10/09/96-10/09/96	0	1	
ALPO0351	No	49402	NAPHTHALENE, DRY WEIGHT, SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49403	NAPHTHALENE, 1,2-DIMETHYL-,DRY WT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49404	NAPHTHALENE, 1,6-DIMETHYL-,DRY WT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49405	NAPHTHALENE, 2,3,6-TRIMETHYL-,DRY WT,SEV	10/09/96-10/09/96	0	1	
ALPO0351	No	49406	NAPHTHALENE, 2,6-DIMETHYL-,DRY WT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49407	NAPHTHALENE, 2-CHLORO-,DRY WT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49407	NAPHTHALENE, 2-CHLORO-,DRY WT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49408	BENZO(G,H,I)PERYLENE,DRY WEIGHT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49408	BENZO(G,H,I)PERYLENE,DRY WEIGHT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49409	PHENANTHRENE,DRY WEIGHT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49410	METHYLPHENANTHRENE,DRY WT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49411	CYCLOPENTA(DEF)PHENANTHRENE, 4H-,DRY WT,SEV	10/09/96-10/09/96	0	1	
ALPO0351	No	49413	PHENOL,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49421	XYLENOL, 3,5-,DRY WEIGHT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49422	M-CRESOL, 4-CHLORO-,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49424	PHENOL, C8-ALKYL-,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49426	PHTHALATE, BIS(2-ETHYLHEXYL)-,DRY WT,SEV	09/22/92-09/22/92	0	1	
ALPO0351	No	49426	PHTHALATE, BIS(2-ETHYLHEXYL)-,DRY WT,SEV	10/09/96-10/09/96	0	1	
ALPO0003	No	49427	PHTHALATE, BUTYL BENZYL, DRY WT,SED,SEV	09/22/92-09/22/92	0	1	
ALPO0351	No	49427	PHTHALATE, BUTYL BENZYL, DRY WT,SED,SEV	10/09/96-10/09/96	0	1	
ALPO0003	No	49428	ACENAPHTHYLENE,DRY WEIGHT,SED,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49428	ACENAPHTHYLENE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49429	ACENAPHTHENE,DRY WEIGHT,SED,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49429	ACENAPHTHENE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49430	ACRIDINE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49431	N-NITROSO-DIPROPYLAMINE,DRY WT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49433	N-NITROSO-DIPHENYLAMINE,DRY WT,SED,SEV	10/09/96-10/09/96	0	1	
ALPO0003	No	49434	ANTHRACENE,DRY WEIGHT,SED,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49434	ANTHRACENE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49435	ANTHRACENE, 2-METHYL-,DRY WEIGHT,SED,SEV	10/09/96-10/09/96	0	1	
ALPO0003	No	49436	BENZ(A)ANTHRACENE,DRY WEIGHT,SED,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49436	BENZ(A)ANTHRACENE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49437	ANTHRAQUINONE, 9, 10-,DRY WT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49438	BENZENE, 1,2,4-TRICHLORO-,DRY WT,SED,SEV	09/22/92-09/22/92	0	1	
ALPO0351	No	49438	BENZENE, 1,2,4-TRICHLORO-,DRY WT,SED,SEV	10/09/96-10/09/96	0	1	
ALPO0003	No	49439	BENZENE, O-DICHLORO-,SED,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49439	BENZENE, O-DICHLORO-,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49441	BENZENE, M-DICHLORO-,DRY WT,SED,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49441	BENZENE, M-DICHLORO-,DRY WT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49442	BENZENE, P-DICHLORO-,DRY WT,SED,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49442	BENZENE, P-DICHLORO-,DRY WT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49443	AZOBENZENE,DRY WT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49444	BENZENE, NITRO-,DRY WT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49446	BENZENE,PENTACHLORONITRO-,DRY WT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49446	BENZENE,PENTACHLORONITRO-,DRY WT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49449	CARBAZOLE,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49450	CHRYSENE,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49450	CHRYSENE,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49451	P-CRESOL,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0351	No	49452	DIBENZOTHIOPHENE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49454	BROMOPHENYL, 4-PHENYL ETHER,SED,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49454	BROMOPHENYL, 4-PHENYL ETHER,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49455	CHLOROPHENYL,4-PHENYL ETHER,SED,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49455	CHLOROPHENYL,4-PHENYL ETHER,SED,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49458	BENZO(B)FLUORANTHENE,DRY WT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49458	BENZO(B)FLUORANTHENE,DRY WT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49459	PCB,DRY WEIGHT,BED MATERIAL,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49459	PCB,DRY WEIGHT,BED MATERIAL,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49460	PENTACHLOROANISOLE,DRY WT,BED MAT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49460	PENTACHLOROANISOLE,DRY WT,BED MAT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49461	DIBENZ(A,H)ANTHRACENE,DRY WT,SIEVE	09/22/92-09/22/92	0	1	
ALPO0351	No	49461	DIBENZ(A,H)ANTHRACENE,DRY WT,SIEVE	10/09/96-10/09/96	0	1	
ALPO0003	No	49465	VANADIUM,BIOTA,TISSUE,LIVER,DRY WEIGHT,RECV UG/G	09/22/92-09/22/92	0	2	
ALPO0351	No	49466	FLUORANTHENE,SED,BED MAT,WET SIEV	10/09/96-10/09/96	0	1	
ALPO0351	No	49467	PHENOL, O-CHLORO,SED,BED MAT,WETSEV	10/09/96-10/09/96	0	1	
ALPO0351	No	49468	BENZO(C)CINNOLINE,SED,BED MAT,WETSEV	10/09/96-10/09/96	0	1	
ALPO0351	No	49490	VISUAL OBSERVATION, SUSPENDED, WATER CODE	10/09/96-10/09/96	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0026	No	50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	06/03/70-06/03/70	0	1	
ALPO0027	No	50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	06/03/70-06/03/70	0	1	
ALPO0318	No	50700	FLUORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	07/15/77-07/15/77	0	1	
ALPO0318	No	50760	CHLORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	07/15/77-07/15/77	0	1	
ALPO0031	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/13/94-06/13/94	0	1	
ALPO0032	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/13/94-06/13/94	0	1	
ALPO0033	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/13/94-06/13/94	0	1	
ALPO0035	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/01/94-08/01/94	0	1	
ALPO0037	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/13/94-06/13/94	0	1	
ALPO0038	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/94-06/14/94	0	1	
ALPO0039	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/02/92-06/02/93	1	5	
ALPO0040	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/03/93-04/03/96	2	4	
ALPO0041	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/02/92-06/02/93	1	6	
ALPO0042	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/03/93-04/03/96	2	4	
ALPO0043	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/13/94-06/13/94	0	1	
ALPO0044	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/03/93-06/13/94	0	2	
ALPO0045	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/01/94-04/03/96	1	2	
ALPO0046	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	04/03/96-04/03/96	0	1	
ALPO0047	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/09/92-06/02/93	0	5	
ALPO0048	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/13/94-06/13/94	0	1	
ALPO0049	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/13/94-06/13/94	0	1	
ALPO0051	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/06/92-10/15/92	0	2	
ALPO0052	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/94-06/14/94	0	1	
ALPO0053	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/94-06/14/94	0	1	
ALPO0055	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/10/92-06/10/92	0	1	
ALPO0058	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/94-04/04/96	1	2	
ALPO0059	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/27/92-04/04/96	3	5	
ALPO0062	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/94-04/04/96	1	3	
ALPO0066	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/02/92-06/03/93	1	6	
ALPO0067	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	03/06/93-03/06/93	0	1	
ALPO0068	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/02/92-06/03/93	1	6	
ALPO0069	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	03/06/93-03/06/93	0	1	
ALPO0070	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/02/92-11/06/93	1	3	
ALPO0071	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/02/92-06/03/93	1	5	
ALPO0072	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/02/92-06/03/93	1	5	
ALPO0073	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-06/07/93	0	1	
ALPO0074	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-06/07/93	0	1	
ALPO0075	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/09/92-06/03/93	0	4	
ALPO0077	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-06/07/93	0	1	
ALPO0078	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/09/92-06/09/92	0	1	
ALPO0080	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/09/92-06/09/92	0	1	
ALPO0081	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/08/94-04/04/95	0	4	
ALPO0082	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/08/93-06/08/93	0	1	
ALPO0083	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	09/22/94-09/22/94	0	1	
ALPO0084	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/08/93-06/08/93	0	1	
ALPO0085	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-06/07/93	0	1	
ALPO0086	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-06/14/93	0	1	
ALPO0087	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-06/07/93	0	1	
ALPO0088	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-06/07/93	0	1	
ALPO0089	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-06/14/93	0	1	
ALPO0090	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-06/14/93	0	1	
ALPO0091	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/20/93-02/01/95	1	4	
ALPO0092	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-06/14/93	0	1	
ALPO0093	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/20/93-02/01/95	1	4	
ALPO0094	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/08/93-06/08/93	0	1	
ALPO0095	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/27/92-07/27/92	0	1	
ALPO0096	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/27/92-07/27/92	0	1	
ALPO0097	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-06/01/94	0	2	
ALPO0098	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/09/93-02/01/95	1	2	
ALPO0099	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/30/93-06/30/93	0	1	
ALPO0100	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/30/93-12/08/94	1	3	
ALPO0101	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/13/93-04/06/95	1	4	
ALPO0102	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/30/93-06/30/93	0	1	
ALPO0103	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-11/29/94	1	3	
ALPO0104	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/01/94-03/14/95	0	3	
ALPO0105	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/30/93-06/30/93	0	1	
ALPO0106	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/01/94-10/13/94	0	2	
ALPO0107	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/01/94-10/13/94	0	2	
ALPO0108	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/30/93-06/30/93	0	1	
ALPO0109	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/30/93-06/30/93	0	1	
ALPO0110	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/01/93-03/14/95	1	4	
ALPO0111	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/01/94-12/08/94	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0112	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/30/93-06/30/93	0	1	
ALPO0113	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	05/31/94-05/31/94	0	1	
ALPO0114	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/30/93-06/30/93	0	1	
ALPO0115	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/03/93-06/03/93	0	1	
ALPO0116	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/01/94-06/01/94	0	1	
ALPO0117	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/06/93-07/06/93	0	1	
ALPO0118	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/01/94-03/14/95	0	3	
ALPO0119	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/06/93-07/06/93	0	1	
ALPO0120	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/03/93-11/29/94	1	2	
ALPO0121	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/03/93-06/03/93	0	1	
ALPO0122	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/06/93-06/01/94	0	2	
ALPO0123	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/03/93-06/03/93	0	1	
ALPO0124	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-06/06/94	0	2	
ALPO0125	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/02/93-04/06/95	1	4	
ALPO0126	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/02/93-06/01/94	0	2	
ALPO0127	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/29/93-06/29/93	0	1	
ALPO0128	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/02/93-06/01/94	0	2	
ALPO0129	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/29/93-03/07/95	1	4	
ALPO0131	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/09/93-06/09/93	0	1	
ALPO0132	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/30/93-03/07/95	1	4	
ALPO0133	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/29/93-03/07/95	1	4	
ALPO0134	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/27/94-04/04/95	0	3	
ALPO0135	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-10/13/94	1	4	
ALPO0136	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/06/94-06/06/94	0	1	
ALPO0137	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-10/13/94	1	4	
ALPO0138	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-06/07/93	0	1	
ALPO0139	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/29/93-06/29/93	0	1	
ALPO0140	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/29/93-06/29/93	0	1	
ALPO0141	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/29/93-06/29/93	0	1	
ALPO0142	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/05/92-04/06/95	2	8	
ALPO0143	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/30/92-11/30/92	0	1	
ALPO0144	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/30/92-11/30/92	0	1	
ALPO0145	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/16/94-04/06/95	0	2	
ALPO0146	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-10/13/94	1	4	
ALPO0147	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-06/14/93	0	1	
ALPO0148	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-06/14/93	0	1	
ALPO0149	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-04/06/95	1	3	
ALPO0150	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-06/14/93	0	1	
ALPO0151	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/27/94-12/15/94	0	2	
ALPO0152	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/28/92-05/31/94	1	6	
ALPO0153	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	01/28/93-05/31/94	1	4	
ALPO0154	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/29/93-06/29/93	0	1	
ALPO0155	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	12/22/92-11/06/93	0	4	
ALPO0156	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/29/93-06/29/93	0	1	
ALPO0157	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-03/16/95	1	4	
ALPO0158	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-06/14/93	0	1	
ALPO0159	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-06/14/93	0	1	
ALPO0160	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/18/93-03/07/95	1	4	
ALPO0161	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/18/93-03/13/95	1	4	
ALPO0162	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/18/93-03/13/95	1	4	
ALPO0164	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/01/94-08/01/94	0	1	
ALPO0166	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/01/94-08/01/94	0	1	
ALPO0168	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/29/93-06/29/93	0	1	
ALPO0169	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/27/93-07/27/93	0	1	
ALPO0170	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/28/93-05/25/94	0	2	
ALPO0171	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/28/93-05/23/95	1	4	
ALPO0172	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/28/93-05/25/94	0	2	
ALPO0173	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/93-10/19/94	1	3	
ALPO0174	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/93-12/15/94	1	3	
ALPO0175	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/01/94-08/01/94	0	1	
ALPO0176	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/93-05/16/95	1	4	
ALPO0179	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/12/93-07/12/93	0	1	
ALPO0180	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/05/93-08/05/93	0	1	
ALPO0181	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/12/93-06/06/94	0	2	
ALPO0182	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/12/93-06/06/94	0	2	
ALPO0183	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/12/93-06/05/94	0	2	
ALPO0184	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/12/93-08/12/93	0	1	
ALPO0185	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/12/93-08/12/93	0	1	
ALPO0186	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/94-04/11/95	0	2	
ALPO0187	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/12/93-08/12/93	0	1	
ALPO0188	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/12/93-08/12/93	0	1	
ALPO0189	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/15/93-06/05/94	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0190	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/24/93-06/13/95	1	3	
ALPO0191	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/24/93-06/24/93	0	1	
ALPO0192	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/22/93-03/15/95	1	3	
ALPO0193	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/22/93-06/08/94	0	2	
ALPO0194	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/29/93-06/29/93	0	1	
ALPO0195	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-06/14/93	0	1	
ALPO0196	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/93-10/03/94	1	3	
ALPO0197	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	05/25/94-05/25/94	0	1	
ALPO0198	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/04/93-09/29/94	1	3	
ALPO0200	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	05/25/94-05/25/94	0	1	
ALPO0201	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/04/93-09/29/94	1	3	
ALPO0202	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	12/21/93-12/21/93	0	1	
ALPO0204	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	05/25/94-05/25/94	0	1	
ALPO0205	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/24/93-06/24/93	0	1	
ALPO0206	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/15/93-06/15/93	0	1	
ALPO0207	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/05/93-08/05/93	0	1	
ALPO0208	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/15/93-06/15/93	0	1	
ALPO0209	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-04/11/95	1	4	
ALPO0210	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/26/93-07/26/93	0	1	
ALPO0211	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-04/11/95	1	4	
ALPO0212	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/05/93-08/05/93	0	1	
ALPO0213	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/26/93-07/26/93	0	1	
ALPO0214	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-08/16/93	0	1	
ALPO0215	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/15/93-06/15/93	0	1	
ALPO0216	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/15/93-06/15/93	0	1	
ALPO0217	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/15/93-06/15/93	0	1	
ALPO0218	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/04/93-09/29/94	1	3	
ALPO0219	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/04/93-05/23/94	0	2	
ALPO0220	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/04/93-05/23/94	0	2	
ALPO0221	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/17/93-06/17/93	0	1	
ALPO0222	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/12/93-05/23/95	1	4	
ALPO0223	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/12/93-05/23/95	1	4	
ALPO0224	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/12/93-05/23/94	0	3	
ALPO0226	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/12/93-05/24/94	0	2	
ALPO0227	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/12/93-12/15/94	1	3	
ALPO0228	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/01/94-07/01/94	0	1	
ALPO0230	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/12/93-05/24/94	0	2	
ALPO0232	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/17/93-06/17/93	0	1	
ALPO0234	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/10/94-08/10/94	0	1	
ALPO0236	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-08/16/93	0	1	
ALPO0237	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-08/16/93	0	1	
ALPO0240	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-05/17/95	1	4	
ALPO0241	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-08/16/93	0	1	
ALPO0242	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-09/24/94	1	3	
ALPO0243	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-08/16/93	0	1	
ALPO0244	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/20/94-09/23/94	0	2	
ALPO0245	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/20/94-06/20/94	0	1	
ALPO0246	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/26/94-10/05/94	0	3	
ALPO0247	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/20/94-06/20/94	0	1	
ALPO0248	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	12/21/93-06/09/94	0	2	
ALPO0249	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-08/16/93	0	1	
ALPO0250	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	12/21/93-12/21/93	0	1	
ALPO0251	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	12/21/93-06/09/94	0	2	
ALPO0252	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	12/21/93-12/21/93	0	1	
ALPO0253	Yes	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-08/16/93	0	1	
ALPO0255	Yes	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-08/16/93	0	1	
ALPO0256	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/26/94-05/18/95	0	4	
ALPO0257	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/26/94-05/18/95	0	4	
ALPO0258	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/26/94-05/18/95	0	4	
ALPO0260	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/26/93-07/26/93	0	1	
ALPO0261	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/26/94-05/18/95	0	3	
ALPO0263	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-08/16/93	0	1	
ALPO0264	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/26/94-10/11/94	0	3	
ALPO0265	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-11/22/94	1	3	
ALPO0268	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/02/94-11/22/94	0	2	
ALPO0271	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/02/94-11/22/94	0	2	
ALPO0272	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/25/94-08/25/94	0	1	
ALPO0273	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/02/94-08/02/94	0	1	
ALPO0274	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/25/94-08/25/94	0	1	
ALPO0276	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/03/94-11/20/94	0	2	
ALPO0277	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/26/94-05/24/95	0	3	
ALPO0279	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/26/94-12/29/94	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0280	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/29/92-07/29/92	0	1	
ALPO0284	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/10/94-08/10/94	0	1	
ALPO0285	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/29/92-10/16/93	1	5	
ALPO0286	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/27/94-03/19/95	0	3	
ALPO0287	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/29/92-10/19/93	1	5	
ALPO0288	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/94-03/19/95	0	3	
ALPO0289	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/94-03/19/95	0	2	
ALPO0290	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/29/92-07/29/92	0	1	
ALPO0291	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/09/92-11/09/92	0	1	
ALPO0292	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/94-03/19/95	0	3	
ALPO0293	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/27/94-03/19/95	0	3	
ALPO0294	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/94-03/19/95	0	3	
ALPO0295	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/94-03/19/95	0	3	
ALPO0297	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/94-03/19/95	0	3	
ALPO0298	Yes	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/94-09/20/94	0	2	
ALPO0299	Yes	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/94-09/20/94	0	2	
ALPO0300	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/94-03/19/95	0	3	
ALPO0301	Yes	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/94-05/24/95	0	3	
ALPO0302	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/03/92-08/03/92	0	1	
ALPO0303	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/09/92-11/09/92	0	1	
ALPO0304	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/94-05/24/95	0	3	
ALPO0305	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/09/92-11/09/92	0	1	
ALPO0306	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/03/92-08/03/92	0	1	
ALPO0307	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/10/94-08/10/94	0	1	
ALPO0308	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/19/94-12/06/94	0	2	
ALPO0310	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/19/94-12/06/94	0	2	
ALPO0313	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/03/92-10/16/93	1	2	
ALPO0314	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/29/92-10/16/93	1	4	
ALPO0315	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/23/92-11/23/92	0	1	
ALPO0316	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/20/94-07/20/94	0	1	
ALPO0319	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/20/94-12/06/94	0	2	
ALPO0324	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/29/92-10/16/93	1	4	
ALPO0325	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/20/94-12/01/94	0	2	
ALPO0337	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/22/94-08/22/94	0	1	
ALPO0338	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/11/94-11/16/94	0	2	
ALPO0347	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	05/28/94-05/28/94	0	1	
ALPO0355	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/11/94-06/14/95	0	3	
ALPO0360	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/25/94-08/25/94	0	1	
ALPO0361	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	10/23/93-01/25/96	2	3	
ALPO0362	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/92-01/25/96	3	7	
ALPO0363	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	10/23/93-05/05/95	1	2	
ALPO0364	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/13/93-11/14/94	1	3	
ALPO0365	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	10/23/93-09/30/95	1	4	
ALPO0366	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	09/30/92-04/20/95	2	5	
ALPO0367	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/13/93-09/30/95	2	6	
ALPO0368	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/15/94-04/12/95	0	2	
ALPO0369	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	02/05/94-01/24/96	1	5	
ALPO0370	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	02/05/94-01/24/96	1	4	
ALPO0371	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/15/94-11/15/94	0	1	
ALPO0372	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	02/05/94-01/24/96	1	6	
ALPO0373	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	02/05/94-08/29/95	1	3	
ALPO0374	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/15/93-10/01/95	2	4	
ALPO0375	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	02/05/94-01/24/96	1	6	
ALPO0376	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	02/05/94-01/24/96	1	5	
ALPO0377	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/15/93-01/25/96	2	6	
ALPO0378	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/92-12/20/94	2	4	
ALPO0379	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	09/30/92-12/20/94	2	4	
ALPO0380	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/15/93-07/15/93	0	1	
ALPO0381	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/15/93-07/15/93	0	1	
ALPO0005	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/20/66-01/16/69	2	3	
ALPO0007	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/14/79-08/13/81	1	5	
ALPO0011	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/01/80-08/13/81	1	4	
ALPO0012	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/14/79-08/13/81	1	5	
ALPO0014	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/14/79-08/13/81	1	5	
ALPO0029	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/03/70-06/03/70	0	1	
ALPO0030	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/03/70-06/03/70	0	1	
ALPO0199	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/13/79-08/14/81	2	5	
ALPO0262	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/06/79-08/11/81	2	4	
ALPO0282	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/10/79-08/14/81	2	5	
ALPO0350	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/07/26-07/08/71	44	5	
ALPO0351	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/12/59-05/15/97	37	31	S
ALPO0356	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/09/79-08/14/81	2	5	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0359	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/09/79-08/12/81	2	5	
ALPO0350	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/07/26-07/08/71	44	4	
ALPO0351	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/12/59-11/05/79	20	4	
ALPO0005	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	04/20/66-01/16/69	2	3	
ALPO0007	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/14/79-08/13/81	1	5	
ALPO0011	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	04/01/80-08/13/81	1	4	
ALPO0012	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/14/79-08/13/81	1	5	
ALPO0014	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/14/79-08/13/81	1	5	
ALPO0199	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/13/79-08/14/81	2	5	
ALPO0262	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/06/79-08/11/81	2	4	
ALPO0282	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/10/79-08/14/81	2	5	
ALPO0351	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	10/24/63-09/22/81	17	14	
ALPO0356	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/09/79-08/14/81	2	5	
ALPO0359	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/09/79-08/12/81	2	5	
ALPO0005	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/20/66-01/16/69	2	3	
ALPO0007	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/14/79-08/13/81	1	5	
ALPO0011	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/01/80-08/13/81	1	4	
ALPO0012	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/14/79-08/13/81	1	5	
ALPO0014	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/14/79-08/13/81	1	5	
ALPO0199	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/13/79-08/14/81	2	5	
ALPO0262	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/06/79-08/11/81	2	4	
ALPO0282	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/10/79-08/14/81	2	5	
ALPO0350	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/07/26-07/08/71	44	5	
ALPO0351	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/12/59-09/22/81	21	17	
ALPO0356	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/09/79-08/14/81	2	5	
ALPO0359	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/09/79-08/12/81	2	5	
ALPO0031	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/13/94-06/13/94	0	1	
ALPO0032	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/13/94-06/13/94	0	1	
ALPO0033	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/13/94-06/13/94	0	1	
ALPO0035	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/01/94-08/01/94	0	1	
ALPO0037	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/13/94-06/13/94	0	1	
ALPO0038	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/94-06/14/94	0	1	
ALPO0039	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/02/92-06/02/93	1	5	
ALPO0040	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/03/93-04/03/96	2	4	
ALPO0041	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/02/92-06/02/93	1	6	
ALPO0042	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/03/93-05/22/95	1	3	
ALPO0043	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/13/94-06/13/94	0	1	
ALPO0044	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/03/93-06/13/94	0	2	
ALPO0045	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	11/01/94-04/03/96	1	2	
ALPO0046	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	04/03/96-04/03/96	0	1	
ALPO0047	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/09/92-06/02/93	0	5	
ALPO0048	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/13/94-06/13/94	0	1	
ALPO0049	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/13/94-06/13/94	0	1	
ALPO0051	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/06/92-10/15/92	0	2	
ALPO0052	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/94-06/14/94	0	1	
ALPO0053	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/94-06/14/94	0	1	
ALPO0055	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/10/92-06/10/92	0	1	
ALPO0058	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/94-04/04/96	1	2	
ALPO0059	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/27/92-04/04/96	3	5	
ALPO0062	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/94-04/04/96	1	3	
ALPO0066	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/02/92-06/03/93	1	6	
ALPO0067	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	03/06/93-03/06/93	0	1	
ALPO0068	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/02/92-06/03/93	1	6	
ALPO0069	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	03/06/93-03/06/93	0	1	
ALPO0070	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/02/92-11/06/93	1	3	
ALPO0071	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/02/92-06/03/93	1	5	
ALPO0072	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/02/92-06/03/93	1	5	
ALPO0073	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-06/07/93	0	1	
ALPO0074	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-06/07/93	0	1	
ALPO0075	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/09/92-06/03/93	0	4	
ALPO0077	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-06/07/93	0	1	
ALPO0078	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/09/92-06/09/92	0	1	
ALPO0080	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/09/92-06/09/92	0	1	
ALPO0081	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/08/94-04/04/95	0	4	
ALPO0082	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/08/93-06/08/93	0	1	
ALPO0083	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	09/22/94-09/22/94	0	1	
ALPO0084	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/08/93-06/08/93	0	1	
ALPO0085	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-06/07/93	0	1	
ALPO0086	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-06/14/93	0	1	
ALPO0087	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-06/07/93	0	1	
ALPO0088	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-06/07/93	0	1	
ALPO0089	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-06/14/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0090	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-06/14/93	0	1	
ALPO0091	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/20/93-02/01/95	1	4	
ALPO0092	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-06/14/93	0	1	
ALPO0093	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/20/93-02/01/95	1	4	
ALPO0094	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/08/93-06/08/93	0	1	
ALPO0095	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/27/92-07/27/92	0	1	
ALPO0096	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/27/92-07/27/92	0	1	
ALPO0097	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-06/01/94	0	2	
ALPO0098	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/09/93-02/01/95	1	2	
ALPO0099	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/30/93-06/30/93	0	1	
ALPO0100	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/30/93-12/08/94	1	3	
ALPO0101	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/13/93-04/06/95	1	4	
ALPO0102	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/30/93-06/30/93	0	1	
ALPO0103	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-11/29/94	1	3	
ALPO0104	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/01/94-03/14/95	0	3	
ALPO0105	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/30/93-06/30/93	0	1	
ALPO0106	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/01/94-10/13/94	0	2	
ALPO0107	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/01/94-10/13/94	0	2	
ALPO0108	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/30/93-06/30/93	0	1	
ALPO0109	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/30/93-06/30/93	0	1	
ALPO0110	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/01/93-03/14/95	1	4	
ALPO0111	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/01/94-12/08/94	0	2	
ALPO0112	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/30/93-06/30/93	0	1	
ALPO0113	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	05/31/94-05/31/94	0	1	
ALPO0114	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/30/93-06/30/93	0	1	
ALPO0115	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/03/93-06/03/93	0	1	
ALPO0116	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/01/94-06/01/94	0	1	
ALPO0117	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/06/93-07/06/93	0	1	
ALPO0118	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/01/94-03/14/95	0	3	
ALPO0119	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/06/93-07/06/93	0	1	
ALPO0120	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/03/93-11/29/94	1	2	
ALPO0121	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/03/93-06/03/93	0	1	
ALPO0122	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/06/93-06/01/94	0	2	
ALPO0123	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/03/93-06/03/93	0	1	
ALPO0124	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-06/06/94	0	2	
ALPO0125	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/02/93-04/06/95	1	4	
ALPO0126	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/02/93-06/01/94	0	2	
ALPO0127	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/29/93-06/29/93	0	1	
ALPO0128	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/02/93-06/01/94	0	2	
ALPO0129	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/29/93-03/07/95	1	4	
ALPO0131	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/09/93-06/09/93	0	1	
ALPO0132	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/30/93-03/07/95	1	4	
ALPO0133	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/29/93-03/07/95	1	4	
ALPO0134	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/27/94-04/04/95	0	3	
ALPO0135	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-10/13/94	1	4	
ALPO0136	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/06/94-06/06/94	0	1	
ALPO0137	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-10/13/94	1	4	
ALPO0138	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-06/07/93	0	1	
ALPO0139	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/29/93-06/29/93	0	1	
ALPO0140	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/29/93-06/29/93	0	1	
ALPO0141	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/29/93-06/29/93	0	1	
ALPO0142	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/05/92-04/06/95	2	8	
ALPO0143	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	11/30/92-11/30/92	0	1	
ALPO0144	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	11/30/92-11/30/92	0	1	
ALPO0145	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/16/94-04/06/95	0	2	
ALPO0146	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-10/13/94	1	3	
ALPO0147	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-06/14/93	0	1	
ALPO0148	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-06/14/93	0	1	
ALPO0149	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-04/06/95	1	3	
ALPO0150	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-06/14/93	0	1	
ALPO0151	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/27/94-12/15/94	0	2	
ALPO0152	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	11/28/92-05/31/94	1	6	
ALPO0153	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	01/28/93-05/31/94	1	4	
ALPO0154	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/29/93-06/29/93	0	1	
ALPO0155	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	12/22/92-11/06/93	0	4	
ALPO0156	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/29/93-06/29/93	0	1	
ALPO0157	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-03/16/95	1	4	
ALPO0158	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-06/14/93	0	1	
ALPO0159	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-06/14/93	0	1	
ALPO0160	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/18/93-03/07/95	1	4	
ALPO0161	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/18/93-03/13/95	1	4	
ALPO0162	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/18/93-03/13/95	1	4	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0164	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/01/94-08/01/94	0	1	
ALPO0166	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/01/94-08/01/94	0	1	
ALPO0168	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/29/93-06/29/93	0	1	
ALPO0169	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/27/93-07/27/93	0	1	
ALPO0170	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/28/93-05/25/94	0	2	
ALPO0171	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/28/93-05/23/95	1	4	
ALPO0172	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/28/93-05/25/94	0	2	
ALPO0173	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/93-10/19/94	1	3	
ALPO0174	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/93-12/15/94	1	3	
ALPO0175	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/01/94-08/01/94	0	1	
ALPO0176	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/93-05/16/95	1	4	
ALPO0179	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/12/93-07/12/93	0	1	
ALPO0180	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/05/93-08/05/93	0	1	
ALPO0181	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/12/93-06/06/94	0	2	
ALPO0182	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/12/93-06/06/94	0	2	
ALPO0183	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/12/93-06/05/94	0	2	
ALPO0184	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/12/93-08/12/93	0	1	
ALPO0185	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/12/93-08/12/93	0	1	
ALPO0186	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/94-04/11/95	0	2	
ALPO0187	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/12/93-08/12/93	0	1	
ALPO0188	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/12/93-08/12/93	0	1	
ALPO0189	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/15/93-06/05/94	0	2	
ALPO0190	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/24/93-03/07/95	1	2	
ALPO0191	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/24/93-06/24/93	0	1	
ALPO0192	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/22/93-03/15/95	1	3	
ALPO0193	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/22/93-06/08/94	0	2	
ALPO0194	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/29/93-06/29/93	0	1	
ALPO0195	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-06/14/93	0	1	
ALPO0196	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/93-10/03/94	1	3	
ALPO0197	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	05/25/94-05/25/94	0	1	
ALPO0198	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/04/93-09/29/94	1	3	
ALPO0200	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	05/25/94-05/25/94	0	1	
ALPO0201	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/04/93-09/29/94	1	3	
ALPO0202	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	12/21/93-12/21/93	0	1	
ALPO0204	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	05/25/94-05/25/94	0	1	
ALPO0205	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/24/93-06/24/93	0	1	
ALPO0206	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/15/93-06/15/93	0	1	
ALPO0207	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/05/93-08/05/93	0	1	
ALPO0208	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/15/93-06/15/93	0	1	
ALPO0209	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-04/11/95	1	4	
ALPO0210	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/26/93-07/26/93	0	1	
ALPO0211	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-04/11/95	1	4	
ALPO0212	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/05/93-08/05/93	0	1	
ALPO0213	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/26/93-07/26/93	0	1	
ALPO0214	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-08/16/93	0	1	
ALPO0215	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/15/93-06/15/93	0	1	
ALPO0216	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/15/93-06/15/93	0	1	
ALPO0217	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/15/93-06/15/93	0	1	
ALPO0218	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/04/93-09/29/94	1	3	
ALPO0219	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/04/93-05/23/94	0	2	
ALPO0220	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/04/93-05/23/94	0	2	
ALPO0221	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/17/93-06/17/93	0	1	
ALPO0222	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/12/93-05/23/95	1	4	
ALPO0223	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/12/93-05/23/95	1	4	
ALPO0224	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/12/93-05/23/94	0	3	
ALPO0226	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/12/93-05/24/94	0	2	
ALPO0227	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/12/93-12/15/94	1	3	
ALPO0228	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/01/94-07/01/94	0	1	
ALPO0230	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/12/93-05/24/94	0	2	
ALPO0232	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/17/93-06/17/93	0	1	
ALPO0234	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/10/94-08/10/94	0	1	
ALPO0236	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-08/16/93	0	1	
ALPO0237	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-08/16/93	0	1	
ALPO0240	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-05/17/95	1	4	
ALPO0241	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-08/16/93	0	1	
ALPO0242	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-09/24/94	1	3	
ALPO0243	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-08/16/93	0	1	
ALPO0244	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/20/94-09/23/94	0	2	
ALPO0245	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/20/94-06/20/94	0	1	
ALPO0246	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/26/94-10/05/94	0	3	
ALPO0247	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/20/94-06/20/94	0	1	
ALPO0248	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	12/21/93-06/09/94	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0249	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-08/16/93	0	1	
ALPO0250	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	12/21/93-12/21/93	0	1	
ALPO0251	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	12/21/93-06/09/94	0	2	
ALPO0252	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	12/21/93-12/21/93	0	1	
ALPO0253	Yes	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-08/16/93	0	1	
ALPO0255	Yes	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-08/16/93	0	1	
ALPO0256	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/26/94-05/18/95	0	4	
ALPO0257	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/26/94-05/18/95	0	4	
ALPO0258	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/26/94-05/18/95	0	4	
ALPO0260	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/26/93-07/26/93	0	1	
ALPO0261	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/26/94-05/18/95	0	3	
ALPO0263	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-08/16/93	0	1	
ALPO0264	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/26/94-10/11/94	0	3	
ALPO0265	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-11/22/94	1	3	
ALPO0268	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/02/94-11/22/94	0	2	
ALPO0271	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/02/94-11/22/94	0	2	
ALPO0272	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/25/94-08/25/94	0	1	
ALPO0273	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/02/94-08/02/94	0	1	
ALPO0274	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/25/94-08/25/94	0	1	
ALPO0276	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/03/94-11/20/94	0	2	
ALPO0277	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/26/94-05/24/95	0	3	
ALPO0279	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/26/94-12/29/94	0	2	
ALPO0280	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/29/92-07/29/92	0	1	
ALPO0284	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/10/94-08/10/94	0	1	
ALPO0285	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/29/92-07/06/93	0	4	
ALPO0286	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/27/94-03/19/95	0	3	
ALPO0287	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/29/92-07/06/93	0	4	
ALPO0288	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/94-03/19/95	0	3	
ALPO0289	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/94-03/19/95	0	2	
ALPO0290	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/29/92-07/29/92	0	1	
ALPO0291	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	11/09/92-11/09/92	0	1	
ALPO0292	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/94-03/19/95	0	3	
ALPO0293	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/27/94-03/19/95	0	3	
ALPO0294	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	11/08/94-03/19/95	0	2	
ALPO0295	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/94-03/19/95	0	3	
ALPO0297	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/94-03/19/95	0	3	
ALPO0298	Yes	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/94-09/20/94	0	2	
ALPO0299	Yes	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/94-09/20/94	0	2	
ALPO0300	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/94-03/19/95	0	3	
ALPO0301	Yes	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/94-05/24/95	0	3	
ALPO0302	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/03/92-08/03/92	0	1	
ALPO0303	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	11/09/92-11/09/92	0	1	
ALPO0304	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/94-05/24/95	0	3	
ALPO0305	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	11/09/92-11/09/92	0	1	
ALPO0306	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/03/92-08/03/92	0	1	
ALPO0307	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/10/94-08/10/94	0	1	
ALPO0308	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/19/94-12/06/94	0	2	
ALPO0310	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/19/94-12/06/94	0	2	
ALPO0313	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/03/92-08/03/92	0	1	
ALPO0314	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/29/92-07/06/93	0	3	
ALPO0315	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	11/23/92-11/23/92	0	1	
ALPO0316	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/20/94-07/20/94	0	1	
ALPO0319	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/20/94-12/06/94	0	2	
ALPO0324	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/29/92-07/06/93	0	3	
ALPO0325	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/20/94-12/01/94	0	2	
ALPO0337	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/22/94-08/22/94	0	1	
ALPO0338	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/11/94-11/16/94	0	2	
ALPO0347	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	05/28/94-05/28/94	0	1	
ALPO0355	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/11/94-01/11/95	0	2	
ALPO0360	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/25/94-08/25/94	0	1	
ALPO0361	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	10/23/93-01/25/96	2	3	
ALPO0362	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/92-01/25/96	3	6	
ALPO0363	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	10/23/93-01/25/96	2	3	
ALPO0364	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/13/93-11/14/94	1	3	
ALPO0365	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	10/23/93-04/20/95	1	3	
ALPO0366	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	09/30/92-04/20/95	2	5	
ALPO0367	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/13/93-04/20/95	1	4	
ALPO0368	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	11/15/94-04/12/95	0	2	
ALPO0369	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	02/05/94-01/24/96	1	4	
ALPO0370	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	02/05/94-01/24/96	1	3	
ALPO0371	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	11/15/94-11/15/94	0	1	
ALPO0372	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	02/05/94-01/24/96	1	5	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0373	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	02/05/94-11/16/94	0	2	
ALPO0374	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/15/93-12/21/94	1	3	
ALPO0375	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	02/05/94-01/24/96	1	5	
ALPO0376	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	02/05/94-01/24/96	1	5	
ALPO0377	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/15/93-01/25/96	2	5	
ALPO0378	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/92-12/20/94	2	4	
ALPO0379	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	09/30/92-12/20/94	2	4	
ALPO0380	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/15/93-07/15/93	0	1	
ALPO0381	No	70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/15/93-07/15/93	0	1	
ALPO0167	No	70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	10/20/94-10/20/94	0	1	
ALPO0351	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	04/23/96-02/19/97	0	7	
ALPO0027	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12/21/76-12/21/76	0	1	
ALPO0163	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/07/86-07/07/87	1	12	
ALPO0165	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/22/86-07/22/86	0	1	
ALPO0177	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/07/86-07/07/87	1	12	
ALPO0178	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/25/86-07/07/87	1	6	
ALPO0225	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/22/86-07/07/87	0	3	
ALPO0229	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/07/86-07/07/87	1	12	
ALPO0233	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/25/86-06/02/87	0	5	
ALPO0235	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/07/86-07/07/87	1	12	
ALPO0238	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/07/86-07/07/87	1	12	
ALPO0254	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/07/86-07/07/87	1	12	
ALPO0334	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/01/71-03/01/72	0	3	
ALPO0348	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/01/71-03/01/72	0	2	
ALPO0163	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	05/07/86-07/07/87	1	12	
ALPO0165	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/22/86-07/22/86	0	1	
ALPO0177	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	05/07/86-07/07/87	1	12	
ALPO0178	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	06/25/86-07/07/87	1	6	
ALPO0225	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/22/86-07/07/87	0	3	
ALPO0229	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	05/07/86-07/07/87	1	12	
ALPO0233	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	06/25/86-06/02/87	0	5	
ALPO0235	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	05/07/86-07/07/87	1	12	
ALPO0238	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	05/07/86-07/07/87	1	12	
ALPO0239	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	08/30/93-08/30/93	0	1	
ALPO0254	Yes	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	05/07/86-07/07/87	1	12	
ALPO0278	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/12/93-07/12/93	0	1	
ALPO0282	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/28/93-05/24/94	0	2	
ALPO0283	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/13/93-07/13/93	0	1	
ALPO0311	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/15/93-04/19/94	0	2	
ALPO0312	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/15/93-07/15/93	0	1	
ALPO0317	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/13/93-07/13/93	0	1	
ALPO0320	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	06/14/94-11/21/94	0	2	
ALPO0321	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/07/94-07/07/94	0	1	
ALPO0327	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	06/14/94-06/14/94	0	1	
ALPO0328	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/28/93-05/24/94	0	2	
ALPO0329	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/28/93-05/24/94	0	2	
ALPO0331	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/14/93-07/14/93	0	1	
ALPO0332	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	06/14/94-06/14/94	0	1	
ALPO0333	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	06/14/94-06/14/94	0	1	
ALPO0334	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	10	121	A
ALPO0335	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/21/94-11/21/94	0	1	
ALPO0339	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	08/15/94-08/15/94	0	2	
ALPO0340	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	08/15/94-08/15/94	0	1	
ALPO0341	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	08/15/94-08/15/94	0	1	
ALPO0342	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	08/15/94-08/15/94	0	1	
ALPO0343	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/27/93-05/23/94	0	2	
ALPO0344	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	08/15/94-08/15/94	0	1	
ALPO0345	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	08/15/94-11/21/94	0	2	
ALPO0346	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/25/80-04/28/81	0	5	
ALPO0348	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	10	118	A
ALPO0349	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	08/15/94-08/15/94	0	1	
ALPO0351	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/27/93-12/11/96	3	10	
ALPO0352	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	12/30/80-04/28/81	0	4	
ALPO0354	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	08/15/94-08/15/94	0	1	
ALPO0357	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/21/94-11/21/94	0	1	
ALPO0358	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/25/80-04/28/81	0	5	
ALPO0359	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/28/93-05/23/94	0	2	
ALPO0003	No	70957	CHLOROPHYLL-A,PERIPHYTON UG/L,CHROMO-FLUORO	07/21/93-07/21/93	0	1	
ALPO0003	No	70958	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-FLUORO	07/21/93-07/21/93	0	1	
ALPO0001	No	70977	INSTRUMENT RATIO, LAB/FIELD CONCENTRATIONS, NUMBER	09/23/87-09/23/87	0	2	
ALPO0005	No	71825	ACIDITY, TOTAL (MG/L AS H)	04/20/66-09/23/69	3	7	
ALPO0007	No	71825	ACIDITY, TOTAL (MG/L AS H)	08/14/79-08/13/81	1	5	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0011	No	71825	ACIDITY, TOTAL (MG/L AS H)	04/01/80-04/01/80	0	1	
ALPO0012	No	71825	ACIDITY, TOTAL (MG/L AS H)	08/14/79-08/13/81	1	5	
ALPO0014	No	71825	ACIDITY, TOTAL (MG/L AS H)	08/14/79-08/13/81	1	5	
ALPO0199	No	71825	ACIDITY, TOTAL (MG/L AS H)	08/13/79-08/14/81	2	5	
ALPO0262	No	71825	ACIDITY, TOTAL (MG/L AS H)	08/06/79-08/11/81	2	5	
ALPO0282	No	71825	ACIDITY, TOTAL (MG/L AS H)	08/10/79-08/14/81	2	5	
ALPO0330	No	71825	ACIDITY, TOTAL (MG/L AS H)	09/29/65-09/29/65	0	1	
ALPO0351	No	71825	ACIDITY, TOTAL (MG/L AS H)	10/23/59-09/22/81	21	17	
ALPO0356	No	71825	ACIDITY, TOTAL (MG/L AS H)	08/09/79-08/14/81	2	5	
ALPO0359	No	71825	ACIDITY, TOTAL (MG/L AS H)	08/09/79-03/25/80	0	2	
ALPO0351	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	10/23/59-05/02/60	0	2	
ALPO0005	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/20/66-01/16/69	2	6	
ALPO0029	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/03/70-06/03/70	0	1	
ALPO0030	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/03/70-06/03/70	0	1	
ALPO0130	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/14/86-05/04/86	0	2	
ALPO0203	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/14/86-05/04/86	0	2	
ALPO0275	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/14/86-05/04/86	0	2	
ALPO0281	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/14/86-05/04/86	0	2	
ALPO0330	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/29/65-09/29/65	0	1	
ALPO0350	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/07/26-11/10/71	45	5	
ALPO0351	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/12/59-10/24/63	4	4	
ALPO0130	No	71885	IRON (UG/L AS FE)	04/14/86-05/04/86	0	2	
ALPO0203	No	71885	IRON (UG/L AS FE)	04/14/86-05/04/86	0	2	
ALPO0275	No	71885	IRON (UG/L AS FE)	04/14/86-05/04/86	0	2	
ALPO0281	No	71885	IRON (UG/L AS FE)	04/14/86-05/04/86	0	2	
ALPO0351	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	11/05/79-11/05/79	0	1	
ALPO0004	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/23/87-08/15/96	9	15	
ALPO0010	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/09/87-11/06/96	9	16	
ALPO0016	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/22/87-09/06/96	9	16	
ALPO0018	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/08/87-10/31/96	9	16	
ALPO0021	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/08/87-09/06/96	9	16	
ALPO0022	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/08/87-10/31/96	9	15	
ALPO0334	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/06/74-09/23/86	12	8	
ALPO0348	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/06/74-09/23/86	12	8	
ALPO0351	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/05/79-11/05/79	0	1	
ALPO0007	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/14/79-08/14/79	0	1	
ALPO0199	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/20/80-08/20/80	0	1	
ALPO0262	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/06/79-08/06/79	0	1	
ALPO0282	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/18/80-08/18/80	0	1	
ALPO0356	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/09/79-08/09/79	0	1	
ALPO0359	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/23/80-08/23/80	0	1	
ALPO0167	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/20/94-10/20/94	0	1	
ALPO0001	No	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	09/23/87-09/23/87	0	1	
ALPO0167	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/20/94-10/20/94	0	1	
ALPO0167	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/20/94-10/20/94	0	1	
ALPO0167	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	10/20/94-10/20/94	0	1	
ALPO0167	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/20/94-10/20/94	0	1	
ALPO0004	No	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	04/01/87-04/01/87	0	1	
ALPO0010	No	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	04/01/87-04/01/87	0	1	
ALPO0016	No	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	04/01/87-04/01/87	0	1	
ALPO0018	No	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	04/01/87-04/01/87	0	1	
ALPO0021	No	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	04/01/87-04/01/87	0	1	
ALPO0022	No	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	04/01/87-04/01/87	0	1	
ALPO0350	No	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	04/20/53-07/08/71	18	2	
ALPO0351	No	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	10/23/59-05/02/60	0	2	
ALPO0007	No	72005	SAMPLE SOURCE CODE (BM WELL DATA)	08/14/79-08/14/79	0	1	
ALPO0199	No	72005	SAMPLE SOURCE CODE (BM WELL DATA)	08/13/79-08/13/79	0	1	
ALPO0262	No	72005	SAMPLE SOURCE CODE (BM WELL DATA)	08/06/79-08/06/79	0	1	
ALPO0356	No	72005	SAMPLE SOURCE CODE (BM WELL DATA)	08/09/79-08/09/79	0	1	
ALPO0359	No	72005	SAMPLE SOURCE CODE (BM WELL DATA)	08/09/79-08/09/79	0	1	
ALPO0350	No	72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	04/20/53-07/08/71	18	2	
ALPO0351	No	72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	10/13/59-10/13/59	0	1	
ALPO0350	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	04/20/53-10/16/59	6	2	
ALPO0351	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	10/12/59-10/16/59	0	3	
ALPO0029	No	72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	06/03/70-06/03/70	0	1	
ALPO0030	No	72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	06/03/70-06/03/70	0	1	
ALPO0350	No	72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	10/16/59-10/16/59	0	1	
ALPO0351	No	72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	10/13/59-10/16/59	0	2	
ALPO0130	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/14/86-05/04/86	0	2	
ALPO0203	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/14/86-05/04/86	0	2	
ALPO0275	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/14/86-05/04/86	0	2	
ALPO0281	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/14/86-05/04/86	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0017	No	74010	IRON, TOTAL (MG/L AS FE)	10/02/72-10/02/72	0	1	
ALPO0034	No	74010	IRON, TOTAL (MG/L AS FE)	07/26/72-07/26/72	0	1	
ALPO0036	No	74010	IRON, TOTAL (MG/L AS FE)	07/26/72-07/26/72	0	1	
ALPO0050	No	74010	IRON, TOTAL (MG/L AS FE)	10/23/72-10/23/72	0	1	
ALPO0054	No	74010	IRON, TOTAL (MG/L AS FE)	10/17/72-10/17/72	0	1	
ALPO0056	No	74010	IRON, TOTAL (MG/L AS FE)	10/17/72-10/17/72	0	1	
ALPO0057	No	74010	IRON, TOTAL (MG/L AS FE)	10/17/72-10/17/72	0	1	
ALPO0060	No	74010	IRON, TOTAL (MG/L AS FE)	10/17/72-10/17/72	0	1	
ALPO0061	No	74010	IRON, TOTAL (MG/L AS FE)	10/17/72-10/17/72	0	1	
ALPO0063	No	74010	IRON, TOTAL (MG/L AS FE)	10/17/72-10/17/72	0	1	
ALPO0064	No	74010	IRON, TOTAL (MG/L AS FE)	10/17/72-10/17/72	0	1	
ALPO0065	No	74010	IRON, TOTAL (MG/L AS FE)	10/17/72-10/17/72	0	1	
ALPO0076	No	74010	IRON, TOTAL (MG/L AS FE)	10/17/72-12/03/72	0	3	
ALPO0079	No	74010	IRON, TOTAL (MG/L AS FE)	10/17/72-12/03/72	0	3	
ALPO0348	No	74010	IRON, TOTAL (MG/L AS FE)	07/08/70-07/08/70	0	1	
ALPO0001	No	76530	BIPHENYL TISSUE ,WET WGT,MG/KG	09/23/87-09/23/87	0	1	
ALPO0167	No	78457	CHLORDENE, ALPHA-, FISH TISSUE, WET WEIGHT, MG/KG	10/20/94-10/20/94	0	2	
ALPO0167	No	78459	CHLORDENE, GAMMA-, FISH TISSUE, WET WEIGHT, MG/KG	10/20/94-10/20/94	0	2	
ALPO0001	No	78907	HEXACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	79026	1,2,3,4,-TETRACHLOROBENZENE IN FISH WET WGT MG/KG	09/23/87-09/23/87	0	1	
ALPO0007	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/08/79-08/13/81	2	6	
ALPO0011	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/08/79-08/13/81	2	5	
ALPO0012	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/08/79-08/13/81	2	6	
ALPO0014	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/08/79-08/13/81	2	6	
ALPO0199	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/06/79-08/14/81	2	5	
ALPO0262	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/06/79-08/11/81	2	6	
ALPO0282	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/06/79-08/14/81	2	5	
ALPO0351	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	09/24/79-02/19/97	17	22	
ALPO0356	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/05/79-08/14/81	2	6	
ALPO0359	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/06/79-08/12/81	2	6	
ALPO0007	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	06/08/79-08/13/81	2	6	
ALPO0011	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	06/08/79-08/13/81	2	5	
ALPO0012	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	06/08/79-08/13/81	2	6	
ALPO0014	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	06/08/79-08/13/81	2	6	
ALPO0199	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	06/06/79-08/14/81	2	5	
ALPO0262	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	06/06/79-08/11/81	2	6	
ALPO0282	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	06/06/79-08/14/81	2	5	
ALPO0351	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	09/24/79-09/22/81	1	15	
ALPO0356	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	06/05/79-08/14/81	2	6	
ALPO0359	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	06/06/79-08/12/81	2	6	
ALPO0003	No	80157	BED MATERIAL FALL DIAMETER, % FINER THAN .004MM	09/22/92-09/22/92	0	1	
ALPO0003	No	80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	09/22/92-09/22/92	0	1	
ALPO0003	No	80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	09/22/92-09/22/92	0	1	
ALPO0130	No	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	04/14/86-05/04/86	0	2	
ALPO0203	No	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	04/14/86-05/04/86	0	2	
ALPO0275	No	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	04/14/86-05/04/86	0	2	
ALPO0281	No	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	04/14/86-05/04/86	0	2	
ALPO0001	No	81312	POLYCHLORINATEDBIPHENYLS FISH TISSUE WET WGT MG/KG	09/23/87-09/23/87	0	1	
ALPO0163	No	81319	COD, FIELD MG/L	07/22/86-08/18/86	0	2	
ALPO0177	No	81319	COD, FIELD MG/L	07/22/86-08/18/86	0	2	
ALPO0229	No	81319	COD, FIELD MG/L	07/22/86-08/18/86	0	2	
ALPO0235	No	81319	COD, FIELD MG/L	07/22/86-08/18/86	0	2	
ALPO0238	No	81319	COD, FIELD MG/L	07/22/86-08/18/86	0	2	
ALPO0254	Yes	81319	COD, FIELD MG/L	07/22/86-08/18/86	0	2	
ALPO0003	No	81380	VELOCITY OF DISCHARGE, METERS/SECOND	07/21/93-07/21/93	0	1	
ALPO0167	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/20/94-10/20/94	0	2	
ALPO0001	No	81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	09/23/87-09/23/87	0	1	
ALPO0167	No	81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	10/20/94-10/20/94	0	2	
ALPO0001	No	81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	09/23/87-09/23/87	0	1	
ALPO0167	No	81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	10/20/94-10/20/94	0	2	
ALPO0001	No	81652	TREFLAN IN FISH TISSUE WET WEIGHT MG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	81807	DURSBAN IN FISH TISSUE WET WEIGHT MG/KG	09/23/87-09/23/87	0	1	
ALPO0167	No	81822	KEPONE IN FISH TISSUE WET WEIGHT MG/KG	10/20/94-10/20/94	0	2	
ALPO0001	No	81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	09/23/87-09/23/87	0	1	
ALPO0167	No	82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	10/20/94-10/20/94	0	2	
ALPO0007	No	82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	08/21/80-08/21/80	0	1	
ALPO0011	No	82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	08/21/80-08/21/80	0	1	
ALPO0012	No	82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	08/13/81-08/13/81	0	1	
ALPO0199	No	82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	08/20/80-08/20/80	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0262	No	82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	08/20/80-08/20/80	0	1	
ALPO0282	No	82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	08/18/80-08/18/80	0	1	
ALPO0356	No	82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	08/20/80-08/20/80	0	1	
ALPO0359	No	82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	08/23/80-08/23/80	0	1	
ALPO0318	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	07/15/77-07/15/77	0	1	
ALPO0163	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/29/86-06/02/87	1	10	
ALPO0177	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/29/86-06/02/87	1	10	
ALPO0178	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/18/86-07/07/87	0	4	
ALPO0225	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/02/87-07/07/87	0	2	
ALPO0229	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/29/86-07/07/87	1	11	
ALPO0233	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/18/86-06/02/87	0	3	
ALPO0235	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/29/86-07/07/87	1	11	
ALPO0238	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/29/86-07/07/87	1	11	
ALPO0254	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/29/86-07/07/87	1	11	
ALPO0004	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/23/87-08/15/96	9	21	
ALPO0008	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/25/97-06/25/97	0	1	
ALPO0009	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/07/97-03/07/97	0	1	
ALPO0010	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/09/87-11/06/96	9	22	
ALPO0013	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/07/97-06/25/97	0	2	
ALPO0016	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/22/87-09/06/96	9	22	
ALPO0018	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/87-10/31/96	9	22	
ALPO0019	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/07/97-06/25/97	0	2	
ALPO0020	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/07/97-06/25/97	0	2	
ALPO0021	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/87-09/06/96	9	22	
ALPO0022	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/87-10/31/96	9	21	
ALPO0023	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/07/97-06/25/97	0	2	
ALPO0024	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/07/97-03/07/97	0	1	
ALPO0028	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/07/97-06/25/97	0	2	
ALPO0130	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/14/86-05/04/86	0	2	
ALPO0203	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/14/86-05/04/86	0	2	
ALPO0275	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/14/86-05/04/86	0	2	
ALPO0281	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/14/86-05/04/86	0	2	
ALPO0334	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/04/82-12/01/87	5	64	
ALPO0348	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/04/82-12/01/87	5	63	
ALPO0318	No	82331	DYSPROSIUM, DISSOLVED AS DY IN WATER UG/L	07/15/77-07/15/77	0	1	
ALPO0011	No	82398	SAMPLING METHOD (CODES)	08/14/79-08/14/79	0	1	
ALPO0351	No	82398	SAMPLING METHOD (CODES)	11/18/96-05/15/97	0	5	
ALPO0130	No	83509	STREAM, WIDTH METER	04/14/86-05/04/86	0	2	
ALPO0203	No	83509	STREAM, WIDTH METER	04/14/86-05/04/86	0	2	
ALPO0275	No	83509	STREAM, WIDTH METER	04/14/86-05/04/86	0	2	
ALPO0281	No	83509	STREAM, WIDTH METER	04/14/86-05/04/86	0	2	
ALPO0003	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	09/22/92-07/21/93	0	2	
ALPO0004	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	04/01/87-04/01/87	0	1	
ALPO0010	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	04/01/87-04/01/87	0	1	
ALPO0016	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	04/01/87-04/01/87	0	1	
ALPO0018	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	04/01/87-04/01/87	0	1	
ALPO0021	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	04/01/87-04/01/87	0	1	
ALPO0022	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	04/01/87-04/01/87	0	1	
ALPO0029	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	06/03/70-06/03/70	0	1	
ALPO0030	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	06/03/70-06/03/70	0	1	
ALPO0312	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	05/24/94-05/24/94	0	1	
ALPO0329	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	07/28/93-07/28/93	0	1	
ALPO0332	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	06/14/94-06/14/94	0	1	
ALPO0343	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	07/27/93-07/27/93	0	1	
ALPO0357	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	11/21/94-11/21/94	0	1	
ALPO0003	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	09/22/92-07/21/93	0	2	
ALPO0004	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	04/01/87-04/01/87	0	1	
ALPO0010	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	04/01/87-04/01/87	0	1	
ALPO0016	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	04/01/87-04/01/87	0	1	
ALPO0018	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	04/01/87-04/01/87	0	1	
ALPO0021	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	04/01/87-04/01/87	0	1	
ALPO0022	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	04/01/87-04/01/87	0	1	
ALPO0029	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	06/03/70-06/03/70	0	1	
ALPO0030	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	06/03/70-06/03/70	0	1	
ALPO0312	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	05/24/94-05/24/94	0	1	
ALPO0329	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	07/28/93-07/28/93	0	1	
ALPO0332	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	06/14/94-06/14/94	0	1	
ALPO0343	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	07/27/93-07/27/93	0	1	
ALPO0357	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	11/21/94-11/21/94	0	1	
ALPO0001	No	84007	ANATOMY ALPHA CODE	09/23/87-09/23/87	0	2	
ALPO0167	No	84007	ANATOMY ALPHA CODE	10/20/94-10/20/94	0	2	
ALPO0004	No	84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE	04/01/87-07/01/93	6	2	

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

Station/Parameter Period of Record Tabulation
From 10/07/26 To 06/25/97

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ALPO0010	No	84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE	04/01/87-07/01/93	6	2	
ALPO0016	No	84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE	04/01/87-07/01/93	6	2	
ALPO0018	No	84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE	04/01/87-04/01/87	0	1	
ALPO0021	No	84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE	04/01/87-07/01/93	6	2	
ALPO0022	No	84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE	04/01/87-04/01/87	0	1	
ALPO0001	No	85675	TRICHLOROBENZENE,1,3,5- TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	85676	TRICHLOROBENZENE,1,2,3- TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	85677	TETRACHLOROBENZENE,1,2,4,5- TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	85678	TETRACHLOROBENZENE,1,2,3,5- TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	85679	PENTACHLOROBENZENE TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	85680	DIPHENYL DISULFIDE TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	85681	OCTACHLOROSTYRENE TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	85682	NITROFEN TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	85683	PERTHANE TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	0	1	
ALPO0001	No	85684	DICOFOL (KELTHANE) TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	0	1	

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

Station-By-Station Results

Station Inventory for Station: ALPO0001

NPS Station ID: ALPO0001
LAT/LON: 40.388892/ -78.405560
Agency: 11BIOACC
Date Created: 02/24/90
Location: FRANKSTOWN BRANCH @ KLADDER STATION
FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 3318
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050302
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02050302
RF1 Mile Point: 0.000
Distance from RF1: 1.60
On/Off RF1:
RF3 Index: 02050302020200.00
RF3 Mile Point: 0.03
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
30344	PENTACHLORODIBENZO-P-DIOXIN,12378,FISH,WET WT,PG/G	09/23/87-09/23/87	2 ##	0.48	0.48	0.5	0.46	0.001	0.028	**	**	**	**
30345	HEXACHLORODIBENZO-P-DIOXIN,123478,FISH,WET WT,PG/G	09/23/87-09/23/87	2 ##	1.228	1.228	1.23	1.225	0.	0.004	**	**	**	**
30346	HEXACHLORODIBENZO-P-DIOXIN,123678,FISH,WET WT,PG/G	09/23/87-09/23/87	2 ##	0.548	0.548	0.915	0.18	0.27	0.52	**	**	**	**
30347	HEXACHLORODIBENZO-P-DIOXIN,123789,FISH,WET WT,PG/G	09/23/87-09/23/87	2 ##	0.685	0.685	0.685	0.685	0.	0.	**	**	**	**
30348	HEPTACHLORODIBENZO-P-DIOXIN,1234678,TIS,WETWT,PG/G	09/23/87-09/23/87	2	0.535	0.535	0.69	0.38	0.048	0.219	**	**	**	**
30349	TETRACHLORODIBENZOFURAN, 2378- , FISH,WET WT.,PG/G	09/23/87-09/23/87	2	17.61	17.61	30.7	4.52	342.696	18.512	**	**	**	**
30350	PENTACHLORODIBENZOFURAN,12378- , FISH,WET WT.,PG/G	09/23/87-09/23/87	2 ##	0.348	0.348	0.385	0.31	0.003	0.053	**	**	**	**
30351	PENTACHLORODIBENZOFURAN,23478- , FISH,WET WT.,PG/G	09/23/87-09/23/87	2 ##	0.44	0.44	0.46	0.42	0.001	0.028	**	**	**	**
30352	HEXACHLORODIBENZOFURAN,123478- , FISH,WET WT.,PG/G	09/23/87-09/23/87	2 ##	1.408	1.408	1.41	1.405	0.	0.004	**	**	**	**
30353	HEXACHLORODIBENZOFURAN,123678- , FISH,WET WT.,PG/G	09/23/87-09/23/87	2 ##	1.418	1.418	1.42	1.415	0.	0.004	**	**	**	**
30354	HEXACHLORODIBENZOFURAN,123789- , FISH,WET WT.,PG/G	09/23/87-09/23/87	2 ##	1.38	1.38	1.38	1.38	0.	0.	**	**	**	**
30355	HEXACHLORODIBENZOFURAN,234678- , FISH,WET WT.,PG/G	09/23/87-09/23/87	2 ##	0.975	0.975	0.975	0.975	0.	0.	**	**	**	**
30356	HEPTACHLORODIBENZOFURAN,1234678- ,FISH,WET WT,PG/G	09/23/87-09/23/87	2 ##	0.72	0.72	0.72	0.72	0.	0.	**	**	**	**
30357	HEPTACHLORODIBENZOFURAN,1234789- ,FISH,WET WT,PG/G	09/23/87-09/23/87	2 ##	1.303	1.303	1.305	1.3	0.	0.004	**	**	**	**
34395	HEXACHLOROBUTADIENE WET WGTTISMG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34754	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN TISWETWTPG/G	09/23/87-09/23/87	2	1.06	1.06	1.71	0.41	0.845	0.919	**	**	**	**
38824	ISOPROPALIN TISWETWGTMG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39319	MONOCHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	09/23/87-09/23/87	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39335	DICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39339	TRICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39345	TETRACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39347	PENTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	1	0.027	0.027	0.027	0.027	0.	0.	**	**	**	**
39354	HEPTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39355	OCTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	09/23/87-09/23/87	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
39408	NONACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39409	DECACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
46333	PENTACHLORONITROBENZENE (PCNB) IN TISSUE WET MG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**

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

Parameter Inventory for Station: ALPO0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70977	INSTRUMENT RATIO, LAB/FIELD CONCENTRATIONS, NUMBER	09/23/87-09/23/87	2	2.96	2.96	5.05	0.87	8.736	2.956	**	**	**	**
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	09/23/87-09/23/87	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
76530	BIPHENYL TISSUE ,WET WGT,MG/KG	09/23/87-09/23/87	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
78907	HEXACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	09/23/87-09/23/87	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	09/23/87-09/23/87	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
79026	1,2,3,4,-TETRACHLOROBENZENE IN FISH WET WGT MG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81312	POLYCHLORINATEDBIPHENYLS FISH TISSUE WET WGT MG/KG	09/23/87-09/23/87	1	0.052	0.052	0.052	0.052	0.	0.	**	**	**	**
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81652	TREFLAN IN FISH TISSUE WET WEIGHT MG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81807	DURSBAN IN FISH TISSUE WET WEIGHT MG/KG	09/23/87-09/23/87	1	0.022	0.022	0.022	0.022	0.	0.	**	**	**	**
81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	09/23/87-09/23/87	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85675	TRICHLOROBENZENE,1,3,5- TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85676	TRICHLOROBENZENE,1,2,3- TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85677	TETRACHLOROBENZENE,1,2,4,5- TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85678	TETRACHLOROBENZENE,1,2,3,5- TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85679	PENTACHLOROBENZENE TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85680	DIPHENYL DISULFIDE TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85681	OCTACHLOROSTYRENE TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85682	NITROFEN TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85683	PERTHANE TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85684	DICOFOL (KELTHANE) TISSUE,WET,WT,MG/KG	09/23/87-09/23/87	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**

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

Station Inventory for Station: ALPO0002

NPS Station ID: ALPO0002
LAT/LON: 40.395281/ -78.408059
Agency: 11TRAIN
Date Created: 02/22/97
Location: FRANK
FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 402549078213001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050302
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02050302
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0002

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

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

Station Inventory for Station: ALPO0003

NPS Station ID: ALPO0003 LAT/LON: 40.395281/ -78.408059 Agency: 112WRD Date Created: 11/20/93
Location: FRANKSTOWN BR JUNIATA R NEAR HOLLIDAYSBURG, PA FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 402549078213001
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02050302 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02050302 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/93-07/21/93	1	23.4	23.4	23.4	23.4	0.	0.	**	**	**	**
00055	VELOCITY, STREAM FT/SEC	07/21/93-07/21/93	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/21/93-07/21/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/21/93-07/21/93	1	989.	989.	989.	989.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/21/93-07/21/93	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/21/93-07/21/93	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/93-07/21/93	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/21/93-07/21/93	1	164.	164.	164.	164.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/21/93-07/21/93	1	185.	185.	185.	185.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	07/21/93-07/21/93	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	07/21/93-07/21/93	1	330.	330.	330.	330.	0.	0.	**	**	**	**
00573	BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)	07/21/93-07/21/93	1	340.	340.	340.	340.	0.	0.	**	**	**	**
34790	SURFACTANTS, AS CTAS, WATER MG/L	09/22/92-09/22/92	1	6.	6.	6.	6.	0.	0.	**	**	**	**
34795	ANTIMONY,SED,BOT,	09/22/92-09/22/92	1	2.	2.	2.	2.	0.	0.	**	**	**	**
34800	ARSENIC,SED,BOT,WET SIEVE,	09/22/92-09/22/92	1	11.	11.	11.	11.	0.	0.	**	**	**	**
34810	BERYLLIUM,SED,BOT,WET SIEVE,	09/22/92-09/22/92	1	2.	2.	2.	2.	0.	0.	**	**	**	**
34816	BISMUTH,SED,BOT,WET SIEVE,	09/22/92-09/22/92	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34825	CADMIUM,SED,BOT,	09/22/92-09/22/92	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
34830	CALCIUM,SED,BOT,	09/22/92-09/22/92	1	2.	2.	2.	2.	0.	0.	**	**	**	**
34835	CERIUM,SED,BOT,	09/22/92-09/22/92	1	63.	63.	63.	63.	0.	0.	**	**	**	**
34840	CHROMIUM,SED,BOT,	09/22/92-09/22/92	1	68.	68.	68.	68.	0.	0.	**	**	**	**
34845	COBALT,SED,BOT,	09/22/92-09/22/92	1	18.	18.	18.	18.	0.	0.	**	**	**	**
34850	COPPER,SED,BOT,	09/22/92-09/22/92	1	41.	41.	41.	41.	0.	0.	**	**	**	**
34855	EUROPIUM,SED,BOT,	09/22/92-09/22/92	1	33.	33.	33.	33.	0.	0.	**	**	**	**
34860	GALLIUM,SED,BOT,	09/22/92-09/22/92	1	17.	17.	17.	17.	0.	0.	**	**	**	**
34870	GOLD,SED,BOT,	09/22/92-09/22/92	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34875	HOLMIUM,SED,BOT,	09/22/92-09/22/92	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
34880	IRON,SED,BOT,	09/22/92-09/22/92	1	3.	3.	3.	3.	0.	0.	**	**	**	**
34885	LANTHANUM,SED,BOT,	09/22/92-09/22/92	1	33.	33.	33.	33.	0.	0.	**	**	**	**
34890	LEAD,SED,BOT,	09/22/92-09/22/92	1	48.	48.	48.	48.	0.	0.	**	**	**	**
34895	LITHIUM,SED,BOT,	09/22/92-09/22/92	1	60.	60.	60.	60.	0.	0.	**	**	**	**
34900	MAGNESIUM,SED,BOT,	09/22/92-09/22/92	1	1.	1.	1.	1.	0.	0.	**	**	**	**
34905	MANGANESE,SED,BOT,	09/22/92-09/22/92	1	1200.	1200.	1200.	1200.	0.	0.	**	**	**	**
34910	MERCURY,SED,BOT,	09/22/92-09/22/92	1	0.26	0.26	0.26	0.26	0.	0.	**	**	**	**
34915	MOLYBDENUM,SED,BOT,	09/22/92-09/22/92	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34920	NEODYMIUM,SED,BOT,	09/22/92-09/22/92	1	32.	32.	32.	32.	0.	0.	**	**	**	**
34925	NICKEL,SED,BOT,	09/22/92-09/22/92	1	37.	37.	37.	37.	0.	0.	**	**	**	**
34930	NIOBIUM,SED,BOT,	09/22/92-09/22/92	1	5.	5.	5.	5.	0.	0.	**	**	**	**

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Parameter Inventory for Station: ALPO0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34935	PHOSPHORUS,SED,BOT,	09/22/92-09/22/92	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
34940	POTASSIUM,SED,BOT,	09/22/92-09/22/92	1	2.	2.	2.	2.	0.	0.	**	**	**	**
34945	SCANDIUM,SED,BOT,	09/22/92-09/22/92	1	12.	12.	12.	12.	0.	0.	**	**	**	**
34950	SELENIUM,SED,BOT,	09/22/92-09/22/92	1	2.	2.	2.	2.	0.	0.	**	**	**	**
34955	SILVER,SED,BOT,	09/22/92-09/22/92	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
34960	SODIUM,SED,BOT,	09/22/92-09/22/92	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
34965	STRONTIUM,SED,BOT,	09/22/92-09/22/92	1	130.	130.	130.	130.	0.	0.	**	**	**	**
34970	SULFUR,SED,BOT,	09/22/92-09/22/92	1	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34975	TANTALUM,SED,BOT,	09/22/92-09/22/92	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
34980	THORIUM,SED,BOT,	09/22/92-09/22/92	1	10.	10.	10.	10.	0.	0.	**	**	**	**
34985	TIN,SED,BOT,	09/22/92-09/22/92	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
35000	URANIUM,SED,BOT,	09/22/92-09/22/92	1	4.	4.	4.	4.	0.	0.	**	**	**	**
35005	VANADIUM,SED,BOT,	09/22/92-09/22/92	1	88.	88.	88.	88.	0.	0.	**	**	**	**
35010	YTTRIUM,SED,BOT,	09/22/92-09/22/92	1	19.	19.	19.	19.	0.	0.	**	**	**	**
35015	YTTERBIUM,SED,BOT,	09/22/92-09/22/92	1	2.	2.	2.	2.	0.	0.	**	**	**	**
35020	ZINC,SED,BOT,	09/22/92-09/22/92	1	240.	240.	240.	240.	0.	0.	**	**	**	**
49237	ALUMINUM, DRY WEIGHT, TISSUE/BIOTA,RECV UG/G	09/22/92-09/22/92	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49238	BARIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	2 ##	0.125	0.125	0.2	0.05	0.011	0.106	**	**	**	**
49239	BORON, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	2	2.05	2.05	2.8	1.3	1.125	1.061	**	**	**	**
49240	CHROMIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	2	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
49241	COPPER, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	2	40.85	40.85	46.1	35.6	55.125	7.425	**	**	**	**
49242	IRON, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	2	567.5	567.5	598.	537.	1860.5	43.134	**	**	**	**
49243	MANGANESE, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	2	13.2	13.2	15.4	11.	9.68	3.111	**	**	**	**
49244	STRONTIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	2	0.5	0.5	0.6	0.4	0.02	0.141	**	**	**	**
49245	ZINC, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	2	111.	111.	121.	101.	200.	14.142	**	**	**	**
49246	ANTIMONY, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	2 ##	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
49247	ARSENIC, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	2 ##	0.25	0.25	0.4	0.1	0.045	0.212	**	**	**	**
49248	BERYLLIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	2 ##	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
49249	CADMIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	2 ##	0.25	0.25	0.3	0.2	0.005	0.071	**	**	**	**
49250	COBALT, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	2 ##	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
49251	LEAD, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	2 ##	0.55	0.55	0.9	0.2	0.245	0.495	**	**	**	**
49252	MOLYBDENUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	2	1.4	1.4	1.5	1.3	0.02	0.141	**	**	**	**
49253	NICKEL, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	2 ##	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
49254	SELENIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	2	11.25	11.25	13.3	9.2	8.405	2.899	**	**	**	**
49255	SILVER, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	2	1.15	1.15	1.3	1.	0.045	0.212	**	**	**	**
49257	URANIUM, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	2 ##	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
49258	MERCURY, DRY WEIGHT, TISSUE/BIOTA, RECV UG/G	09/22/92-09/22/92	2 ##	0.325	0.325	0.6	0.05	0.151	0.389	**	**	**	**
49261	ALPHA-BHC,D6, WET WT.,TISSUE,WHOLE ORG,RECV %	09/22/92-09/22/92	2 ##	28.	28.	56.	0.	1568.	39.598	**	**	**	**
49264	BIPHENYL,3,5-DICHLORO-,WET WT,TISS,WHL ORG,RECV %	09/22/92-09/22/92	2 ##	45.	45.	90.	0.	4050.	63.64	**	**	**	**
49266	CARBON,ORGANIC,DRY WEIGHT,SEDIMENT,RECV,SIEVE	09/22/92-09/22/92	1	4.58	4.58	4.58	4.58	0.	0.	**	**	**	**
49267	CARBON,ORGANIC+INORGANIC,DRYWT,RECV,SIEVE	09/22/92-09/22/92	1	5.47	5.47	5.47	5.47	0.	0.	**	**	**	**
49269	CARBON,INORGANIC, DRY WT, SEDIMENT,RECV,SIEVE	09/22/92-09/22/92	1	0.89	0.89	0.89	0.89	0.	0.	**	**	**	**
49273	WATER PRESENT,DRY WT,TISSUE/BIOTA,LIVER,RECV UG/G	09/22/92-09/22/92	2	78.1	78.1	78.4	77.8	0.18	0.424	**	**	**	**
49274	TITANIUM, DRY WT, SIEVE	09/22/92-09/22/92	1	0.26	0.26	0.26	0.26	0.	0.	**	**	**	**
49275	ALPHA-BHC,D6, DRY WT,SIEVE	09/22/92-09/22/92	1	76.	76.	76.	76.	0.	0.	**	**	**	**
49276	OCTACHLOROBIPHENYL,DRY WT,SIEVE	09/22/92-09/22/92	1	36.	36.	36.	36.	0.	0.	**	**	**	**
49277	BIPHENYL,3,5-DICHLORO-,DRY WT,SIEVE	09/22/92-09/22/92	1	70.	70.	70.	70.	0.	0.	**	**	**	**
49289	LIPIDS, WET WEIGHT, TISSUE, WHOLE ORGANISM,RECV %	09/22/92-09/22/92	2	4.5	4.5	4.6	4.4	0.02	0.141	**	**	**	**
49316	NONACHLOR,CIS-,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49317	NONACHLOR,TRANS-,DRY WT,SEDIMENT,SIEVE	09/22/92-09/22/92	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
49318	OXYCHLORDANE,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49319	ALDRIN,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49320	CHLORDANE, CIS-,DRY WT,SEDIMENT,SIEVE	09/22/92-09/22/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49321	CHLORDANE,TRANS-,DRY WT,SEDIMENT,SIEVE	09/22/92-09/22/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49322	CHLORONEB,DRY WT,SEDIMENT,SIEVE	09/22/92-09/22/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49324	DCPA,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49325	DDD,O,P'-,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49326	DDD,P,P'-,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
49327	DDE,O,P'-,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49328	DDE,P,P'-,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
49329	DDT,O,P'-,DRY WT,SEDIMENT,SIEVE	09/22/92-09/22/92	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
49330	DDT,P,P'-,DRY WT,SEDIMENT,SIEVE	09/22/92-09/22/92	1	140.	140.	140.	140.	0.	0.	**	**	**	**
49331	DIELDRIN,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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

Parameter Inventory for Station: ALPO0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
49332	ENDOSULFAN I,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49335	ENDRIN,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
49338	ALPHA-BHC,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49339	BETA-BHC,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49341	HEPTACHLOR,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49342	HEPTACHLOR EPOXIDE,DRY WT,SEDIMENT,SIEVE	09/22/92-09/22/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49343	HEXACHLOROBENZENE,DRY WT,SEDIMENT,SIEVE	09/22/92-09/22/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49344	ISODRIN,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49345	LINDANE,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49346	METHOXYCHLOR,P,P'-,DRY WT,SED,SIEVE	09/22/92-09/22/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49347	METHOXYCHLOR,O,P'-,DRY WT,SED,SIEVE	09/22/92-09/22/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49348	MIREX,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49349	PERMETHRIN,CIS-,DRY WT,SED,SIEVE	09/22/92-09/22/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49350	PERMETHRIN,TRANS-,DRY WT,SED,SIEVE	09/22/92-09/22/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49351	TOXAPHENE,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
49353	ALDRIN,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49354	PCB, WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2	102.	102.	120.	84.	648.	25.456	**	**	**	**
49355	TOXAPHENE, WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
49356	PENTACHLOROANISOLE,WET WT,TISS,WHOLE ORG,RECVUG/KG	09/22/92-09/22/92	2 ##	5.55	5.55	8.6	2.5	18.605	4.313	**	**	**	**
49357	OXYCHLORDANE,WET WT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49358	NONACHLOR,TRANS-,WET WT,TISS,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49359	NONACHLOR,CIS-,WET WT,TISS,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49360	MIREX,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49361	METHOXYCHLOR,P,P'-,WET WT,TISS,WHOLE ORG,RECVUG/KG	09/22/92-09/22/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49362	METHOXYCHLOR,O,P'-,WET WT,TISS,WHOLE ORG,RECVUG/KG	09/22/92-09/22/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49363	LINDANE,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49364	DELTA-BHC,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49365	BETA-BHC,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49366	ALPHA-BHC,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49367	HEXACHLOROBENZENE,WET WT,TISS,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49368	HEPTACHLOR EPOXIDE,WET WT,TISS,WHOLE ORG,RECVUG/KG	09/22/92-09/22/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49369	HEPTACHLOR,WET WT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49370	ENDRIN,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49371	DIELDRIN,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2 ##	4.7	4.7	6.9	2.5	9.68	3.111	**	**	**	**
49372	DDE,P,P',WET WT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2	28.5	28.5	31.	26.	12.5	3.536	**	**	**	**
49373	DDE,O,P'-,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49374	DDD,O,P'-,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49375	DDD,P,P'-,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2 ##	5.4	5.4	8.3	2.5	16.82	4.101	**	**	**	**
49376	DDT,P,P',WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49377	DDT,O,P',WET WT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49378	DCPA,WET WEIGHT,TISSUE,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49379	CHLORDANE,TRANS-,WET WT,TISS,WHOLE ORG,RECV UG/KG	09/22/92-09/22/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49380	CHLORDANE,CIS-,WET WEIGHT,TISS,WHOLE ORG,RECVUG/KG	09/22/92-09/22/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49381	DIBUTYLPHTHALATE,DRY WEIGHT,SED,SIEVE	09/22/92-09/22/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49383	DIETHYLPHTHALATE,DRY WEIGHT,SED,SIEVE	09/22/92-09/22/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49384	DIMETHYLPHTHALATE,DRY WEIGHT,SED,SIEVE	09/22/92-09/22/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49389	METHYLBENZO(A)PYRENE,DRY WT,SED,SIEVE	09/22/92-09/22/92	1	180.	180.	180.	180.	0.	0.	**	**	**	**
49395	TOLUENE, 2,4-DINITRO-,DRY WEIGHT,SIEVE	09/22/92-09/22/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49396	TOLUENE, 2,6-DINITRO-,DRY WEIGHT,SIEVE	09/22/92-09/22/92	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
49397	BENZO(K)FLUORANTHENE,DRY WEIGHT,SIEVE	09/22/92-09/22/92	1	170.	170.	170.	170.	0.	0.	**	**	**	**
49401	METHANE, BIS(2-CHLOROETHOXY),DRY WT,SEV	09/22/92-09/22/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49407	NAPHTHALENE, 2-CHLORO-,DRY WT,SIEVE	09/22/92-09/22/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49408	BENZO(G,H,I)PERYLENE,DRY WEIGHT,SIEVE	09/22/92-09/22/92	1	83.	83.	83.	83.	0.	0.	**	**	**	**
49426	PHTHALATE, BIS(2-ETHYLHEXYL)-,DRY WT,SEV	09/22/92-09/22/92	1	310.	310.	310.	310.	0.	0.	**	**	**	**
49427	PHTHALATE, BUTYL BENZYL, DRY WT,SED,SEV	09/22/92-09/22/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49434	ANTHRACENE,DRY WEIGHT,SED,SIEVE	09/22/92-09/22/92	1	74.	74.	74.	74.	0.	0.	**	**	**	**
49436	BENZ(A)ANTHRACENE,DRY WEIGHT,SED,SIEVE	09/22/92-09/22/92	1	160.	160.	160.	160.	0.	0.	**	**	**	**
49438	BENZENE, 1,2,4-TRICHLORO-,DRY WT,SED,SEV	09/22/92-09/22/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49439	BENZENE, O-DICHLORO-,SED,SIEVE	09/22/92-09/22/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49441	BENZENE, M-DICHLORO-,DRY WT,SED,SIEVE	09/22/92-09/22/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49442	BENZENE, P-DICHLORO-,DRY WT,SED,SIEVE	09/22/92-09/22/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49446	BENZENE,PENTACHLORONITRO-,DRY WT,SIEVE	09/22/92-09/22/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49450	CHRYSENE,DRY WEIGHT,SEDIMENT,SIEVE	09/22/92-09/22/92	1	190.	190.	190.	190.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: ALPO0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
49454	BROMOPHENYL, 4-PHENYL ETHER,SED,SIEVE	09/22/92-09/22/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49455	CHLOROPHENYL,4-PHENYL ETHER,SED,SIEVE	09/22/92-09/22/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49458	BENZO(B)FLUORANTHENE,DRY WT,SIEVE	09/22/92-09/22/92	1	210.	210.	210.	210.	0.	0.	**	**	**	**
49459	PCB,DRY WEIGHT,BED MATERIAL,SIEVE	09/22/92-09/22/92	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
49460	PENTACHLOROANISOLE,DRY WT,BED MAT,SIEVE	09/22/92-09/22/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49461	DIBENZ(A,H)ANTHRACENE,DRY WT,SIEVE	09/22/92-09/22/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49465	VANADIUM,BIOTA,TISSUE,LIVER,DRY WEIGHT,RECV UG/G	09/22/92-09/22/92	2	0.45	0.45	0.5	0.4	0.005	0.071	**	**	**	**
70957	CHLOROPHYLL-A,PERIPHYTON UG/L,CHROMO-FLUORO	07/21/93-07/21/93	1	18.	18.	18.	18.	0.	0.	**	**	**	**
70958	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-FLUORO	07/21/93-07/21/93	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
80157	BED MATERIAL FALL DIAMETER, % FINER THAN .004MM	09/22/92-09/22/92	1	5.	5.	5.	5.	0.	0.	**	**	**	**
80164	BED MATERIAL SIEVE DIAMETER,% FINER THAN .062MM	09/22/92-09/22/92	1	12.	12.	12.	12.	0.	0.	**	**	**	**
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	09/22/92-09/22/92	1	84.	84.	84.	84.	0.	0.	**	**	**	**
81380	VELOCITY OF DISCHARGE, METERS/SECOND	07/21/93-07/21/93	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0003

				Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0004

NPS Station ID: ALPO0004
LAT/LON: 40.468060/ -78.414726
Agency: 21PA
Date Created: 09/26/87
Location: SPRING/LOGAN #261016
FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/SPRING/SUPPLY/NET
STORET Station ID(s): GWNS11A016 /BASIN261-016
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050302
Depth of Water: 0
Aquifer:
Major Basin: SUSQUEHANNA RIVER BASIN
Elevation: 0
Water Body Id: 347KRTL
Minor Basin: UPPER JUNIATA
ECO Region:
RF1 Index: 02050302
RF1 Mile Point: 0.000
Distance from RF1: 31.30
On/Off RF1:
RF3 Index: 02050302001304.57
RF3 Mile Point: 4.79
Distance from RF3: 0.11
On/Off RF3:
Description:
PRIMARY STATION CODE - GWNS11A016; ELEVATION - 1060'; 7.5' QUADRANGLE NAME - HOLLIDAYSBURG;
SPRING FLOW PERMANENCE - PERENNIAL;

Parameter Inventory for Station: ALPO0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	04/23/87-08/15/96	21	7.5	7.414	7.9	6.8	0.078	0.28	7.02	7.2	7.65	7.7
00403	CONVERTED PH, LAB, STANDARD UNITS	04/23/87-08/15/96	21	7.5	7.323	7.9	6.8	0.087	0.295	7.02	7.2	7.65	7.7
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/23/87-08/15/96	21	0.032	0.047	0.158	0.013	0.001	0.035	0.02	0.023	0.063	0.096
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/23/87-08/15/96	21	204.	198.095	234.	148.	550.99	23.473	162.8	182.	218.	225.6
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/23/87-08/15/96	21	408.	393.429	552.	18.	11487.257	107.179	310.8	346.	454.	512.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/23/87-08/15/96	21 ##	0.01	0.011	0.02	0.01	0.	0.004	0.01	0.01	0.01	0.02
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/23/87-08/15/96	21 ##	0.002	0.002	0.002	0.002	0.	0.	0.002	0.002	0.002	0.002
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/23/87-08/15/96	21	2.77	2.713	3.63	1.89	0.243	0.492	2.02	2.235	3.08	3.372
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/16/90-08/15/96	11	0.03	0.033	0.05	0.02	0.	0.009	0.02	0.03	0.04	0.048
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/23/87-08/15/96	15 ##	0.5	2.38	25.8	0.5	42.056	6.485	0.5	0.5	1.1	11.04
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/23/87-08/15/96	21	257.	258.714	312.	200.	922.114	30.366	207.4	236.5	281.5	302.8
00916	CALCIUM, TOTAL (MG/L AS CA)	04/23/87-08/15/96	19	85.1	82.232	102.	56.6	133.873	11.57	68.7	71.7	90.9	98.3
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/23/87-08/15/96	19	18.	17.468	23.6	12.2	7.889	2.809	13.5	15.2	18.9	21.4
00929	SODIUM, TOTAL (MG/L AS NA)	04/23/87-08/15/96	21	18.3	18.233	23.7	14.09	7.165	2.677	14.5	16.2	19.4	23.04
00937	POTASSIUM, TOTAL MG/L AS K)	04/23/87-08/15/96	21	1.55	1.583	2.26	1.07	0.054	0.233	1.412	1.46	1.68	1.89
00940	CHLORIDE,TOTAL IN WATER MG/L	04/23/87-08/15/96	21	36.	37.524	48.	31.	24.362	4.936	32.	33.	41.5	45.
00945	SULFATE, TOTAL (MG/L AS SO4)	04/23/87-08/15/96	21	58.	58.381	80.	47.	56.748	7.533	51.	53.	63.5	67.2
00956	SILICA, TOTAL (MG/L AS SI02)	07/16/90-08/15/96	11	7.5	7.645	8.8	6.1	0.811	0.9	6.24	6.9	8.5	8.8
01002	ARSENIC, TOTAL (UG/L AS AS)	04/23/87-08/15/96	15 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01007	BARIUM, TOTAL (UG/L AS BA)	04/23/87-08/15/96	15	42.	43.067	56.	5.	147.352	12.139	24.8	40.	50.	55.4
01027	CADMIUM, TOTAL (UG/L AS CD)	04/23/87-08/15/96	15 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/23/87-08/15/96	15 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	04/23/87-08/15/96	15 ##	5.	7.867	20.	5.	22.838	4.779	5.	5.	11.	17.6
01045	IRON, TOTAL (UG/L AS FE)	04/23/87-08/15/96	20	28.	125.65	1130.	5.	67568.345	259.939	5.	12.5	148.25	431.5
01051	LEAD, TOTAL (UG/L AS PB)	04/23/87-08/15/96	15 ##	2.	1.6	2.	0.5	0.471	0.687	0.5	0.5	2.	2.
01055	MANGANESE, TOTAL (UG/L AS MN)	07/16/90-08/15/96	11 ##	5.	5.727	13.	5.	5.818	2.412	5.	5.	5.	11.4
01092	ZINC, TOTAL (UG/L AS ZN)	04/23/87-08/15/96	15 ##	5.	9.533	39.	5.	101.981	10.099	5.	5.	5.	29.4
71900	MERCURY, TOTAL (UG/L AS HG)	04/23/87-08/15/96	15 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/23/87-08/15/96	21 ##	0.5	0.705	2.8	0.5	0.336	0.58	0.5	0.5	0.5	1.74

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

EPA Water Quality Criteria Analysis for Station: ALPO0004

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	21	0	0.00	8	0	0.00	7	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	21	0	0.00	8	0	0.00	7	0	0.00	6	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	21	0	0.00	8	0	0.00	7	0	0.00	6	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	21	0	0.00	8	0	0.00	7	0	0.00	6	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	21	0	0.00	8	0	0.00	7	0	0.00	6	0	0.00			
		Drinking Water	250.	21	0	0.00	8	0	0.00	7	0	0.00	6	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	21	0	0.00	8	0	0.00	7	0	0.00	6	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	15	0	0.00	6	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	50.	15	0	0.00	6	0	0.00	5	0	0.00	4	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	15	0	0.00	6	0	0.00	5	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												
01034	CHROMIUM, TOTAL	Drinking Water	100.	15	0	0.00	6	0	0.00	5	0	0.00	4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	15	1	0.07	6	1	0.17	5	0	0.00	4	0	0.00			
		Drinking Water	1300.	15	0	0.00	6	0	0.00	5	0	0.00	4	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	15	0	0.00	6	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	15.	15	0	0.00	6	0	0.00	5	0	0.00	4	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	15	0	0.00	6	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	5000.	15	0	0.00	6	0	0.00	5	0	0.00	4	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	15	0	0.00	6	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	2.	15	0	0.00	6	0	0.00	5	0	0.00	4	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	21	0	0.00	8	0	0.00	7	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: ALPO0005

NPS Station ID: ALPO0005
LAT/LON: 40.457781/ -78.427782
Agency: 112WRD
Date Created: / /
Location: SUGAR RUN AT ALTOONA, PA.
FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01555850
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050302
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02050302
RF1 Mile Point: 0.000
Distance from RF1: 23.30
On/Off RF1:
RF3 Index: 02050303024800.00
RF3 Mile Point: 0.85
Distance from RF3: 0.41
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/20/66-09/23/69	7	9.	9.5	16.5	0.	42.417	6.513	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	04/20/66-09/23/69	6	7.5	9.1	19.	0.6	84.7	9.203	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/20/66-01/16/69	6	2.5	2.667	5.	1.	1.867	1.366	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/20/66-09/23/69	7	493.	829.857	1730.	265.	359817.81	599.848	**	**	**	**
00400	PH (STANDARD UNITS)	04/20/66-09/23/69	7	4.1	3.664	4.7	2.5	0.836	0.914	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/20/66-09/23/69	7	4.1	3.042	4.7	2.5	1.287	1.135	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/20/66-09/23/69	7	79.433	907.687	3162.278	19.953	1458593.596	1207.722	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/13/66-04/30/68	4	1.	2.5	8.	0.	14.333	3.786	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/13/66-10/17/67	3	0.	0.667	2.	0.	1.333	1.155	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/13/66-04/30/68	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/20/66-09/23/69	7	204.	194.857	317.	96.	7414.143	86.105	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	04/20/66-09/23/69	7	204.	194.714	317.	96.	7404.238	86.048	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/17/67-09/23/69	4	43.5	43.75	58.	30.	158.917	12.606	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/67-09/23/69	4	32.5	29.5	42.	11.	192.333	13.868	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/20/66-04/20/67	3	10.	10.633	12.	9.9	1.403	1.185	**	**	**	**
00931	SODIUM ADSORPTION RATIO	04/20/66-01/16/69	4	0.45	1.225	3.7	0.3	2.729	1.652	**	**	**	**
00932	SODIUM, PERCENT	04/20/66-01/16/69	4	18.	25.5	57.	9.	459.	21.424	**	**	**	**
00933	SODIUM,PLUS POTASSIUM (MG/L)	01/16/69-01/16/69	1	122.	122.	122.	122.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/20/66-09/23/69	7	7.	7.	10.	4.	4.	2.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/20/66-09/23/69	7	227.	325.571	626.	103.	50471.952	224.66	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/17/67-10/17/67	1	3400.	3400.	3400.	3400.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/17/67-10/17/67	1	16000.	16000.	16000.	16000.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/20/66-01/16/69	3	368.	445.667	742.	227.	70830.333	266.14	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/20/66-01/16/69	3	8.76	16.117	38.5	1.09	390.467	19.76	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/20/66-01/16/69	3	0.5	0.607	1.01	0.31	0.131	0.362	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	04/20/66-09/23/69	7	4.7	3.814	8.7	0.2	12.598	3.549	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/20/66-01/16/69	6	1.55	1.517	3.1	0.	1.55	1.245	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0005

			Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400 PH	Fresh Chronic	9.	7	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00			
	Other-Lo Lim.	6.5	7	7	1.00	3	3	1.00	1	1	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

EPA Water Quality Criteria Analysis for Station: ALPO0005

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	7	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00			
		Drinking Water	250.	7	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	7	3	0.43	3	2	0.67	1	1	1.00	3	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	6	0	0.00	2	0	0.00	1	0	0.00	3	0	0.00			

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

Station Inventory for Station: ALPO0006

NPS Station ID: ALPO0006
LAT/LON: 40.376392/ -78.431948
Agency: 112WRD
Date Created: / /
Location: MCDONALD RUN NR EAST FREEDOM, PA.
FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01555800
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050302
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02050302
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02050302017900.00
RF3 Mile Point: 0.08
Distance from RF3: 0.08
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0006

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/72-06/17/72	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/17/72-06/17/72	1	152.	152.	152.	152.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/17/72-06/17/72	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/17/72-06/17/72	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/72-06/17/72	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0006

				Total	Exceed	Prop.	----------8/01-10/31----------			----------11/01-3/31----------			----------4/01-7/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0007

NPS Station ID: ALPO0007
LAT/LON: 40.467781/ -78.439727
Agency: 112WRD
Date Created: 09/08/79
Location: SUGAR RN NR ALTOONA, PA
FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01555849
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050302
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02050302
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02050302012300.00
RF3 Mile Point: 0.04
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/08/79-08/13/81	6	18.	15.583	19.5	5.	30.642	5.535	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/08/79-08/13/81	6	10.	23.167	95.	2.	1264.967	35.566	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/79-08/13/81	6	300.	309.833	478.	163.	12071.367	109.87	**	**	**	**
00400	PH (STANDARD UNITS)	06/08/79-08/13/81	6	5.05	5.117	6.1	4.3	0.43	0.655	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/08/79-08/13/81	6	5.047	4.794	6.1	4.3	0.555	0.745	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/08/79-08/13/81	6	8.972	16.081	50.119	0.794	352.251	18.768	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/03/81-08/13/81	2	4.5	4.5	4.6	4.4	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/03/81-08/13/81	2	4.489	4.489	4.6	4.4	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/81-08/13/81	2	32.465	32.465	39.811	25.119	107.925	10.389	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/08/79-04/03/81	5	2.	2.1	4.	0.5	1.55	1.245	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/14/79-08/13/81	5	10.	10.	20.	0.	62.5	7.906	**	**	**	**
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	08/21/80-08/21/80	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	08/21/80-08/21/80	1	104.	104.	104.	104.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	08/21/80-08/21/80	1	119.	119.	119.	119.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/08/79-08/13/81	6	110.	110.5	180.	40.	2325.5	48.223	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/14/79-08/14/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/14/79-08/14/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/14/79-08/14/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/14/79-08/14/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/14/79-08/14/79	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	06/08/79-08/13/81	6	1125.	1376.667	2900.	290.	895546.667	946.333	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/08/79-08/13/81	6	1500.	1933.333	4800.	400.	2278666.667	1509.525	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/08/79-08/13/81	6	280.	561.667	1900.	20.	510536.667	714.518	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/14/79-08/14/79	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/14/79-08/14/79	1	770.	770.	770.	770.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/08/79-08/13/81	6	25.	71.667	260.	0.	9696.667	98.472	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/08/79-08/13/81	6	485.	621.667	1200.	330.	103656.667	321.958	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/08/79-08/13/81	6	440.	550.	1200.	300.	107200.	327.414	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/14/79-08/14/79	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/14/79-08/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/14/79-08/14/79	1	26000.	26000.	26000.	26000.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/14/79-08/13/81	5	194.	206.6	330.	105.	8178.3	90.434	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/14/79-08/13/81	5	5.92	8.926	26.9	1.87	104.759	10.235	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/14/79-08/13/81	5	0.26	0.28	0.45	0.14	0.016	0.126	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	08/14/79-08/13/81	5	0.2	0.21	0.4	0.05	0.021	0.143	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/14/79-08/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/08/79-08/13/81	6	27.	49.833	167.	7.	3654.167	60.45	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	06/08/79-08/13/81	6	0.56	7.543	43.	0.17	301.781	17.372	**	**	**	**

** - Less than 9 observations ## - 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: ALPO0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	08/21/80-08/21/80	1	26.	26.	26.	26.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0007

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	6	0	0.00	3	0	0.00				3	0	0.00			
		Other-Lo Lim.	6.5	6	6	1.00	3	3	1.00				3	3	1.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	3	0	0.00				3	0	0.00			

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

Station Inventory for Station: ALPO0008

NPS Station ID: ALPO0008 | LAT/LON: 40.415059/ -78.455837 | Agency: 11NPSWRD | Date Created: 01/31/98
Location: BLAIR GAP RUN BELOW FOOT OF TEN | FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): ALPO_PA_5A
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02050302 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: SUSQUEHANNA RIVER | ECO Region:
RF1 Index: 02050302 | RF1 Mile Point: 0.000 | Distance from RF1: 18.20 | On/Off RF1:
RF3 Index: 02050303019600.00 | RF3 Mile Point: 1.33 | Distance from RF3: 0.38 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE HOLLIDAYSBURG-PA BLAIR COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ON BLAIR GAP RUN BELOW THE FOOT OF TEN INSIDE THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE. THE STATION WAS MEASURED WHEN THE NEARBY TRIBUTARY TO BLAIR GAP RUN HAD GONE DRY. THE DATA ARE FROM A REPORT BY THE PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. THE REPORT IS FROM MARCH 1997 AND IS TITLED "AQUATIC RESOURCES OF THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE FINAL REPORT." THE REPORT HAS AN ADDENDUM WITH ADDITIONAL DATA. THE REPORT IS BY DEAN ARNOLD; BIOLOGICAL RESOURCES DIVISION; USGS; PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT ALLEGHENY PORTAGE RAILROAD NHS; PO BOX 189; CRESSON PA 16630 (814-886-6100). DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (970-225-3516).

Parameter Inventory for Station: ALPO0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	06/25/97-06/25/97	1	85.	85.	85.	85.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/25/97-06/25/97	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/25/97-06/25/97	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/97-06/25/97	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	06/25/97-06/25/97	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/25/97-06/25/97	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/25/97-06/25/97	1	2.5	2.5	2.5	2.5	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: ALPO0008

			Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403 PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

& - 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: ALPO0008

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0009

NPS Station ID: ALPO0009
LAT/LON: 40.415059/ -78.455837
Agency: 11NPSWRD
Date Created: 01/31/98
Location: TRIBUTARY BELOW FOOT OF TEN
FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): ALPO_PA_5
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02050302
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: SUSQUEHANNA RIVER
ECO Region:
RF1 Index: 02050302
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE HOLLIDAYSBURG-PA BLAIR COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ON A TRIBUTARY TO BLAIR GAP RUN BELOW THE FOOT OF TEN INSIDE THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE. THE DATA ARE FROM A REPORT BY THE PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. THE REPORT IS FROM MARCH 1997 AND IS TITLED "AQUATIC RESOURCES OF THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE FINAL REPORT." THE REPORT HAS AN ADDENDUM WITH ADDITIONAL DATA. THE REPORT IS BY DEAN ARNOLD; BIOLOGICAL RESOURCES DIVISION; USGS; PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT ALLEGHENY PORTAGE RAILROAD NHS; PO BOX 189; CRESSON PA 16630 (814-886-6100). DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (970-225-3516).

Parameter Inventory for Station: ALPO0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/97-03/07/97	1	73.	73.	73.	73.	0.	0.	**	**	**	**
00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	03/07/97-03/07/97	1	75.	75.	75.	75.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/15/96-03/07/97	3	6.4	6.367	6.5	6.2	0.023	0.153	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/15/96-03/07/97	3	6.4	6.348	6.5	6.2	0.024	0.154	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/96-03/07/97	3	0.398	0.448	0.631	0.316	0.027	0.163	**	**	**	**
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/15/96-03/07/97	3	7.	7.	8.	6.	1.	1.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/07/97-03/07/97	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
30208	FLOW (CUBIC METERS / SEC) CMS	05/15/96-03/07/97	2	0.342	0.342	0.62	0.064	0.155	0.393	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/07/97-03/07/97	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0009

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				1	1	1.00	2	2	1.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: ALPO0010

NPS Station ID: ALPO0010 LAT/LON: 40.481392/ -78.467781 Agency: 21PA Date Created: 09/26/87
Location: ALTOONA WATER PLANT SPRING/LOGAN #261020 FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/SPRING/SUPPLY/NET STORET Station ID(s): GWNS11A020 /341CSKL-1321/BASIN261-020
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02050302 Depth of Water: 0 Aquifer:
Major Basin: SUSQUEHANNA RIVER BASIN Elevation: 0 Water Body Id:
Minor Basin: UPPER JUNIATA ECO Region:
RF1 Index: 02050302 RF1 Mile Point: 0.000 Distance from RF1: 36.00 On/Off RF1:
RF3 Index: 02050302012300.00 RF3 Mile Point: 0.93 Distance from RF3: 0.02 On/Off RF3:
Description:
PRIMARY STATION CODE - GWNS11A020; ELEVATION - 1400'; 7.5' QUADRANGLE NAME - HOLLIDAYSBURG;
AQUIFER NAME - CATSKILL FORMATION; SPRING FLOW PERMANENCE - PERENNIAL;

Parameter Inventory for Station: ALPO0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	04/09/87-11/06/96	22	5.9	5.886	7.	5.5	0.1	0.317	5.5	5.7	6.	6.17
00403	CONVERTED PH, LAB, STANDARD UNITS	04/09/87-11/06/96	22	5.9	5.807	7.	5.5	0.107	0.327	5.5	5.7	6.	6.17
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/87-11/06/96	22	1.259	1.559	3.162	0.1	0.7	0.836	0.68	1.	1.995	3.162
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/09/87-11/06/96	22	7.	11.227	104.	4.	432.755	20.803	4.	5.75	8.	10.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/09/87-11/06/96	22	55.	62.682	232.	1.	2243.751	47.368	19.8	37.5	73.	124.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/09/87-11/06/96	22 ##	0.01	0.011	0.03	0.005	0.	0.005	0.01	0.01	0.01	0.017
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/09/87-11/06/96	22 ##	0.002	0.002	0.002	0.002	0.	0.	0.002	0.002	0.002	0.002
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/09/87-11/06/96	22	0.65	0.784	1.56	0.42	0.112	0.335	0.466	0.518	1.02	1.39
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/90-11/06/96	12	0.02	0.027	0.09	0.01	0.	0.022	0.01	0.013	0.03	0.075
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/09/87-11/06/96	16 ##	0.5	0.694	3.1	0.5	0.427	0.654	0.5	0.5	0.5	1.63
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/09/87-11/06/96	22	22.	22.818	44.	11.	37.489	6.123	18.3	19.	24.25	29.5
00916	CALCIUM, TOTAL (MG/L AS CA)	04/09/87-11/06/96	22	4.85	5.909	27.3	4.	23.191	4.816	4.09	4.4	5.525	6.16
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/09/87-11/06/96	22	2.35	2.714	10.2	2.	2.871	1.694	2.	2.1	2.55	2.98
00929	SODIUM, TOTAL (MG/L AS NA)	04/09/87-11/06/96	22	1.475	1.924	10.1	1.06	3.463	1.861	1.192	1.335	1.64	2.577
00937	POTASSIUM, TOTAL MG/L AS K)	04/09/87-11/06/96	22	1.09	1.275	3.46	0.86	0.361	0.601	0.91	0.93	1.25	2.171
00940	CHLORIDE,TOTAL IN WATER MG/L	04/09/87-11/06/96	22	2.	2.409	6.	1.	1.015	1.008	1.3	2.	3.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	04/09/87-11/06/96	22	17.	16.273	28.	5.	48.113	6.936	5.	10.	22.25	25.4
00956	SILICA, TOTAL (MG/L AS SI02)	07/17/90-11/06/96	12	8.05	9.583	22.9	6.6	20.822	4.563	6.63	7.25	9.075	20.08
01002	ARSENIC, TOTAL (UG/L AS AS)	04/09/87-11/06/96	16 ##	2.	3.438	22.	2.	25.063	5.006	2.	2.	2.	10.1
01007	BARIUM, TOTAL (UG/L AS BA)	04/09/87-11/06/96	16	52.	68.063	231.	40.	2222.596	47.144	44.9	49.	60.5	154.7
01027	CADMIUM, TOTAL (UG/L AS CD)	04/09/87-11/06/96	16 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/09/87-11/06/96	16 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	04/09/87-11/06/96	16 ##	5.	7.	24.	5.	25.467	5.046	5.	5.	5.	15.6
01045	IRON, TOTAL (UG/L AS FE)	04/09/87-11/06/96	22	29.	765.636	9290.	5.	5526126.528	2350.771	5.	10.25	109.5	4638.4
01051	LEAD, TOTAL (UG/L AS PB)	04/09/87-11/06/96	16 ##	2.	1.531	2.	0.5	0.516	0.718	0.5	0.5	2.	2.
01055	MANGANESE, TOTAL (UG/L AS MN)	07/17/90-11/06/96	12 ##	5.	34.833	274.	5.	6236.879	78.974	5.	5.	9.5	218.2
01092	ZINC, TOTAL (UG/L AS ZN)	04/09/87-11/06/96	16 ##	5.	10.875	45.	5.	138.517	11.769	5.	5.	13.75	36.6
71900	MERCURY, TOTAL (UG/L AS HG)	04/09/87-11/06/96	16 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/09/87-11/06/96	22 ##	0.5	4.055	56.	0.5	152.037	12.33	0.5	0.5	0.5	15.11

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

EPA Water Quality Criteria Analysis for Station: ALPO0010

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	22	0	0.00	10	0	0.00	5	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	22	21	0.95	10	9	0.90	5	5	1.00	7	7	1.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	22	0	0.00	10	0	0.00	5	0	0.00	7	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	22	0	0.00	10	0	0.00	5	0	0.00	7	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	22	0	0.00	10	0	0.00	5	0	0.00	7	0	0.00			
		Drinking Water	250.	22	0	0.00	10	0	0.00	5	0	0.00	7	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	22	0	0.00	10	0	0.00	5	0	0.00	7	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	16	0	0.00	6	0	0.00	4	0	0.00	6	0	0.00			
		Drinking Water	50.	16	0	0.00	6	0	0.00	4	0	0.00	6	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	16	0	0.00	6	0	0.00	4	0	0.00	6	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	16	0	0.00	6	0	0.00	4	0	0.00	6	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	16	1	0.06	6	1	0.17	4	0	0.00	6	0	0.00			
		Drinking Water	1300.	16	0	0.00	6	0	0.00	4	0	0.00	6	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	16	0	0.00	6	0	0.00	4	0	0.00	6	0	0.00			
		Drinking Water	15.	16	0	0.00	6	0	0.00	4	0	0.00	6	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	16	0	0.00	6	0	0.00	4	0	0.00	6	0	0.00			
		Drinking Water	5000.	16	0	0.00	6	0	0.00	4	0	0.00	6	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	16	0	0.00	6	0	0.00	4	0	0.00	6	0	0.00			
		Drinking Water	2.	16	0	0.00	6	0	0.00	4	0	0.00	6	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	22	1	0.05	10	1	0.10	5	0	0.00	7	0	0.00			

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

Station Inventory for Station: ALPO0011

NPS Station ID: ALPO0011
LAT/LON: 40.419170/ -78.478615
Agency: 112WRD
Date Created: 09/08/79
Location: BLAIRS GAP RUN NEAR FOOT OF TEN, PA
FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01555855
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050302
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02050302
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02050302012600.00
RF3 Mile Point: 0.49
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/08/79-08/13/81	5	19.	15.6	22.	5.	51.425	7.171	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/08/79-08/13/81	5	14.	48.16	176.	0.8	5318.928	72.931	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/79-08/13/81	5	108.	114.2	144.	94.	488.2	22.095	**	**	**	**
00400	PH (STANDARD UNITS)	06/08/79-08/13/81	5	7.2	7.06	7.5	6.5	0.143	0.378	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/08/79-08/13/81	5	7.2	6.921	7.5	6.5	0.167	0.409	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/08/79-08/13/81	5	0.063	0.12	0.316	0.032	0.013	0.115	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/03/81-08/13/81	2	6.75	6.75	6.9	6.6	0.045	0.212	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/03/81-08/13/81	2	6.725	6.725	6.9	6.6	0.046	0.215	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/81-08/13/81	2	0.189	0.189	0.251	0.126	0.008	0.089	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/08/79-08/13/81	5	18.	20.6	36.	10.	125.8	11.216	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	04/01/80-04/01/80	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	08/21/80-08/21/80	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	08/21/80-08/21/80	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	08/21/80-08/21/80	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/08/79-08/13/81	5	15.	16.8	22.	14.	10.7	3.271	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	06/08/79-08/13/81	5	280.	398.	900.	210.	80920.	284.464	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/08/79-08/13/81	5	350.	672.	2000.	240.	559170.	747.777	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/08/79-08/13/81	5	30.	273.	1100.	5.	219795.	468.823	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/08/79-04/03/81	4	10.	15.	40.	0.	300.	17.321	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/08/79-08/13/81	5	40.	82.	260.	20.	10020.	100.1	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/08/79-08/13/81	5	30.	296.	1400.	5.	381117.5	617.347	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/01/80-08/13/81	4	67.5	67.5	79.	56.	148.333	12.179	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	04/01/80-08/13/81	4	4.045	8.965	27.6	0.17	160.519	12.67	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	04/01/80-08/13/81	4	0.09	0.093	0.11	0.08	0.	0.015	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	04/01/80-04/01/80	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/08/79-08/13/81	5	30.	80.2	330.	3.	19653.2	140.19	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	06/08/79-08/13/81	5	0.77	31.864	157.	0.02	4893.642	69.955	**	**	**	**
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	08/21/80-08/21/80	1	17.	17.	17.	17.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0011

Parameter				Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	5	0	0.00	2	0	0.00				3	0	0.00			
		Other-Lo Lim.	6.5	5	1	0.20	2	0	0.00				3	1	0.33			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	2	0	0.00				3	0	0.00			

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

Station Inventory for Station: ALPO0012

NPS Station ID: ALPO0012
LAT/LON: 40.498337/ -78.484449
Agency: 112WRD
Date Created: 09/22/79
Location: KITTANING CREEK NEAR ALTOONA, PA
FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01555835
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050302
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02050302
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02050302001003.49
RF3 Mile Point: 3.49
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/08/79-08/13/81	6	17.	14.5	19.	6.	24.7	4.97	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/08/79-08/13/81	6	7.5	19.667	85.	1.	1051.867	32.432	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/79-08/13/81	6	750.	755.833	1200.	125.	148004.167	384.713	**	**	**	**
00400	PH (STANDARD UNITS)	06/08/79-08/13/81	6	3.05	3.258	4.6	2.6	0.484	0.696	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/08/79-08/13/81	6	3.047	3.003	4.6	2.6	0.562	0.75	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/08/79-08/13/81	6	897.164	992.423	2511.886	25.119	708370.584	841.648	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/03/81-08/13/81	2	3.05	3.05	3.1	3.	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/03/81-08/13/81	2	3.047	3.047	3.1	3.	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/81-08/13/81	2	897.164	897.164	1000.	794.328	21150.438	145.432	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/08/79-08/21/80	3	0.5	0.5	1.	0.	0.25	0.5	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/14/79-08/13/81	5	164.	169.8	288.	10.	11651.2	107.941	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/08/79-08/13/81	6	255.	269.667	480.	38.	23544.667	153.443	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	06/08/79-08/13/81	6	95.	2698.333	15000.	0.	36470016.667	6039.041	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/08/79-08/13/81	6	15500.	15300.	28000.	800.	81020000.	9001.111	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/08/79-08/13/81	6	13500.	12685.	28000.	610.	110233350.	10499.207	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/08/79-08/13/81	6	0.	116.667	400.	0.	33666.667	183.485	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/08/79-08/13/81	6	4050.	4208.333	7600.	650.	5708416.667	2389.229	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/08/79-08/13/81	6	4150.	4150.	7200.	700.	5347000.	2312.358	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/14/79-08/13/81	5	440.	464.6	756.	81.	76252.8	276.139	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/14/79-08/13/81	5	5.85	8.03	18.6	2.66	41.417	6.436	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/14/79-08/13/81	5	0.6	0.634	1.03	0.11	0.141	0.376	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	08/14/79-08/13/81	5	3.3	3.42	5.8	0.2	4.732	2.175	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/08/79-08/13/81	6	14.5	14.167	23.	8.	29.367	5.419	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	06/08/79-08/13/81	6	0.295	0.833	3.4	0.03	1.694	1.301	**	**	**	**
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	08/13/81-08/13/81	1	11.	11.	11.	11.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0012

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	6	0	0.00	3	0	0.00				3	0	0.00			
		Other-Lo Lim.	6.5	6	6	1.00	3	3	1.00				3	3	1.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			

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

EPA Water Quality Criteria Analysis for Station: ALPO0012

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	4	0.67	3	3	1.00				3	1	0.33			

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

Station Inventory for Station: ALPO0013

NPS Station ID: ALPO0013
LAT/LON: 40.418949/ -78.485727
Agency: 11NPSWRD
Date Created: 01/31/98
Location: PICNIC AREA ABOVE FOOT OF TEN
FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): ALPO_PA_6
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02050302
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: SUSQUEHANNA RIVER
ECO Region:
RF1 Index: 02050302
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE HOLLIDAYSBURG-PA BLAIR COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE SITE IS NEAR THE PICNIC AREA ABOVE THE FOOT OF TEN ON A TRIBUTARY TO THE BLAIR GAP RUN RIVER INSIDE THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE.
THE DATA ARE FROM A REPORT BY THE PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. THE REPORT IS FROM MARCH 1997 AND IS TITLED "AQUATIC RESOURCES OF THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE FINAL REPORT." THE REPORT HAS AN ADDENDUM WITH ADDITIONAL DATA. THE REPORT IS BY DEAN ARNOLD; BIOLOGICAL RESOURCES DIVISION; USGS; PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT ALLEGHENY PORTAGE RAILROAD NHS; PO BOX 189; CRESSON PA 16630 (814-886-6100). DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (970-225-3516).

Parameter Inventory for Station: ALPO0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/97-06/25/97	2	56.	56.	57.	55.	2.	1.414	**	**	**	**
00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	03/07/97-06/25/97	2	50.	50.	57.	43.	98.	9.899	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/15/96-06/25/97	4	6.1	6.15	6.4	6.	0.03	0.173	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/15/96-06/25/97	4	6.1	6.127	6.4	6.	0.031	0.175	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/96-06/25/97	4	0.794	0.747	1.	0.398	0.063	0.252	**	**	**	**
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/15/96-06/25/97	4	6.5	6.175	11.	0.7	21.989	4.689	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/07/97-06/25/97	2	0.007	0.007	0.01	0.003	0.	0.005	**	**	**	**
30208	FLOW (CUBIC METERS / SEC) CMS	05/23/96-06/25/97	3	0.038	0.09	0.232	0.	0.015	0.124	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/07/97-06/25/97	2	8.3	8.3	14.	2.6	64.98	8.061	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0013

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00				1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				1	1	1.00	3	3	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: ALPO0014

NPS Station ID: ALPO0014
LAT/LON: 40.496393/ -78.486115
Agency: 112WRD
Date Created: 09/08/79
Location: GLENWHITE RUN NEAR ALTOONA, PA
FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01555831
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050302
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02050302
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02050302000917.20
RF3 Mile Point: 20.76
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/08/79-08/13/81	6	16.	13.833	18.	6.5	23.467	4.844	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/08/79-08/13/81	6	10.	13.833	42.	2.	222.967	14.932	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/79-08/13/81	6	309.5	314.833	473.	174.	15158.967	123.122	**	**	**	**
00400	PH (STANDARD UNITS)	06/08/79-08/13/81	6	4.15	4.033	4.6	3.4	0.179	0.423	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/08/79-08/13/81	6	4.147	3.86	4.6	3.4	0.215	0.463	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/08/79-08/13/81	6	71.264	138.063	398.107	25.119	19766.951	140.595	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/03/81-08/13/81	2	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/03/81-08/13/81	2	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/81-08/13/81	2	39.811	39.811	39.811	39.811	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/08/79-08/21/80	3	0.	0.167	0.5	0.	0.083	0.289	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/14/79-08/13/81	5	30.	37.	70.	15.	457.5	21.389	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/08/79-08/13/81	6	102.	106.667	160.	58.	1463.467	38.255	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	06/08/79-08/13/81	6	145.	688.333	1900.	30.	812696.667	901.497	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/08/79-08/13/81	6	970.	2341.667	8900.	470.	10708936.667	3272.451	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/08/79-08/13/81	6	630.	1653.333	7100.	300.	7167746.667	2677.265	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/08/79-08/13/81	6	0.	70.	400.	0.	26200.	161.864	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/08/79-08/13/81	6	1600.	1773.333	2900.	940.	485066.667	696.467	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/08/79-08/13/81	6	1650.	1803.333	2700.	920.	464866.667	681.811	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/14/79-08/13/81	5	226.	201.2	267.	100.	5295.7	72.772	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/14/79-08/13/81	5	3.84	7.33	25.6	1.23	106.575	10.324	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/14/79-08/13/81	5	0.31	0.276	0.36	0.14	0.01	0.098	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	08/14/79-08/13/81	5	0.6	0.74	1.4	0.3	0.183	0.428	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/08/79-08/13/81	6	2.5	20.833	111.	1.	1954.167	44.206	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	06/08/79-08/13/81	6	0.095	2.23	13.	0.01	27.843	5.277	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0014

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	6	0	0.00	3	0	0.00				3	0	0.00			
		Other-Lo Lim.	6.5	6	6	1.00	3	3	1.00				3	3	1.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			

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

EPA Water Quality Criteria Analysis for Station: ALPO0014

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	3	0	0.00				3	0	0.00			

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

Station Inventory for Station: ALPO0015

NPS Station ID: ALPO0015 LAT/LON: 40.419337/ -78.487031 Agency: 11NPSWRD Date Created: 01/31/98
Location: MARSHY TRIBUTARY UNDER PICNIC AREA ROAD FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ALPO_PA_PICNIC
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02050302 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: SUSQUEHANNA RIVER ECO Region:
RF1 Index: 02050302 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE HOLLIDAYSBURG-PA BLAIR COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A MARSHY TRIBUTARY TO BLAIR GAP RUN UNDER THE PICNIC AREA ROAD. THE SITE IS LOCATED INSIDE THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE.
THE DATA ARE FROM A REPORT BY THE PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. THE REPORT IS FROM MARCH 1997 AND IS TITLED "AQUATIC RESOURCES OF THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE FINAL REPORT." THE REPORT HAS AN ADDENDUM WITH ADDITIONAL DATA. THE REPORT IS BY DEAN ARNOLD; BIOLOGICAL RESOURCES DIVISION; USGS; PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT ALLEGHENY PORTAGE RAILROAD NHS; PO BOX 189; CRESSON PA 16630 (814-886-6100). DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (970-225-3516).

Parameter Inventory for Station: ALPO0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	05/15/96-05/15/96	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/15/96-05/15/96	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/96-05/15/96	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/15/96-05/15/96	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

EPA Water Quality Criteria Analysis for Station: ALPO0015

				Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			

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

Station Inventory for Station: ALPO0016

NPS Station ID: ALPO0016 LAT/LON: 40.440560/ -78.488337 Agency: 21PA Date Created: 09/26/87
Location: DUNCANSVILLE RES. SPRING/ALLEGHENY #261024 FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/SPRING/SUPPLY/NET STORET Station ID(s): GWNS11A024 /341CSKL-1323/BASIN261-024
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02050302 Depth of Water: 0 Aquifer:
Major Basin: SUSQUEHANNA RIVER BASIN Elevation: 0 Water Body Id:
Minor Basin: UPPER JUNIATA ECO Region:
RF1 Index: 02050302 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02050302012802.01 RF3 Mile Point: 2.09 Distance from RF3: 0.13 On/Off RF3:
Description:
PRIMARY STATION CODE - GWNS11A024; ELEVATION - 1445'; 7.5' QUADRANGLE NAME - HOLLIDAYSBURG;
AQUIFER NAME - CATSKILL FORMATION; SPRING FLOW PERMANENCE - PERENNIAL;

Parameter Inventory for Station: ALPO0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	04/22/87-09/06/96	22	6.35	6.35	8.	5.5	0.289	0.538	5.73	5.975	6.5	7.14
00403	CONVERTED PH, LAB, STANDARD UNITS	04/22/87-09/06/96	22	6.347	6.128	8.	5.5	0.341	0.584	5.73	5.975	6.5	7.14
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/22/87-09/06/96	22	0.45	0.744	3.162	0.01	0.547	0.74	0.074	0.316	1.065	1.872
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/22/87-09/06/96	22	10.	15.545	126.	3.	621.974	24.939	6.	7.75	15.	16.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/22/87-09/06/96	22	68.	149.091	1856.	16.	145860.087	381.916	37.2	57.	85.	107.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/22/87-09/06/96	22 ##	0.01	0.011	0.02	0.01	0.	0.004	0.01	0.01	0.01	0.02
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/22/87-09/06/96	22 ##	0.002	0.002	0.006	0.002	0.	0.001	0.002	0.002	0.002	0.003
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/22/87-09/06/96	22	1.425	1.46	2.51	0.78	0.125	0.354	1.033	1.26	1.615	1.83
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/90-09/06/96	12	0.03	0.052	0.22	0.01	0.004	0.06	0.01	0.02	0.065	0.187
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/22/87-09/06/96	16 ##	0.5	0.575	1.7	0.5	0.09	0.3	0.5	0.5	0.5	0.86
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/22/87-09/06/96	22	26.	27.318	57.	10.	82.132	9.063	18.	23.	29.25	38.4
00916	CALCIUM, TOTAL (MG/L AS CA)	04/22/87-09/06/96	22	7.3	7.323	11.9	4.3	2.176	1.475	5.66	6.6	8.05	8.84
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/22/87-09/06/96	22	2.55	2.691	5.9	1.8	0.729	0.854	1.9	2.175	3.025	3.27
00929	SODIUM, TOTAL (MG/L AS NA)	04/22/87-09/06/96	22	1.825	2.099	3.74	1.24	0.53	0.728	1.332	1.59	2.525	3.456
00937	POTASSIUM, TOTAL MG/L AS K)	04/22/87-09/06/96	22	1.38	1.467	2.43	0.79	0.175	0.419	1.023	1.2	1.688	2.222
00940	CHLORIDE,TOTAL IN WATER MG/L	04/22/87-09/06/96	22	3.5	4.227	9.	2.	3.708	1.926	2.	3.	6.	7.4
00945	SULFATE, TOTAL (MG/L AS SO4)	04/22/87-09/06/96	22	16.5	19.045	36.	5.	57.569	7.587	10.	15.	24.	30.4
00956	SILICA, TOTAL (MG/L AS SI02)	07/17/90-09/06/96	12	7.6	8.183	13.1	5.3	5.529	2.351	5.63	6.55	8.625	12.92
01002	ARSENIC, TOTAL (UG/L AS AS)	04/22/87-09/06/96	16 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01007	BARIUM, TOTAL (UG/L AS BA)	04/22/87-09/06/96	16	61.	60.5	80.	49.	94.933	9.743	49.	50.75	65.75	79.3
01027	CADMIUM, TOTAL (UG/L AS CD)	04/22/87-09/06/96	16 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/22/87-09/06/96	16 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	04/22/87-09/06/96	16 ##	5.	6.75	14.	5.	10.867	3.296	5.	5.	8.75	14.
01045	IRON, TOTAL (UG/L AS FE)	04/22/87-09/06/96	22	142.	914.818	6510.	5.	2204882.156	1484.885	5.	16.25	1787.5	2133.
01051	LEAD, TOTAL (UG/L AS PB)	04/22/87-09/06/96	16 ##	2.	1.531	2.	0.5	0.516	0.718	0.5	0.5	2.	2.
01055	MANGANESE, TOTAL (UG/L AS MN)	07/17/90-09/06/96	12 ##	5.	35.083	166.	5.	2623.174	51.217	5.	5.	66.25	142.6
01092	ZINC, TOTAL (UG/L AS ZN)	04/22/87-09/06/96	16 ##	5.	9.438	23.	5.	42.396	6.511	5.	5.	14.75	22.3
71900	MERCURY, TOTAL (UG/L AS HG)	04/22/87-09/06/96	16 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/22/87-09/06/96	22 ##	0.85	15.568	139.	0.5	1064.883	32.633	0.5	0.5	17.55	60.75

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

EPA Water Quality Criteria Analysis for Station: ALPO0016

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	22	0	0.00	9	0	0.00	7	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	22	18	0.82	9	5	0.56	7	7	1.00	6	6	1.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	22	0	0.00	9	0	0.00	7	0	0.00	6	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	22	0	0.00	9	0	0.00	7	0	0.00	6	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	22	0	0.00	9	0	0.00	7	0	0.00	6	0	0.00			
		Drinking Water	250.	22	0	0.00	9	0	0.00	7	0	0.00	6	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	22	0	0.00	9	0	0.00	7	0	0.00	6	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00			
		Drinking Water	50.	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	16	0	0.00	6	0	0.00	6	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												
01034	CHROMIUM, TOTAL	Drinking Water	100.	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00			
		Drinking Water	1300.	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00			
		Drinking Water	15.	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00			
		Drinking Water	5000.	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00			
		Drinking Water	2.	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	22	2	0.09	9	1	0.11	7	1	0.14	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

Seasonal Analysis for Season #1: 8/01 to 10/31 - Station ALPO0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	04/22/87-09/06/96	9	6.2	6.544	8.	5.9	0.525	0.725	5.9	5.95	7.1	8.
00403	CONVERTED PH, LAB, STANDARD UNITS	04/22/87-09/06/96	9	6.2	6.224	8.	5.9	0.64	0.8	5.9	5.95	7.1	8.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/22/87-09/06/96	9	0.631	0.596	1.259	0.01	0.259	0.509	0.01	0.082	1.129	1.259
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/22/87-09/06/96	9	11.	24.778	126.	10.	1447.194	38.042	10.	10.	15.5	126.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/22/87-09/06/96	9	84.	81.778	108.	48.	460.444	21.458	48.	63.	104.	108.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/22/87-09/06/96	9 ##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/22/87-09/06/96	9 ##	0.002	0.002	0.006	0.002	0.	0.001	0.002	0.002	0.002	0.006
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/22/87-09/06/96	9	1.4	1.276	1.54	0.78	0.063	0.252	0.78	1.08	1.44	1.54
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/22/87-09/06/96	9	26.	28.556	57.	10.	176.028	13.268	10.	20.5	34.5	57.
00916	CALCIUM, TOTAL (MG/L AS CA)	04/22/87-09/06/96	9	7.8	7.578	8.9	6.3	0.904	0.951	6.3	6.75	8.45	8.9
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/22/87-09/06/96	9	2.6	2.7	3.3	2.	0.188	0.433	2.	2.4	3.15	3.3
00929	SODIUM, TOTAL (MG/L AS NA)	04/22/87-09/06/96	9	2.3	2.282	3.26	1.32	0.414	0.643	1.32	1.805	2.88	3.26
00937	POTASSIUM, TOTAL MG/L AS K)	04/22/87-09/06/96	9	1.47	1.563	2.43	1.03	0.229	0.479	1.03	1.155	1.985	2.43
00940	CHLORIDE,TOTAL IN WATER MG/L	04/22/87-09/06/96	9	4.	4.111	6.	2.	2.361	1.537	2.	2.5	5.5	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	04/22/87-09/06/96	9	15.	17.667	36.	5.	97.	9.849	5.	10.	25.5	36.
01045	IRON, TOTAL (UG/L AS FE)	04/22/87-09/06/96	9	41.	878.	2160.	5.	1057434.5	1028.316	5.	5.	1940.	2160.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/22/87-09/06/96	9 ##	0.5	11.667	69.	0.5	515.313	22.7	0.5	0.5	16.5	69.

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

Seasonal Analysis for Season #2: 11/01 to 3/31 - Station ALPO0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	04/22/87-09/06/96	7	6.3	6.086	6.5	5.5	0.165	0.406	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/22/87-09/06/96	7	6.3	5.923	6.5	5.5	0.196	0.442	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/22/87-09/06/96	7	0.501	1.194	3.162	0.316	1.198	1.094	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/22/87-09/06/96	7	8.	7.286	10.	3.	5.238	2.289	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/22/87-09/06/96	7	58.	310.857	1856.	16.	464711.81	681.698	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/22/87-09/06/96	7 ##	0.01	0.011	0.02	0.01	0.	0.004	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/22/87-09/06/96	7 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/22/87-09/06/96	7	1.83	1.769	2.51	1.28	0.149	0.386	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/22/87-09/06/96	7	24.	26.429	39.	18.	43.619	6.604	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/22/87-09/06/96	7	7.3	6.857	7.4	5.6	0.463	0.68	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/22/87-09/06/96	7	2.7	2.571	3.1	1.9	0.246	0.496	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	04/22/87-09/06/96	7	1.87	2.269	3.74	1.24	0.943	0.971	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	04/22/87-09/06/96	7	1.24	1.306	1.83	0.79	0.099	0.314	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/22/87-09/06/96	7	3.	4.714	9.	3.	6.905	2.628	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/22/87-09/06/96	7	16.	18.429	29.	14.	30.619	5.533	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/22/87-09/06/96	7	103.	463.286	2010.	5.	575028.905	758.307	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/22/87-09/06/96	7	1.3	20.771	139.	0.5	2718.306	52.137	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more 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: 4/01 to 7/31 - Station ALPO0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	04/22/87-09/06/96	6	6.4	6.367	6.5	6.2	0.011	0.103	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/22/87-09/06/96	6	6.4	6.356	6.5	6.2	0.011	0.104	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/22/87-09/06/96	6	0.398	0.44	0.631	0.316	0.012	0.11	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/22/87-09/06/96	6	12.	11.333	16.	6.	20.267	4.502	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/22/87-09/06/96	6	62.	61.333	80.	40.	188.267	13.721	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/22/87-09/06/96	6 ##	0.01	0.013	0.02	0.01	0.	0.005	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/22/87-09/06/96	6 ##	0.002	0.002	0.004	0.002	0.	0.001	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/22/87-09/06/96	6	1.31	1.377	1.66	1.18	0.042	0.205	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/22/87-09/06/96	6	27.	26.5	29.	22.	6.3	2.51	**	**	**	**

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

Seasonal Analysis for Season #3: 4/01 to 7/31 - Station ALPO0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00916	CALCIUM, TOTAL (MG/L AS CA)	04/22/87-09/06/96	6	7.25	7.483	11.9	4.3	6.686	2.586	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/22/87-09/06/96	6	2.2	2.817	5.9	1.8	2.43	1.559	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	04/22/87-09/06/96	6	1.58	1.627	2.11	1.36	0.066	0.256	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	04/22/87-09/06/96	6	1.48	1.51	2.27	1.02	0.195	0.442	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/22/87-09/06/96	6	3.	3.833	6.	2.	2.967	1.722	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/22/87-09/06/96	6	20.5	21.833	31.	16.	36.567	6.047	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/22/87-09/06/96	6	607.	1496.833	6510.	28.	6184210.967	2486.807	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/22/87-09/06/96	6	8.8	15.35	41.5	0.5	320.683	17.908	**	**	**	**

** - Less than 9 observations ## - Computed 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: ALPO0017

NPS Station ID: ALPO0017
LAT/LON: 40.463615/ -78.495281
Agency: 21PA20MD
Date Created: / /
Location: CLR
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 29.99
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050302
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: SUSQUEHANNA RIVER
ECO Region:
RF1 Index: 02050302
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02050201000809.62
RF3 Mile Point: 10.47
Distance from RF3: 0.26
On/Off RF3:
Description:
UNNAMED TRIB TO CLR NEAR DEAN

Parameter Inventory for Station: ALPO0017

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/02/72-10/02/72	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/02/72-10/02/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/02/72-10/02/72	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/02/72-10/02/72	1	126.	126.	126.	126.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	10/02/72-10/02/72	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	10/02/72-10/02/72	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: ALPO0017

				Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0018

NPS Station ID: ALPO0018
LAT/LON: 40.500559/ -78.511670
Agency: 21PA
Date Created: 09/26/87
Location: SPRING ACID MINE DR/LOGAN #261019
FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/SPRING/SUPPLY/NET
STORET Station ID(s): GWNS11A019 /324PSVL-1166/BASIN261-019
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050302
Depth of Water: 0
Aquifer:
Major Basin: SUSQUEHANNA RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: UPPER JUNIATA
ECO Region:
RF1 Index: 02050302
RF1 Mile Point: 0.000
Distance from RF1: 24.70
On/Off RF1:
RF3 Index: 02050302012204.68
RF3 Mile Point: 10.97
Distance from RF3: 0.20
On/Off RF3:
Description:
PRIMARY STATION CODE - GWNS11A019; ELEVATION - 1880'; 7.5' QUADRANGLE NAME - ASHVILLE;
AQUIFER NAME - POTTSVILLE FORMATION; SPRING FLOW PERMANENCE - PERENNIAL;

Parameter Inventory for Station: ALPO0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	04/08/87-10/31/96	22	6.2	6.136	6.4	5.5	0.053	0.23	5.73	6.075	6.3	6.4
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/87-10/31/96	22	6.2	6.065	6.4	5.5	0.058	0.241	5.73	6.075	6.3	6.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/87-10/31/96	22	0.631	0.861	3.162	0.398	0.412	0.642	0.398	0.501	0.846	1.872
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/08/87-10/31/96	22	28.	25.273	38.	7.	94.589	9.726	10.6	18.	34.	37.4
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/08/87-10/31/96	22	140.	261.273	2676.	70.	292377.732	540.72	99.6	119.5	179.5	226.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/08/87-10/31/96	22	0.05	0.045	0.09	0.02	0.	0.021	0.02	0.02	0.05	0.084
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/08/87-10/31/96	22 ##	0.002	0.002	0.004	0.002	0.	0.	0.002	0.002	0.002	0.002
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/08/87-10/31/96	22	0.065	0.075	0.28	0.02	0.005	0.068	0.02	0.02	0.098	0.185
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/90-10/31/96	12 ##	0.01	0.032	0.23	0.01	0.004	0.063	0.01	0.01	0.02	0.167
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/08/87-10/31/96	16 ##	0.5	0.644	2.8	0.5	0.331	0.575	0.5	0.5	0.5	1.19
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/08/87-10/31/96	22	83.	81.227	231.	32.	1692.565	41.141	32.6	56.25	98.25	104.7
00916	CALCIUM, TOTAL (MG/L AS CA)	04/08/87-10/31/96	22	18.2	16.264	24.7	6.6	32.184	5.673	7.62	11.6	20.15	24.45
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/08/87-10/31/96	22	6.7	6.064	8.7	2.9	3.234	1.798	3.2	4.5	7.525	8.07
00929	SODIUM, TOTAL (MG/L AS NA)	04/08/87-10/31/96	22	5.85	7.225	21.1	1.32	36.206	6.017	1.579	2.158	10.125	19.75
00937	POTASSIUM, TOTAL MG/L AS K)	04/08/87-10/31/96	22	1.33	1.391	3.32	0.82	0.232	0.482	0.935	1.17	1.455	1.674
00940	CHLORIDE,TOTAL IN WATER MG/L	04/08/87-10/31/96	22	11.	13.364	38.	3.	84.909	9.215	4.	5.75	18.5	26.8
00945	SULFATE, TOTAL (MG/L AS SO4)	04/08/87-10/31/96	22	50.	50.591	79.	20.	352.729	18.781	21.5	34.25	67.25	75.7
00956	SILICA, TOTAL (MG/L AS SI02)	07/17/90-10/31/96	12	7.45	7.758	12.2	4.7	3.981	1.995	5.03	6.475	9.025	11.36
01002	ARSENIC, TOTAL (UG/L AS AS)	04/08/87-10/31/96	16 ##	2.	2.5	7.	2.	2.	1.414	2.	2.	2.	5.6
01007	BARIUM, TOTAL (UG/L AS BA)	04/08/87-10/31/96	16	36.5	39.25	57.	30.	64.2	8.012	30.	31.75	46.25	52.1
01027	CADMIUM, TOTAL (UG/L AS CD)	04/08/87-10/31/96	16 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/08/87-10/31/96	16 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	04/08/87-10/31/96	16 ##	5.	7.875	45.	5.	100.25	10.012	5.	5.	5.	21.2
01045	IRON, TOTAL (UG/L AS FE)	04/08/87-10/31/96	22	7385.	10932.	58300.	804.	176204947.048	13274.221	1723.	4390.	11550.	32150.
01051	LEAD, TOTAL (UG/L AS PB)	04/08/87-10/31/96	16 ##	2.	1.531	2.	0.5	0.516	0.718	0.5	0.5	2.	2.
01055	MANGANESE, TOTAL (UG/L AS MN)	07/17/90-10/31/96	12	656.5	593.	949.	109.	79101.273	281.249	142.9	346.5	848.5	922.3
01092	ZINC, TOTAL (UG/L AS ZN)	04/08/87-10/31/96	15	16.	16.867	30.	5.	51.552	7.18	5.	14.	20.	28.2
71900	MERCURY, TOTAL (UG/L AS HG)	04/08/87-10/31/96	16 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/87-10/31/96	22	8.15	67.773	790.	0.5	29672.391	172.257	1.09	2.125	42.75	226.2

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

EPA Water Quality Criteria Analysis for Station: ALPO0018

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	22	0	0.00	9	0	0.00	6	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	22	22	1.00	9	9	1.00	6	6	1.00	7	7	1.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	22	0	0.00	9	0	0.00	6	0	0.00	7	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	22	0	0.00	9	0	0.00	6	0	0.00	7	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	22	0	0.00	9	0	0.00	6	0	0.00	7	0	0.00			
		Drinking Water	250.	22	0	0.00	9	0	0.00	6	0	0.00	7	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	22	0	0.00	9	0	0.00	6	0	0.00	7	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	16	0	0.00	6	0	0.00	5	0	0.00	5	0	0.00			
		Drinking Water	50.	16	0	0.00	6	0	0.00	5	0	0.00	5	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	16	0	0.00	6	0	0.00	5	0	0.00	5	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	16	0	0.00	6	0	0.00	5	0	0.00	5	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	16	1	0.06	6	0	0.00	5	1	0.20	5	0	0.00			
		Drinking Water	1300.	16	0	0.00	6	0	0.00	5	0	0.00	5	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	16	0	0.00	6	0	0.00	5	0	0.00	5	0	0.00			
		Drinking Water	15.	16	0	0.00	6	0	0.00	5	0	0.00	5	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	15	0	0.00	6	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	5000.	15	0	0.00	6	0	0.00	5	0	0.00	4	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	16	0	0.00	6	0	0.00	5	0	0.00	5	0	0.00			
		Drinking Water	2.	16	0	0.00	6	0	0.00	5	0	0.00	5	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	22	5	0.23	9	2	0.22	6	2	0.33	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

Seasonal Analysis for Season #1: 8/01 to 10/31 - Station ALPO0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	04/08/87-10/31/96	9	6.2	6.2	6.4	6.1	0.01	0.1	6.1	6.1	6.25	6.4
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/87-10/31/96	9	6.2	6.19	6.4	6.1	0.01	0.101	6.1	6.1	6.25	6.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/87-10/31/96	9	0.631	0.645	0.794	0.398	0.019	0.137	0.398	0.566	0.794	0.794
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/08/87-10/31/96	9	30.	28.222	36.	18.	48.444	6.96	18.	20.	34.	36.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/08/87-10/31/96	9	168.	445.556	2676.	108.	700630.778	837.037	108.	148.	205.	2676.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/08/87-10/31/96	9	0.05	0.044	0.06	0.02	0.	0.012	0.02	0.035	0.05	0.06
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/08/87-10/31/96	9 ##	0.002	0.002	0.002	0.002	0.	0.	0.002	0.002	0.002	0.002
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/08/87-10/31/96	9	0.04	0.06	0.15	0.02	0.003	0.05	0.02	0.02	0.105	0.15
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/08/87-10/31/96	9	89.	100.556	231.	63.	2537.028	50.369	63.	75.	97.5	231.
00916	CALCIUM, TOTAL (MG/L AS CA)	04/08/87-10/31/96	9	18.2	17.667	24.6	11.9	15.575	3.947	11.9	13.7	19.65	24.6
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/08/87-10/31/96	9	6.9	6.622	8.7	4.5	1.652	1.285	4.5	5.5	7.35	8.7
00929	SODIUM, TOTAL (MG/L AS NA)	04/08/87-10/31/96	9	5.15	5.457	10.5	1.51	9.943	3.153	1.51	2.285	8.115	10.5
00937	POTASSIUM, TOTAL MG/L AS K)	04/08/87-10/31/96	9	1.45	1.669	3.32	1.31	0.398	0.631	1.31	1.38	1.635	3.32
00940	CHLORIDE,TOTAL IN WATER MG/L	04/08/87-10/31/96	9	10.	10.444	17.	3.	27.028	5.199	3.	5.5	16.	17.
00945	SULFATE, TOTAL (MG/L AS SO4)	04/08/87-10/31/96	9	60.	51.333	67.	20.	259.	16.093	20.	39.	64.	67.
01045	IRON, TOTAL (UG/L AS FE)	04/08/87-10/31/96	9	9420.	8687.778	12700.	4590.	8770469.444	2961.498	4590.	5295.	10950.	12700.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/87-10/31/96	9	7.3	19.911	55.	1.	520.649	22.818	1.	2.1	46.5	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

Seasonal Analysis for Season #2: 11/01 to 3/31 - Station ALPO0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	04/08/87-10/31/96	6	6.15	6.117	6.4	5.8	0.042	0.204	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/87-10/31/96	6	6.147	6.076	6.4	5.8	0.044	0.209	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/87-10/31/96	6	0.713	0.84	1.585	0.398	0.173	0.416	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/08/87-10/31/96	6	23.5	22.	36.	7.	113.2	10.64	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/08/87-10/31/96	6	123.	120.667	140.	96.	269.867	16.428	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/08/87-10/31/96	6	0.05	0.053	0.09	0.02	0.001	0.031	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/08/87-10/31/96	6 ##	0.002	0.002	0.004	0.002	0.	0.001	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/08/87-10/31/96	6	0.085	0.102	0.28	0.02	0.009	0.096	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/08/87-10/31/96	6	63.5	67.5	99.	32.	723.5	26.898	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/08/87-10/31/96	6	16.3	16.133	24.7	7.5	58.551	7.652	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/08/87-10/31/96	6	6.05	5.767	8.1	3.2	4.923	2.219	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	04/08/87-10/31/96	6	5.53	7.777	21.1	1.32	54.909	7.41	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	04/08/87-10/31/96	6	1.25	1.178	1.34	0.82	0.041	0.202	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/08/87-10/31/96	6	12.5	15.5	38.	4.	165.5	12.865	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/08/87-10/31/96	6	42.	47.	79.	20.	540.	23.238	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/08/87-10/31/96	6	9285.	20518.333	58300.	1390.	545066296.667	23346.655	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/87-10/31/96	6	17.65	181.017	790.	0.5	98973.046	314.6	**	**	**	**

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

Seasonal Analysis for Season #3: 4/01 to 7/31 - Station ALPO0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	04/08/87-10/31/96	7	6.2	6.071	6.4	5.5	0.126	0.355	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/87-10/31/96	7	6.2	5.937	6.4	5.5	0.147	0.383	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/87-10/31/96	7	0.631	1.155	3.162	0.398	1.101	1.049	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/08/87-10/31/96	7	20.	24.286	38.	10.	147.238	12.134	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/08/87-10/31/96	7	140.	144.857	228.	70.	2401.143	49.001	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/08/87-10/31/96	7	0.03	0.037	0.07	0.02	0.	0.02	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/08/87-10/31/96	7 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/08/87-10/31/96	7	0.07	0.071	0.2	0.02	0.004	0.064	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/08/87-10/31/96	7	57.	68.143	105.	32.	989.81	31.461	**	**	**	**

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

Seasonal Analysis for Season #3: 4/01 to 7/31 - Station ALPO0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00916	CALCIUM, TOTAL (MG/L AS CA)	04/08/87-10/31/96	7	11.6	14.571	21.6	6.6	36.776	6.064	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/08/87-10/31/96	7	4.7	5.6	8.	2.9	4.207	2.051	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	04/08/87-10/31/96	7	8.87	9.027	20.8	1.74	58.922	7.676	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	04/08/87-10/31/96	7	1.25	1.216	1.59	0.89	0.052	0.228	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/08/87-10/31/96	7	18.	15.286	28.	4.	101.571	10.078	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/08/87-10/31/96	7	47.	52.714	76.	25.	420.238	20.5	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/08/87-10/31/96	7	4210.	5600.571	12300.	804.	18187368.952	4264.665	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/87-10/31/96	7	8.	32.243	152.	1.3	2948.573	54.301	**	**	**	**

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

Station Inventory for Station: ALPO0019

NPS Station ID: ALPO0019 LAT/LON: 40.434448/ -78.520309 Agency: 11NPSWRD Date Created: 01/31/98
Location: BLAIR GAP RUN DOWNSTREAM OF MULESHOE BRIDGE FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ALPO_PA_3
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02050302 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: SUSQUEHANNA RIVER ECO Region:
RF1 Index: 02050302 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON-PA BLAIR COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ON THE BLAIR GAP RUN DOWNSTREAM OF THE MULESHOE BRIDGE INSIDE THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE. THE DATA ARE FROM A REPORT BY THE PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. THE REPORT IS FROM MARCH 1997 AND IS TITLED "AQUATIC RESOURCES OF THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE FINAL REPORT." THE REPORT HAS AN ADDENDUM WITH ADDITIONAL. DATA THE REPORT IS BY DEAN ARNOLD; BIOLOGICAL RESOURCES DIVISION; USGS; PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT ALLEGHENY PORTAGE RAILROAD NHS; PO BOX 189; CRESSON PA 16630 (814-886-6100). DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (970-225-3516).

Parameter Inventory for Station: ALPO0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/97-06/25/97	2	136.	136.	139.	133.	18.	4.243	**	**	**	**
00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	05/15/96-06/25/97	4	128.	129.25	141.	120.	118.25	10.874	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/15/96-06/25/97	5	6.7	6.68	7.	6.3	0.107	0.327	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/15/96-06/25/97	5	6.7	6.585	7.	6.3	0.118	0.344	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/96-06/25/97	5	0.2	0.26	0.501	0.1	0.033	0.182	**	**	**	**
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/15/96-06/25/97	5	16.	18.	33.	12.	75.5	8.689	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/07/97-06/25/97	2	0.002	0.002	0.002	0.001	0.	0.001	**	**	**	**
30208	FLOW (CUBIC METERS / SEC) CMS	05/23/96-06/25/97	3	0.184	0.291	0.616	0.074	0.082	0.286	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/07/97-06/25/97	2	2.9	2.9	3.4	2.4	0.5	0.707	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0019

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	5	0	0.00				1	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	5	2	0.40				1	1	1.00	4	1	0.25			
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: ALPO0020

NPS Station ID: ALPO0020 LAT/LON: 40.432504/ -78.521560 Agency: 11NPSWRD Date Created: 01/31/98
Location: ADAMS/BLAIR RUN BELOW MULESHOE RESERVOIR FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ALPO_PA_4
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02050302 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: SUSQUEHANNA RIVER ECO Region:
RF1 Index: 02050302 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON-PA BLAIR COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ON THE ADAMS/BLAIR RUN BELOW MULESHOE RESERVOIR INSIDE THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE. THE DATA ARE FROM A REPORT BY THE PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. THE REPORT IS FROM MARCH 1997 AND IS TITLED "AQUATIC RESOURCES OF THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE FINAL REPORT." THE REPORT HAS AN ADDENDUM WITH ADDITIONAL DATA.
THE REPORT IS BY DEAN ARNOLD; BIOLOGICAL RESOURCES DIVISION; USGS; PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT ALLEGHENY PORTAGE RAILROAD NHS; PO BOX 189; CRESSON PA 16630 (814-886-6100). DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (970-225-3516).

Parameter Inventory for Station: ALPO0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/97-06/25/97	2	43.5	43.5	52.	35.	144.5	12.021	**	**	**	**
00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	05/15/96-06/25/97	4	46.5	44.75	48.	38.	22.25	4.717	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/15/96-06/25/97	5	6.3	6.22	6.6	5.8	0.127	0.356	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/15/96-06/25/97	5	6.3	6.107	6.6	5.8	0.143	0.378	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/96-06/25/97	5	0.501	0.782	1.585	0.251	0.362	0.602	**	**	**	**
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/15/96-06/25/97	5	5.	5.2	8.	4.	2.7	1.643	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/07/97-06/25/97	2 ##	0.002	0.002	0.003	0.	0.	0.002	**	**	**	**
30208	FLOW (CUBIC METERS / SEC) CMS	03/07/97-06/25/97	2	0.675	0.675	1.135	0.215	0.423	0.651	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/07/97-06/25/97	2	2.8	2.8	4.5	1.1	5.78	2.404	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0020

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	5	0	0.00				1	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	5	4	0.80				1	1	1.00	4	3	0.75			
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: ALPO0021

NPS Station ID: ALPO0021 | LAT/LON: 40.445559/ -78.526115 | Agency: 21PA | Date Created: 09/26/87
Location: GALLITZEN SRPING/JUNIATA #261029 | FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/SPRING/NET | STORET Station ID(s): GWNS11A029 /337BRGN-1013/BASIN261-029
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02050302 | Depth of Water: 0 | Aquifer:
Major Basin: SUSQUEHANNA RIVER BASIN | Elevation: 0 | Water Body Id:
Minor Basin: UPPER JUNIATA | ECO Region:
RF1 Index: 02050302 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 02050302012200.00 | RF3 Mile Point: 0.81 | Distance from RF3: 0.32 | On/Off RF3:
Description:
PRIMARY STATION CODE - GWNS11A029; ELEVATION - 1700'; 7.5' QUADRANGLE NAME - CRESSON;
AQUIFER NAME - BURGOON MEMBER OF POCONO FORMATION; SPRING FLOW PERMANENCE - PERENNIAL;

Parameter Inventory for Station: ALPO0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	04/08/87-09/06/96	22	6.6	6.568	7.5	5.5	0.154	0.392	6.13	6.4	6.725	7.14
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/87-09/06/96	22	6.6	6.371	7.5	5.5	0.195	0.441	6.13	6.4	6.725	7.14
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/87-09/06/96	22	0.251	0.426	3.162	0.032	0.404	0.636	0.074	0.189	0.398	0.745
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/08/87-09/06/96	22	18.	22.136	40.	10.	89.933	9.483	12.3	14.	32.	36.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/08/87-09/06/96	22	64.	81.273	272.	16.	3131.636	55.961	31.	58.5	94.	174.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/08/87-09/06/96	22 ##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/08/87-09/06/96	22 ##	0.002	0.002	0.006	0.002	0.	0.001	0.002	0.002	0.002	0.002
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/08/87-09/06/96	22	1.395	1.576	2.9	0.95	0.251	0.501	1.112	1.265	1.795	2.502
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/90-09/06/96	12 ##	0.015	0.018	0.04	0.01	0.	0.01	0.01	0.01	0.02	0.037
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/08/87-09/06/96	16 ##	0.5	0.594	2.	0.5	0.141	0.375	0.5	0.5	0.5	0.95
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/08/87-09/06/96	22	32.5	33.955	50.	22.	68.426	8.272	24.3	26.	39.75	46.7
00916	CALCIUM, TOTAL (MG/L AS CA)	04/08/87-09/06/96	22	10.95	12.168	18.2	6.8	13.688	3.7	8.12	9.275	16.525	17.73
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/08/87-09/06/96	22	1.15	1.518	9.3	0.7	3.063	1.75	0.86	1.	1.325	1.5
00929	SODIUM, TOTAL (MG/L AS NA)	04/08/87-09/06/96	22	0.68	0.721	1.08	0.45	0.029	0.171	0.505	0.593	0.825	1.034
00937	POTASSIUM, TOTAL MG/L AS K)	04/08/87-09/06/96	22	0.75	0.836	1.57	0.25	0.083	0.288	0.581	0.71	0.905	1.343
00940	CHLORIDE,TOTAL IN WATER MG/L	04/08/87-09/06/96	22	2.	2.136	3.	1.	0.314	0.56	1.3	2.	2.25	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	04/08/87-09/06/96	22	11.	13.455	48.	5.	102.069	10.103	5.	5.	15.5	25.7
00956	SILICA, TOTAL (MG/L AS SI02)	07/17/90-09/06/96	12	4.6	4.692	5.4	4.1	0.144	0.38	4.16	4.425	4.975	5.34
01002	ARSENIC, TOTAL (UG/L AS AS)	04/08/87-09/06/96	16 ##	2.	2.031	2.5	2.	0.016	0.125	2.	2.	2.	2.15
01007	BARIUM, TOTAL (UG/L AS BA)	04/08/87-09/06/96	16	47.	47.188	60.	33.	53.229	7.296	37.2	41.25	51.75	59.3
01027	CADMIUM, TOTAL (UG/L AS CD)	04/08/87-09/06/96	16 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/08/87-09/06/96	16 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	04/08/87-09/06/96	16 ##	5.	5.938	13.	5.	6.596	2.568	5.	5.	5.	12.3
01045	IRON, TOTAL (UG/L AS FE)	04/08/87-09/06/96	22	20.5	34.318	150.	5.	1291.084	35.932	6.5	14.5	38.5	102.8
01051	LEAD, TOTAL (UG/L AS PB)	04/08/87-09/06/96	16 ##	2.	2.219	13.	0.5	8.766	2.961	0.5	0.5	2.	5.3
01055	MANGANESE, TOTAL (UG/L AS MN)	07/17/90-09/06/96	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	04/08/87-09/06/96	16 ##	5.	7.188	17.	5.	17.096	4.135	5.	5.	8.75	15.6
71900	MERCURY, TOTAL (UG/L AS HG)	04/08/87-09/06/96	16 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/87-09/06/96	22 ##	0.5	0.6	2.1	0.5	0.129	0.359	0.5	0.5	0.5	0.92

** - 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: ALPO0021

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	22	0	0.00	8	0	0.00	7	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	22	10	0.45	8	3	0.38	7	5	0.71	7	2	0.29			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	22	0	0.00	8	0	0.00	7	0	0.00	7	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	22	0	0.00	8	0	0.00	7	0	0.00	7	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	22	0	0.00	8	0	0.00	7	0	0.00	7	0	0.00			
		Drinking Water	250.	22	0	0.00	8	0	0.00	7	0	0.00	7	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	22	0	0.00	8	0	0.00	7	0	0.00	7	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00			
		Drinking Water	50.	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	16	0	0.00	6	0	0.00	6	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												
01034	CHROMIUM, TOTAL	Drinking Water	100.	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00			
		Drinking Water	1300.	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00			
		Drinking Water	15.	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00			
		Drinking Water	5000.	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00			
		Drinking Water	2.	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	22	0	0.00	8	0	0.00	7	0	0.00	7	0	0.00			

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

Station Inventory for Station: ALPO0022

NPS Station ID: ALPO0022
LAT/LON: 40.477782/ -78.532782
Agency: 21PA
Date Created: 09/26/87
Location: SPRING/ALLEGHENY #261021
FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/SPRING/NET
STORET Station ID(s): GWNS11A021 /324ALGN-1093/BASIN261-021
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050302
Depth of Water: 0
Aquifer:
Major Basin: SUSQUEHANNA RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: UPPER JUNIATA
ECO Region:
RF1 Index: 02050302
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02050302012203.17
RF3 Mile Point: 3.17
Distance from RF3: 0.58
On/Off RF3:
Description:
PRIMARY STATION CODE - GWNS11A021; ELEVATION - 2109'; 7.5' QUADRANGLE NAME - CRESSON;
AQUIFER NAME - ALLEGHENY GROUP; SPRING FLOW PERMANENCE - PERENNIAL;

Parameter Inventory for Station: ALPO0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	04/08/87-10/31/96	21	3.4	3.348	3.5	3.2	0.006	0.075	3.22	3.3	3.4	3.4
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/87-10/31/96	21	3.4	3.341	3.5	3.2	0.006	0.075	3.22	3.3	3.4	3.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/87-10/31/96	21	398.107	455.653	630.957	316.228	6530.239	80.81	398.107	398.107	501.187	605.003
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/08/87-10/31/96	16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	04/08/87-10/03/95	19	36.	35.474	56.	20.	83.485	9.137	22.	30.	42.	46.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/08/87-10/31/96	21	590.	622.381	1356.	258.	78266.248	279.761	293.2	404.	804.	990.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/08/87-10/31/96	21	0.12	0.116	0.2	0.03	0.003	0.053	0.04	0.075	0.165	0.188
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/08/87-10/31/96	21 ##	0.002	0.002	0.002	0.002	0.	0.	0.002	0.002	0.002	0.002
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/08/87-10/31/96	21	0.2	0.282	0.84	0.06	0.061	0.247	0.064	0.11	0.36	0.806
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/17/90-10/31/96	11 ##	0.01	0.015	0.02	0.01	0.	0.005	0.01	0.01	0.02	0.02
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/08/87-10/31/96	15 ##	0.5	0.56	1.4	0.5	0.054	0.232	0.5	0.5	0.5	0.86
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/08/87-10/31/96	21	265.	286.714	451.	136.	9130.814	95.555	164.2	213.5	388.5	424.6
00916	CALCIUM, TOTAL (MG/L AS CA)	04/08/87-10/31/96	21	52.	58.129	88.1	19.3	395.419	19.885	29.48	45.	78.1	84.64
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/08/87-10/31/96	21	22.6	23.867	35.2	12.4	45.714	6.761	14.06	19.45	29.65	34.48
00929	SODIUM, TOTAL (MG/L AS NA)	04/08/87-10/31/96	21	4.58	4.719	7.65	1.9	2.256	1.502	2.098	3.995	5.915	6.66
00937	POTASSIUM, TOTAL MG/L AS K)	04/08/87-10/31/96	21	2.31	2.294	4.23	1.18	0.562	0.75	1.242	1.69	2.685	3.324
00940	CHLORIDE,TOTAL IN WATER MG/L	04/08/87-10/31/96	21	12.	12.429	19.	3.	16.257	4.032	6.	11.	15.5	17.8
00945	SULFATE, TOTAL (MG/L AS SO4)	04/08/87-10/31/96	21	284.	303.19	511.	139.	10578.962	102.854	159.8	226.	404.	431.2
00956	SILICA, TOTAL (MG/L AS SI02)	07/17/90-10/31/96	11	28.5	27.027	35.1	20.	31.054	5.573	20.08	20.5	32.1	34.5
01002	ARSENIC, TOTAL (UG/L AS AS)	04/08/87-10/31/96	15 ##	2.	2.4	8.	2.	2.4	1.549	2.	2.	2.	4.4
01007	BARIUM, TOTAL (UG/L AS BA)	04/08/87-10/31/96	15	17.	17.867	24.	14.	10.981	3.314	14.	15.	20.	23.4
01027	CADMIUM, TOTAL (UG/L AS CD)	04/08/87-10/31/96	15 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/08/87-10/31/96	15 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	04/08/87-10/31/96	15	20.	22.867	52.	5.	159.695	12.637	8.	18.	25.	50.2
01045	IRON, TOTAL (UG/L AS FE)	04/08/87-10/31/96	21	14700.	16020.952	38800.	3490.	73020619.048	8545.21	6868.	9550.	19100.	30660.
01051	LEAD, TOTAL (UG/L AS PB)	04/08/87-10/31/96	15	2.	2.867	6.	2.	2.41	1.552	2.	2.	4.	6.
01055	MANGANESE, TOTAL (UG/L AS MN)	07/17/90-10/31/96	11	1580.	1711.818	2450.	1020.	235756.364	485.547	1024.	1400.	2180.	2406.
01092	ZINC, TOTAL (UG/L AS ZN)	04/08/87-10/31/96	15	271.	282.733	392.	196.	4201.352	64.818	199.6	226.	348.	388.4
71900	MERCURY, TOTAL (UG/L AS HG)	04/08/87-10/31/96	15 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/87-10/31/96	21	16.7	23.833	90.	1.	541.74	23.275	2.9	4.75	40.	54.

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

EPA Water Quality Criteria Analysis for Station: ALPO0022

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	21	0	0.00	9	0	0.00	5	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	21	21	1.00	9	9	1.00	5	5	1.00	7	7	1.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	21	0	0.00	9	0	0.00	5	0	0.00	7	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	21	0	0.00	9	0	0.00	5	0	0.00	7	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	21	0	0.00	9	0	0.00	5	0	0.00	7	0	0.00			
		Drinking Water	250.	21	0	0.00	9	0	0.00	5	0	0.00	7	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	21	16	0.76	9	8	0.89	5	3	0.60	7	5	0.71			
01002	ARSENIC, TOTAL	Fresh Acute	360.	15	0	0.00	6	0	0.00	4	0	0.00	5	0	0.00			
		Drinking Water	50.	15	0	0.00	6	0	0.00	4	0	0.00	5	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	15	0	0.00	6	0	0.00	4	0	0.00	5	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	15	0	0.00	6	0	0.00	4	0	0.00	5	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	15	12	0.80	6	6	1.00	4	3	0.75	5	3	0.60			
		Drinking Water	1300.	15	0	0.00	6	0	0.00	4	0	0.00	5	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	15	0	0.00	6	0	0.00	4	0	0.00	5	0	0.00			
		Drinking Water	15.	15	0	0.00	6	0	0.00	4	0	0.00	5	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	15	15	1.00	6	6	1.00	4	4	1.00	5	5	1.00			
		Drinking Water	5000.	15	0	0.00	6	0	0.00	4	0	0.00	5	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	15	0	0.00	6	0	0.00	4	0	0.00	5	0	0.00			
		Drinking Water	2.	15	0	0.00	6	0	0.00	4	0	0.00	5	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	21	4	0.19	9	3	0.33	5	0	0.00	7	1	0.14			

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

Seasonal Analysis for Season #1: 8/01 to 10/31 - Station ALPO0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	04/08/87-10/31/96	9	3.4	3.389	3.5	3.3	0.004	0.06	3.3	3.35	3.4	3.5
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/87-10/31/96	9	3.4	3.385	3.5	3.3	0.004	0.06	3.3	3.35	3.4	3.5
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/87-10/31/96	9	398.107	411.916	501.187	316.228	3279.881	57.27	316.228	398.107	449.647	501.187
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/08/87-10/31/96	9	722.	782.444	1356.	432.	68295.778	261.335	432.	630.	902.	1356.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/08/87-10/31/96	9	0.14	0.143	0.18	0.08	0.001	0.032	0.08	0.125	0.175	0.18
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/08/87-10/31/96	9 ##	0.002	0.002	0.002	0.002	0.	0.	0.002	0.002	0.002	0.002
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/08/87-10/31/96	9	0.11	0.12	0.2	0.06	0.002	0.04	0.06	0.095	0.14	0.2
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/08/87-10/31/96	9	378.	359.	451.	224.	5759.5	75.891	224.	290.5	414.5	451.
00916	CALCIUM, TOTAL (MG/L AS CA)	04/08/87-10/31/96	9	73.	71.9	88.1	49.3	149.923	12.244	49.3	63.5	82.5	88.1
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/08/87-10/31/96	9	28.9	28.044	34.8	22.6	13.858	3.723	22.6	25.15	30.35	34.8
00929	SODIUM, TOTAL (MG/L AS NA)	04/08/87-10/31/96	9	5.89	5.843	7.65	4.09	1.145	1.07	4.09	5.035	6.555	7.65
00937	POTASSIUM, TOTAL MG/L AS K)	04/08/87-10/31/96	9	2.68	2.832	4.23	2.11	0.414	0.644	2.11	2.42	3.135	4.23
00940	CHLORIDE,TOTAL IN WATER MG/L	04/08/87-10/31/96	9	16.	15.111	19.	10.	9.111	3.018	10.	12.5	17.5	19.
00945	SULFATE, TOTAL (MG/L AS SO4)	04/08/87-10/31/96	9	351.	343.	428.	183.	7233.75	85.051	183.	276.	419.5	428.
01045	IRON, TOTAL (UG/L AS FE)	04/08/87-10/31/96	9	18200.	19966.667	31400.	11800.	39597500.	6292.654	11800.	15550.	25100.	31400.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/87-10/31/96	9	17.	29.078	90.	1.	877.477	29.622	1.	6.75	52.5	90.

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

Seasonal Analysis for Season #2: 11/01 to 3/31 - Station ALPO0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	04/08/87-10/31/96	5	3.3	3.28	3.4	3.2	0.007	0.084	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/87-10/31/96	5	3.3	3.274	3.4	3.2	0.007	0.084	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/87-10/31/96	5	501.187	532.479	630.957	398.107	9852.527	99.26	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/08/87-10/31/96	5	480.	445.6	590.	298.	12758.8	112.955	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/08/87-10/31/96	5	0.08	0.074	0.1	0.03	0.001	0.027	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/08/87-10/31/96	5 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/08/87-10/31/96	5	0.33	0.39	0.81	0.22	0.058	0.241	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/08/87-10/31/96	5	250.	235.4	274.	169.	1837.8	42.87	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/08/87-10/31/96	5	46.4	44.46	52.	29.2	80.308	8.961	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/08/87-10/31/96	5	20.1	19.	21.3	14.3	7.57	2.751	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	04/08/87-10/31/96	5	4.71	4.434	5.94	2.49	1.587	1.26	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	04/08/87-10/31/96	5	1.57	1.744	2.56	1.23	0.255	0.505	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/08/87-10/31/96	5	11.	11.	15.	6.	10.5	3.24	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/08/87-10/31/96	5	271.	238.8	291.	156.	3302.7	57.469	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/08/87-10/31/96	5	8900.	9188.	12000.	6430.	4140670.	2034.864	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/87-10/31/96	5	5.	13.78	44.	2.7	303.212	17.413	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more 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: 4/01 to 7/31 - Station ALPO0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	04/08/87-10/31/96	7	3.3	3.343	3.4	3.3	0.003	0.053	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/08/87-10/31/96	7	3.3	3.34	3.4	3.3	0.003	0.054	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/08/87-10/31/96	7	501.187	457.01	501.187	398.107	3035.857	55.099	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/08/87-10/31/96	7	464.	542.857	996.	258.	89469.143	299.114	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/08/87-10/31/96	7	0.08	0.111	0.2	0.04	0.005	0.07	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/08/87-10/31/96	7 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/08/87-10/31/96	7	0.37	0.414	0.84	0.06	0.093	0.305	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/08/87-10/31/96	7	209.	230.429	403.	136.	7803.286	88.336	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/08/87-10/31/96	7	45.	50.186	81.6	19.3	550.855	23.47	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/08/87-10/31/96	7	19.6	21.971	35.2	12.4	78.749	8.874	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	04/08/87-10/31/96	7	3.9	3.476	4.57	1.9	1.169	1.081	**	**	**	**

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

Seasonal Analysis for Season #3: 4/01 to 7/31 - Station ALPO0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00937	POTASSIUM, TOTAL MG/L AS K)	04/08/87-10/31/96	7	2.09	1.996	2.69	1.18	0.361	0.601	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/08/87-10/31/96	7	12.	10.	14.	3.	15.667	3.958	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/08/87-10/31/96	7	279.	298.	511.	139.	17552.667	132.486	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/08/87-10/31/96	7	14700.	15828.571	38800.	3490.	125541080.952	11204.512	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/08/87-10/31/96	7	27.	24.271	50.	3.7	307.986	17.55	**	**	**	**

** - 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

Station Inventory for Station: ALPO0023

NPS Station ID: ALPO0023 LAT/LON: 40.453088/ -78.539142 Agency: 11NPSWRD Date Created: 01/31/98
Location: BLAIR GAP RUN BELOW SKEW ARCH BRIDGE FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ALPO_PA_2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02050302 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: SUSQUEHANNA RIVER ECO Region:
RF1 Index: 02050302 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON-PA BLAIR COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE SITE IS BELOW THE SKEW ARCH BRIDGE ON THE BLAIR GAP RUN INSIDE THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE. THE DATA ARE FROM A REPORT BY THE PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. THE REPORT IS FROM MARCH 1997 AND IS TITLED "AQUATIC RESOURCES OF THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE FINAL REPORT." THE REPORT HAS AN ADDENDUM WITH ADDITIONAL DATA. THE REPORT IS BY DEAN ARNOLD; BIOLOGICAL RESOURCES DIVISION; USGS; PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT ALLEGHENY PORTAGE RAILROAD NHS; PO BOX 189; CRESSON PA 16630 (814-886-6100). DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (970-225-3516).

Parameter Inventory for Station: ALPO0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/97-06/25/97	2	290.5	290.5	338.	243.	4512.5	67.175	**	**	**	**
00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	03/07/97-06/25/97	2	314.	314.	363.	265.	4802.	69.296	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/15/96-06/25/97	4	6.55	6.65	7.1	6.4	0.11	0.332	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/15/96-06/25/97	4	6.525	6.571	7.1	6.4	0.118	0.344	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/96-06/25/97	4	0.299	0.269	0.398	0.079	0.025	0.157	**	**	**	**
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/15/96-06/25/97	4	35.	32.25	46.	13.	272.25	16.5	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/07/97-06/25/97	2	0.011	0.011	0.02	0.002	0.	0.013	**	**	**	**
30208	FLOW (CUBIC METERS / SEC) CMS	03/07/97-03/07/97	1	0.104	0.104	0.104	0.104	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/07/97-06/25/97	2	10.1	10.1	17.	3.2	95.22	9.758	**	**	**	**

** - 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: ALPO0023

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00				1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	4	2	0.50				1	1	1.00	3	1	0.33			
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: ALPO0024

NPS Station ID: ALPO0024 LAT/LON: 40.453116/ -78.539142 Agency: 11NPSWRD Date Created: 01/31/98
Location: CULVERT ON BLAIR GAP RUN BELOW SKEW ARCH BRIDGE FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ALPO_PA_2A
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02050302 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: SUSQUEHANNA RIVER ECO Region:
RF1 Index: 02050302 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON-PA BLAIR COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE STATION IS FROM THE CULVERT DOWNSTREAM OF THE SKEW ARCH BRIDGE ON THE BLAIR GAP RUN INSIDE THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE. THE DATA ARE FROM A REPORT BY THE PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. THE REPORT IS FROM MARCH 1997 AND IS TITLED "AQUATIC RESOURCES OF THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE FINAL REPORT." THE REPORT HAS AN ADDENDUM WITH ADDITIONAL DATA. THE REPORT IS BY DEAN ARNOLD; BIOLOGICAL RESOURCES DIVISION; USGS; PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT ALLEGHENY PORTAGE RAILROAD NHS; PO BOX 189; CRESSON PA 16630 (814-886-6100). DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (970-225-3516).

Parameter Inventory for Station: ALPO0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/97-03/07/97	1	383.	383.	383.	383.	0.	0.	**	**	**	**
00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	03/07/97-03/07/97	1	414.	414.	414.	414.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/07/97-03/07/97	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/07/97-03/07/97	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/97-03/07/97	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	03/07/97-03/07/97	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/07/97-03/07/97	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/07/97-03/07/97	1	8.2	8.2	8.2	8.2	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: ALPO0024

			Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403 PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						

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

EPA Water Quality Criteria Analysis for Station: ALPO0024

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: ALPO0025

NPS Station ID: ALPO0025 | LAT/LON: 40.452781/ -78.542227 | Agency: 11NPSWRD | Date Created: 01/31/98
Location: CULVERT UNDER OLD ROUTE 22 | FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): ALPO_PA_CULVERT
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 02050302 | Depth of Water: 0 | Aquifer:
Major Basin: NORTH ATLANTIC | Elevation: 0 | Water Body Id:
Minor Basin: SUSQUEHANNA RIVER | ECO Region:
RF1 Index: 02050302 | RF1 Mile Point: 0.000 | Distance from RF1: 18.20 | On/Off RF1:
RF3 Index: 02050303019600.00 | RF3 Mile Point: 1.33 | Distance from RF3: 0.38 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON-PA BLAIR COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE CULVERT UNDER THE OLD ROUTE 22. THE SITE IS LOCATED ON THE BLAIR GAP RUN INSIDE THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE. THE DATA ARE FROM A REPORT BY THE PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. THE REPORT IS FROM MARCH 1997 AND IS TITLED "AQUATIC RESOURCES OF THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE FINAL REPORT." THE REPORT HAS AN ADDENDUM WITH ADDITIONAL DATA. THE REPORT IS BY DEAN ARNOLD; BIOLOGICAL RESOURCES DIVISION; USGS; PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT ALLEGHENY PORTAGE RAILROAD NHS; PO BOX 189; CRESSON PA 16630 (814-886-6100). DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (970-225-3516).

Parameter Inventory for Station: ALPO0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	05/15/96-05/15/96	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/15/96-05/15/96	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/96-05/15/96	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/15/96-05/15/96	1	15.	15.	15.	15.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0025

			Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403 PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
	Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0026

NPS Station ID: ALPO0026 LAT/LON: 40.473337/ -78.545004 Agency: 21PA Date Created: / /
Location: SPRING #3 701 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/MUN/INTAKE/AMBNT/SPRING STORET Station ID(s): ID1193010101303/07091102PG
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02050302 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: CRESSN ST SCH&H EST CRESSN ST SCH&H CAS ECO Region:
RF1 Index: 02050302 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02050201026100.00 RF3 Mile Point: 2.07 Distance from RF3: 0.22 On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	06/03/70-06/03/70	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/03/70-06/03/70	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/70-06/03/70	1	25.119	25.119	25.119	25.119	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/03/70-06/03/70	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/03/70-06/03/70	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/70-06/03/70	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/70-06/03/70	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/03/70-06/03/70	1	0.036	0.036	0.036	0.036	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/03/70-06/03/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/03/70-06/03/70	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00639	NITROGEN, ALBUMINOID AS N IN MG/L	06/03/70-06/03/70	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/03/70-06/03/70	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/03/70-06/03/70	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/03/70-06/03/70	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/03/70-06/03/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/03/70-06/03/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/03/70-06/03/70	1	50.	50.	50.	50.	0.	0.	**	**	**	**
50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	06/03/70-06/03/70	1	9.199	9.199	9.199	9.199	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0026

				Total	Exceed	Prop.	----------8/01-10/31----------			----------11/01-3/31----------			----------4/01-7/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0027

NPS Station ID: ALPO0027 | LAT/LON: 40.473365/ -78.545031 | Agency: 21PA | Date Created: / /
Location: SPRING #4 701 | FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/MUN/INTAKE/AMBNT/SPRING | STORET Station ID(s): ID1193010101304/07091102PI
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 02050302 | Depth of Water: 0 | Aquifer:
Major Basin: | Elevation: 0 | Water Body Id:
Minor Basin: CRESSN ST SCH&H EST CRESSN ST SCH&H CAS | ECO Region:
RF1 Index: 02050302 | RF1 Mile Point: 0.000 | Distance from RF1: 31.90 | On/Off RF1:
RF3 Index: 02050201029200.00 | RF3 Mile Point: 2.47 | Distance from RF3: 0.36 | On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/03/70-12/21/76	2 ##	0.625	0.625	1.	0.25	0.281	0.53	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	12/21/76-12/21/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/03/70-06/03/70	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/03/70-06/03/70	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/70-06/03/70	1	2.512	2.512	2.512	2.512	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/03/70-12/21/76	2	5.9	5.9	6.3	5.5	0.32	0.566	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/03/70-12/21/76	2	5.737	5.737	6.3	5.5	0.373	0.611	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/70-12/21/76	2	1.832	1.832	3.162	0.501	3.541	1.882	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/70-12/21/76	2	7.	7.	10.	4.	18.	4.243	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	12/21/76-12/21/76	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/03/70-12/21/76	2	0.02	0.02	0.03	0.01	0.	0.014	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/03/70-12/21/76	2 ##	0.001	0.001	0.001	0.	0.	0.001	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/03/70-12/21/76	2	0.83	0.83	1.16	0.5	0.218	0.467	**	**	**	**
00639	NITROGEN, ALBUMINOID AS N IN MG/L	06/03/70-06/03/70	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/03/70-12/21/76	2	12.	12.	14.	10.	8.	2.828	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/03/70-12/21/76	2	4.	4.	5.	3.	2.	1.414	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/03/70-12/21/76	2	8.	8.	15.	1.	98.	9.899	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/03/70-06/03/70	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/03/70-12/21/76	2	55.	55.	110.	0.	6050.	77.782	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/03/70-12/21/76	2	45.	45.	60.	30.	450.	21.213	**	**	**	**
50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	06/03/70-06/03/70	1	9.199	9.199	9.199	9.199	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12/21/76-12/21/76	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0027

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	2	0	0.00				1	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	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: ALPO0027

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00				1	0	0.00	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	250.	2	0	0.00				1	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00				1	0	0.00	1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0028

NPS Station ID: ALPO0028 LAT/LON: 40.453031/ -78.547309 Agency: 11NPSWRD Date Created: 01/31/98
Location: BLAIR GAP RUN ACROSS ROUTE 22 FROM LEMON HOUSE FIPS State/County: 42013 PENNSYLVANIA/BLAIR
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ALPO_PA_1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02050302 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: SUSQUEHANNA RIVER ECO Region:
RF1 Index: 02050302 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON-PA BLAIR COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ON THE BLAIR GAP RUN ACROSS ROUTE 22 FROM THE LEMON HOUSE AND IS INSIDE THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE. THE DATA ARE FROM A REPORT BY THE PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. THE REPORT IS FROM MARCH 1997 AND IS TITLED "AQUATIC RESOURCES OF THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE FINAL REPORT." THE REPORT HAS AN ADDENDUM WITH ADDITIONAL DATA. THE REPORT IS BY DEAN ARNOLD; BIOLOGICAL RESOURCES DIVISION; USGS; PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT ALLEGHENY PORTAGE RAILROAD NHS; PO BOX 189; CRESSON PA 16630 (814-886-6100). DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (970-225-3516).

Parameter Inventory for Station: ALPO0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/97-06/25/97	2	391.	391.	432.	350.	3362.	57.983	**	**	**	**
00402	SPECIFIC CONDUCTANCE,NON-TEMPERATURE CORR.UMHOS/CM	05/15/96-06/25/97	4	245.	266.75	465.	112.	33014.917	181.7	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/15/96-06/25/97	5	6.	6.	6.8	4.9	0.505	0.711	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/15/96-06/25/97	5	6.	5.511	6.8	4.9	0.804	0.896	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/96-06/25/97	5	1.	3.081	12.589	0.158	28.449	5.334	**	**	**	**
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/15/96-06/25/97	5	-0.3	7.94	13.	-0.3	32.218	5.676	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/07/97-06/25/97	2	0.055	0.055	0.1	0.009	0.004	0.064	**	**	**	**
30208	FLOW (CUBIC METERS / SEC) CMS	05/23/96-05/23/96	1	0.026	0.026	0.026	0.026	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/07/97-06/25/97	2	27.7	27.7	54.	1.4	1383.38	37.194	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0028

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	5	0	0.00				1	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	5	4	0.80				1	1	1.00	4	3	0.75			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	2	1	0.50				1	0	0.00	1	1	1.00			

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

Station Inventory for Station: ALPO0029

NPS Station ID: ALPO0029
LAT/LON: 40.468615/ -78.553337
Agency: 112WRD
Date Created: 06/16/79
Location: 12
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 402807078331201
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02050201
RF1 Mile Point: 0.000
Distance from RF1: 32.10
On/Off RF1:
RF3 Index: 05010007045500.00
RF3 Mile Point: 1.99
Distance from RF3: 0.83
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/03/70-06/03/70	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/03/70-06/03/70	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/03/70-06/03/70	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/70-06/03/70	1	2.512	2.512	2.512	2.512	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	06/03/70-06/03/70	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/70-06/03/70	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	06/03/70-06/03/70	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/03/70-06/03/70	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	06/03/70-06/03/70	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/03/70-06/03/70	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/03/70-06/03/70	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/03/70-06/03/70	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/03/70-06/03/70	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/03/70-06/03/70	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/03/70-06/03/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/03/70-06/03/70	1	30.	30.	30.	30.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/03/70-06/03/70	1	19.	19.	19.	19.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/03/70-06/03/70	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	06/03/70-06/03/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0029

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0030

NPS Station ID: ALPO0030
LAT/LON: 40.469170/ -78.556115
Agency: 112WRD
Date Created: 06/16/79
Location: 11
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 402809078332201
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02050201
RF1 Mile Point: 0.000
Distance from RF1: 31.30
On/Off RF1:
RF3 Index: 02050201029200.00
RF3 Mile Point: 3.87
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/03/70-06/03/70	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/03/70-06/03/70	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/03/70-06/03/70	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/70-06/03/70	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	06/03/70-06/03/70	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/70-06/03/70	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	06/03/70-06/03/70	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/03/70-06/03/70	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	06/03/70-06/03/70	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/03/70-06/03/70	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/03/70-06/03/70	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/03/70-06/03/70	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/03/70-06/03/70	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/03/70-06/03/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/03/70-06/03/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/03/70-06/03/70	1	50.	50.	50.	50.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/03/70-06/03/70	1	36.	36.	36.	36.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/03/70-06/03/70	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	06/03/70-06/03/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0030

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0031

NPS Station ID: ALPO0031
LAT/LON: 40.423476/ -78.568170
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CHRISTIE HOLLOW CH-17
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_CH-17
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG CHRISTIE HOLLOW. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/94-06/13/94	1	17.2	17.2	17.2	17.2	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/13/94-06/13/94	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/13/94-06/13/94	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/94-06/13/94	1	54.	54.	54.	54.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/13/94-06/13/94	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/13/94-06/13/94	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/94-06/13/94	1	50.119	50.119	50.119	50.119	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/13/94-06/13/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/13/94-06/13/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/94-06/13/94	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/13/94-06/13/94	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/13/94-06/13/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/13/94-06/13/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/13/94-06/13/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/13/94-06/13/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/13/94-06/13/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/13/94-06/13/94	1	36.	36.	36.	36.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/13/94-06/13/94	1	30.	30.	30.	30.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0031

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0032

NPS Station ID: ALPO0032
LAT/LON: 40.425115/ -78.569476
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CHRISTIE HOLLOW CH-18
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_CH-18
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE CHRISTIE HOLLOW. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/94-06/13/94	1	14.2	14.2	14.2	14.2	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/13/94-06/13/94	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/13/94-06/13/94	1	283.	283.	283.	283.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/94-06/13/94	1	374.	374.	374.	374.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/13/94-06/13/94	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/13/94-06/13/94	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/94-06/13/94	1	398.107	398.107	398.107	398.107	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/13/94-06/13/94	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/13/94-06/13/94	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/94-06/13/94	1	794.328	794.328	794.328	794.328	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	1	86.	86.	86.	86.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/13/94-06/13/94	1	193.	193.	193.	193.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/13/94-06/13/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/13/94-06/13/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/13/94-06/13/94	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/13/94-06/13/94	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/13/94-06/13/94	1	7.	7.	7.	7.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/13/94-06/13/94	1	286.	286.	286.	286.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/13/94-06/13/94	1	190.	190.	190.	190.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0032

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0033

NPS Station ID: ALPO0033
LAT/LON: 40.424642/ -78.571892
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CHRISTIE HOLLOW CH-21
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_CH-21
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT CHRISTIE HOLLOW. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/94-06/13/94	1	19.6	19.6	19.6	19.6	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/13/94-06/13/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/13/94-06/13/94	1	302.	302.	302.	302.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/94-06/13/94	1	355.	355.	355.	355.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/13/94-06/13/94	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/13/94-06/13/94	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/94-06/13/94	1	398.107	398.107	398.107	398.107	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/13/94-06/13/94	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/13/94-06/13/94	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/94-06/13/94	1	1584.893	1584.893	1584.893	1584.893	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	1	74.	74.	74.	74.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/13/94-06/13/94	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/13/94-06/13/94	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/13/94-06/13/94	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/13/94-06/13/94	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/13/94-06/13/94	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/13/94-06/13/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/13/94-06/13/94	1	238.	238.	238.	238.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/13/94-06/13/94	1	202.	202.	202.	202.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0033

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0034

NPS Station ID: ALPO0034
LAT/LON: 40.520838/ -78.574170
Agency: 21PA20MD
Date Created: / /
Location: CLR
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 01.30
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050201
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: SUSQUEHANNA RIVER
ECO Region:
RF1 Index: 02050201008
RF1 Mile Point: 19.710
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02050201000819.63
RF3 Mile Point: 19.89
Distance from RF3: 0.11
On/Off RF3:
Description:
UNNAMED TRIB TO CLR

Parameter Inventory for Station: ALPO0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/26/72-07/26/72	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/72-07/26/72	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/72-07/26/72	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/72-07/26/72	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	07/26/72-07/26/72	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/26/72-07/26/72	1	6.	6.	6.	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: ALPO0034

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0035

NPS Station ID: ALPO0035
LAT/LON: 40.423449/ -78.575476
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CHRISTIE HOLLOW CH-13
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_CH-13
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT CHRISTIE HOLLOW. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00058	FLOW, RATE GALLONS/MIN	08/01/94-08/01/94	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/01/94-08/01/94	1	157.	157.	157.	157.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/01/94-08/01/94	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/01/94-08/01/94	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/01/94-08/01/94	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/94-08/01/94	1	31.623	31.623	31.623	31.623	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/01/94-08/01/94	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/01/94-08/01/94	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/94-08/01/94	1	79.433	79.433	79.433	79.433	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/01/94-08/01/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/01/94-08/01/94	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/01/94-08/01/94	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/01/94-08/01/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/01/94-08/01/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/01/94-08/01/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/94-08/01/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/01/94-08/01/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/01/94-08/01/94	1	20.	20.	20.	20.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/01/94-08/01/94	1	105.	105.	105.	105.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0035

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0036

NPS Station ID: ALPO0036
Location: CLR
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02050201
Major Basin: NORTH ATLANTIC
Minor Basin: SUSQUEHANNA RIVER
RF1 Index: 02050201008
RF3 Index: 02050201000742.53
Description:
UNNAMED TRIB TO CLR

LAT/LON: 40.519170/ -78.577781
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 19.860
RF3 Mile Point: 43.90

Agency: 21PA20MD
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
STORET Station ID(s): 01.20
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.02

Date Created: / /
On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: ALPO0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/26/72-07/26/72	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/72-07/26/72	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/72-07/26/72	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/72-07/26/72	1	27.	27.	27.	27.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	07/26/72-07/26/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/26/72-07/26/72	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0036

				Total	Exceed	Prop.	----------8/01-10/31----------			----------11/01-3/31----------			----------4/01-7/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0037

NPS Station ID: ALPO0037
LAT/LON: 40.426559/ -78.578893
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CHRISTIE HOLLOW CH-04
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_CH-04
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT CHRISTIE HOLLOW. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/94-06/13/94	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/13/94-06/13/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/13/94-06/13/94	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/94-06/13/94	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/13/94-06/13/94	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/13/94-06/13/94	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/94-06/13/94	1	1.259	1.259	1.259	1.259	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/13/94-06/13/94	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/13/94-06/13/94	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/94-06/13/94	1	6.31	6.31	6.31	6.31	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/13/94-06/13/94	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/13/94-06/13/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/13/94-06/13/94	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/13/94-06/13/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/13/94-06/13/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/13/94-06/13/94	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/13/94-06/13/94	1	44.	44.	44.	44.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/13/94-06/13/94	1	31.	31.	31.	31.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0037

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0038

NPS Station ID: ALPO0038
LAT/LON: 40.418809/ -78.581615
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CHRISTIE HOLLOW CH-31
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_CH-31
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG CHRISTIE HOLLOW. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-06/14/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/14/94-06/14/94	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/94-06/14/94	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/94-06/14/94	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/14/94-06/14/94	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/94-06/14/94	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/94-06/14/94	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/94-06/14/94	1	19.953	19.953	19.953	19.953	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/14/94-06/14/94	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/14/94-06/14/94	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/94-06/14/94	1	31622.777	31622.777	31622.777	31622.777	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-06/14/94	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/94-06/14/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/94-06/14/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/14/94-06/14/94	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-06/14/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/94-06/14/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-06/14/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/94-06/14/94	1	32.	32.	32.	32.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/94-06/14/94	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

EPA Water Quality Criteria Analysis for Station: ALPO0038

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0039

NPS Station ID: ALPO0039
LAT/LON: 40.448809/ -78.581810
Agency: 11NPSWRD
Date Created: 10/17/98
Location: KOKOMO RUN K-62
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_K-62
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG KOKOMO RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/92-06/02/93	5	10.2	10.28	12.2	8.3	2.817	1.678	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/02/92-06/02/93	5	4.	5.	10.	2.	9.	3.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/02/92-06/02/93	5	800.	767.	900.	656.	9983.	99.915	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/92-06/02/93	5	1019.	1003.	1080.	907.	6336.5	79.602	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/02/92-06/02/93	5	1.2	1.08	2.	0.	0.512	0.716	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/02/92-06/02/93	5	3.1	3.12	3.2	3.	0.007	0.084	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/02/92-06/02/93	5	3.1	3.113	3.2	3.	0.007	0.084	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/02/92-06/02/93	5	794.328	770.114	1000.	630.957	23187.345	152.274	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/02/92-06/02/93	5	3.	3.06	3.3	2.9	0.033	0.182	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/02/92-06/02/93	5	3.	3.032	3.3	2.9	0.034	0.184	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/02/92-06/02/93	5	1000.	929.999	1258.925	501.187	123647.688	351.636	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/92-06/02/93	5	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/02/92-06/02/93	5	120.	117.2	158.	52.	1611.2	40.14	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/02/92-06/02/93	5	481.	452.4	512.	338.	4750.3	68.922	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/02/92-06/02/93	5	6.	8.6	21.	3.	56.3	7.503	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/02/92-06/02/93	5	6.	8.4	21.	3.	55.8	7.47	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/02/93-06/02/93	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/02/92-06/02/93	5	3.1	3.06	4.	1.6	0.908	0.953	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/02/92-06/02/93	5	3.	3.02	4.	1.6	0.922	0.96	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/02/92-06/02/93	5	11.	10.8	12.	10.	0.7	0.837	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/02/92-06/02/93	5	726.	642.4	810.	440.	25806.8	160.645	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/02/92-06/02/93	5	536.	514.	603.	440.	4461.5	66.794	**	**	**	**

** - 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

EPA Water Quality Criteria Analysis for Station: ALPO0039

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4 &	4	1.00	1	1	1.00	1	1	1.00	2	2	1.00			
00403	PH, LAB	Fresh Chronic	9.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00	2	2	1.00	1	1	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00	2	2	1.00	1	1	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	5	1.00	2	2	1.00	1	1	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: ALPO0040

NPS Station ID: ALPO0040
LAT/LON: 40.418587/ -78.581893
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CHRISTIE HOLLOW CH-28
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_CH-28
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE CHRISTIE HOLLOW. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/93-04/03/96	4	8.8	8.65	10.	7.	2.49	1.578	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/03/93-04/03/96	4	16.5	18.75	35.	7.	197.583	14.056	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/93-04/03/96	4	54.	50.75	60.	35.	118.917	10.905	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/03/93-04/03/96	4	55.	56.	70.	44.	180.667	13.441	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/03/93-11/01/94	3	1.1	0.833	1.4	0.	0.543	0.737	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/03/93-04/03/96	4	5.4	5.375	5.6	5.1	0.049	0.222	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/03/93-04/03/96	4	5.389	5.332	5.6	5.1	0.052	0.227	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/93-04/03/96	4	4.087	4.657	7.943	2.512	5.92	2.433	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/03/93-04/03/96	4	5.1	4.575	6.	2.1	2.929	1.711	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/03/93-04/03/96	4	5.055	2.701	6.	2.1	7.611	2.759	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/93-04/03/96	4	8.801	1990.471	7943.282	1.	15749340.648	3968.544	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/93-04/03/96	4	7.5	9.	18.	3.	44.667	6.683	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/03/93-04/03/96	4	11.5	26.	72.	9.	946.	30.757	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/03/93-04/03/96	4	20.5	20.25	24.	16.	14.917	3.862	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/03/93-04/03/96	4	13.	15.5	33.	3.	175.	13.229	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/03/93-04/03/96	4	6.5	5.25	7.	1.	8.25	2.872	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/14/94-06/14/94	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/03/93-04/03/96	4	0.7	0.625	0.7	0.4	0.022	0.15	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/03/93-04/03/96	4	0.7	0.625	0.7	0.4	0.022	0.15	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/03/93-04/03/96	4	0.65	1.65	5.	0.3	5.03	2.243	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/03/93-04/03/96	4	56.	86.5	192.	42.	5033.	70.944	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/03/93-04/03/96	4	36.5	34.	40.	23.	56.667	7.528	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0040

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2 &	2	1.00				1	1	1.00	1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00	1	1	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00	1	1	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			

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

Station Inventory for Station: ALPO0041

NPS Station ID: ALPO0041
LAT/LON: 40.449003/ -78.582477
Agency: 11NPSWRD
Date Created: 10/17/98
Location: KOKOMO RUN K-61
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_K-61
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG KOKOMO RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/92-06/02/93	6	9.85	10.083	13.4	6.9	8.374	2.894	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/02/92-06/02/93	6	24.5	122.	583.	5.	51827.2	227.656	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/02/92-06/02/93	6	736.	720.833	846.	560.	8622.967	92.86	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/92-06/02/93	6	1003.	952.333	1061.	666.	21233.867	145.718	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/02/92-06/02/93	5	6.	6.2	12.	0.2	17.52	4.186	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/02/92-06/02/93	6	3.05	3.133	3.5	3.	0.039	0.197	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/02/92-06/02/93	6	3.047	3.102	3.5	3.	0.04	0.2	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/02/92-06/02/93	6	897.164	790.252	1000.	316.228	76414.61	276.432	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/02/92-06/02/93	6	3.05	3.05	3.4	2.8	0.055	0.235	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/02/92-06/02/93	6	3.047	3.	3.4	2.8	0.058	0.241	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/02/92-06/02/93	6	897.164	998.863	1584.893	398.107	244992.135	494.967	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/92-06/02/93	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/02/92-06/02/93	6	170.	140.333	178.	0.	4879.067	69.85	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/02/92-06/02/93	6	457.	422.167	504.	251.	8345.767	91.355	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/02/92-06/02/93	6	9.5	11.5	24.	3.	64.3	8.019	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/02/92-06/02/93	6	9.5	11.5	24.	3.	64.3	8.019	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/02/93-06/02/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/02/92-06/02/93	6	1.9	1.85	2.5	1.2	0.223	0.472	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/02/92-06/02/93	6	1.9	1.85	2.5	1.2	0.223	0.472	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/02/92-06/02/93	6	12.5	11.667	16.	5.	14.667	3.83	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/02/92-06/02/93	6	600.	547.617	848.	3.7	85921.922	293.124	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/02/92-06/02/93	6	493.	482.833	567.	375.	3881.367	62.301	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0041

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	5	1	0.20	2	1	0.50	1	0	0.00	2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	6	0	0.00	2	0	0.00	1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	6	6	1.00	2	2	1.00	1	1	1.00	3	3	1.00			
00406	PH, FIELD	Fresh Chronic	9.	6	0	0.00	2	0	0.00	1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	6	6	1.00	2	2	1.00	1	1	1.00	3	3	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	6	1.00	2	2	1.00	1	1	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: ALPO0042

NPS Station ID: ALPO0042
LAT/LON: 40.418031/ -78.582588
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CHRISTIE HOLLOW CH-27
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_CH-27
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG CHRISTIE HOLLOW. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/93-04/03/96	4	8.65	8.325	12.	4.	10.889	3.3	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/03/93-04/03/96	4	20.5	24.	53.	2.	523.333	22.876	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/93-04/03/96	4	31.	33.25	45.	26.	67.583	8.221	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/03/93-04/03/96	4	43.	43.5	50.	38.	27.	5.196	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/03/93-06/14/94	2	6.45	6.45	7.6	5.3	2.645	1.626	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/03/93-04/03/96	4	4.9	4.925	5.1	4.8	0.016	0.126	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/03/93-04/03/96	4	4.9	4.912	5.1	4.8	0.016	0.127	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/93-04/03/96	4	12.589	12.243	15.849	7.943	10.577	3.252	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/03/93-04/03/96	4	4.6	4.	5.	1.8	2.247	1.499	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/03/93-04/03/96	4	4.504	2.4	5.	1.8	5.66	2.379	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/93-04/03/96	4	31.354	3980.41	15848.932	10.	62605586.411	7912.369	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/93-04/03/96	4	3.	3.5	6.	2.	3.	1.732	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/03/93-04/03/96	4	9.5	10.75	16.	8.	12.917	3.594	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/03/93-04/03/96	4	15.	15.25	18.	13.	4.25	2.062	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/03/93-04/03/96	4	19.	50.25	158.	5.	5284.25	72.693	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/03/93-04/03/96	4	0.12	0.17	0.4	0.04	0.029	0.171	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/14/94-06/14/94	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/03/93-04/03/96	4	0.55	1.	2.7	0.2	1.313	1.146	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/03/93-04/03/96	4	0.2	0.25	0.4	0.2	0.01	0.1	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/03/93-04/03/96	4	2.	2.625	6.	0.5	6.229	2.496	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/03/93-04/03/96	4	56.	76.	150.	42.	2544.	50.438	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/03/93-05/22/95	3	21.	23.667	30.	20.	30.333	5.508	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0042

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00				1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00				3	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00				3	3	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	1	0	0.00				3	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00				3	3	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	1	0	0.00				3	0	0.00			

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

Station Inventory for Station: ALPO0043

NPS Station ID: ALPO0043
LAT/LON: 40.420781/ -78.582698
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CHRISTIE HOLLOW CH-33
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_CH-33
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT CHRISTIE HOLLOW. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/94-06/13/94	1	21.4	21.4	21.4	21.4	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/13/94-06/13/94	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/13/94-06/13/94	1	119.	119.	119.	119.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/94-06/13/94	1	135.	135.	135.	135.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/13/94-06/13/94	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/13/94-06/13/94	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/94-06/13/94	1	79.433	79.433	79.433	79.433	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/13/94-06/13/94	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/13/94-06/13/94	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/94-06/13/94	1	316.228	316.228	316.228	316.228	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/13/94-06/13/94	1	59.	59.	59.	59.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/13/94-06/13/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/13/94-06/13/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/13/94-06/13/94	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/13/94-06/13/94	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/13/94-06/13/94	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/13/94-06/13/94	1	88.	88.	88.	88.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/13/94-06/13/94	1	80.	80.	80.	80.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0043

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0044

NPS Station ID: ALPO0044
LAT/LON: 40.421337/ -78.582616
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CHRISTIE HOLLOW CH-12
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_CH-12
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT CHRISTIE HOLLOW. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/93-06/13/94	2	19.1	19.1	19.3	18.9	0.08	0.283	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/03/93-06/13/94	2	32.5	32.5	33.	32.	0.5	0.707	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/93-06/13/94	2	36.	36.	45.	27.	162.	12.728	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/03/93-06/13/94	2	37.	37.	39.	35.	8.	2.828	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/03/93-06/13/94	2	4.9	4.9	5.1	4.7	0.08	0.283	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/03/93-06/13/94	2	4.855	4.855	5.1	4.7	0.084	0.29	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/93-06/13/94	2	13.948	13.948	19.953	7.943	72.112	8.492	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/03/93-06/13/94	2	4.15	4.15	4.7	3.6	0.605	0.778	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/03/93-06/13/94	2	3.868	3.868	4.7	3.6	0.764	0.874	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/93-06/13/94	2	135.571	135.571	251.189	19.953	26735.048	163.509	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/93-06/13/94	2	3.	3.	5.	1.	8.	2.828	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/03/93-06/13/94	2	13.5	13.5	22.	5.	144.5	12.021	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/03/93-06/13/94	2	11.5	11.5	12.	11.	0.5	0.707	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/03/93-06/13/94	2	0.35	0.35	0.5	0.2	0.045	0.212	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/03/93-06/13/94	2	0.3	0.3	0.5	0.1	0.08	0.283	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/03/93-06/13/94	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/03/93-06/13/94	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/03/93-06/13/94	2	0.35	0.35	0.4	0.3	0.005	0.071	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/03/93-06/13/94	2	21.	21.	24.	18.	18.	4.243	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/03/93-06/13/94	2	24.	24.	30.	18.	72.	8.485	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0044

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			

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

Station Inventory for Station: ALPO0045

NPS Station ID: ALPO0045
LAT/LON: 40.419559/ -78.582781
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CHRISTIE HOLLOW CH-42
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_CH-42
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT CHRISTIE HOLLOW. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/01/94-04/03/96	2	10.2	10.2	11.	9.4	1.28	1.131	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	11/01/94-04/03/96	2	55.5	55.5	74.	37.	684.5	26.163	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/01/94-04/03/96	2	16.	16.	25.	7.	162.	12.728	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/01/94-04/03/96	2	60.	60.	78.	42.	648.	25.456	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/01/94-04/03/96	2	5.65	5.65	6.1	5.2	0.405	0.636	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/01/94-04/03/96	2	5.45	5.45	6.1	5.2	0.485	0.697	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/01/94-04/03/96	2	3.552	3.552	6.31	0.794	15.209	3.9	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/01/94-04/03/96	2	6.2	6.2	6.8	5.6	0.72	0.849	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/01/94-04/03/96	2	5.874	5.874	6.8	5.6	0.932	0.965	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/01/94-04/03/96	2	1.335	1.335	2.512	0.158	2.769	1.664	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/94-04/03/96	2	4.	4.	5.	3.	2.	1.414	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/01/94-04/03/96	2	24.	24.	42.	6.	648.	25.456	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/01/94-04/03/96	2	16.5	16.5	17.	16.	0.5	0.707	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/01/94-04/03/96	2	6.	6.	11.	1.	50.	7.071	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	11/01/94-04/03/96	2	0.6	0.6	1.	0.2	0.32	0.566	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/01/94-04/03/96	2	0.7	0.7	0.9	0.5	0.08	0.283	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/01/94-04/03/96	2	0.6	0.6	0.8	0.4	0.08	0.283	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/01/94-04/03/96	2	3.4	3.4	6.	0.8	13.52	3.677	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/01/94-04/03/96	2	92.	92.	154.	30.	7688.	87.681	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	11/01/94-04/03/96	2	30.5	30.5	44.	17.	364.5	19.092	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: ALPO0045

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	1	0.50				1	0	0.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00				1	0	0.00	1	0	0.00			

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

Station Inventory for Station: ALPO0046

NPS Station ID: ALPO0046
LAT/LON: 40.419032/ -78.583338
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CHRISTIE HOLLOW CH-41
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_CH-41
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT CHRISTIE HOLLOW. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0046

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/96-04/03/96	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	04/03/96-04/03/96	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/03/96-04/03/96	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/96-04/03/96	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/03/96-04/03/96	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/03/96-04/03/96	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/96-04/03/96	1	7.943	7.943	7.943	7.943	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	04/03/96-04/03/96	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/03/96-04/03/96	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/96-04/03/96	1	2.512	2.512	2.512	2.512	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/96-04/03/96	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	04/03/96-04/03/96	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/03/96-04/03/96	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/03/96-04/03/96	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	04/03/96-04/03/96	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/03/96-04/03/96	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/03/96-04/03/96	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/03/96-04/03/96	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	04/03/96-04/03/96	1	42.	42.	42.	42.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	04/03/96-04/03/96	1	20.	20.	20.	20.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0046

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0047

NPS Station ID: ALPO0047
LAT/LON: 40.447142/ -78.583531
Agency: 11NPSWRD
Date Created: 10/17/98
Location: KOKOMO RUN K-67
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_K-67
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG KOKOMO RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/09/92-06/02/93	5	10.6	12.2	15.2	10.	6.6	2.569	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/09/92-06/02/93	5	50.	37.6	60.	3.	554.3	23.544	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/09/92-06/02/93	5	700.	794.2	1200.	602.	56549.2	237.801	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/09/92-06/02/93	5	993.	1174.6	1905.	932.	169084.3	411.199	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/09/92-06/02/93	5	3.	3.1	3.6	2.9	0.085	0.292	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/09/92-06/02/93	5	3.	3.04	3.6	2.9	0.09	0.299	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/09/92-06/02/93	5	1000.	912.674	1258.925	251.189	174743.627	418.023	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/09/92-06/02/93	5	3.	3.08	3.6	2.8	0.097	0.311	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/09/92-06/02/93	5	3.	3.01	3.6	2.8	0.103	0.321	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/09/92-06/02/93	5	1000.	977.867	1584.893	251.189	252428.103	502.422	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/09/92-06/02/93	5	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/09/92-06/02/93	5	148.	148.	220.	72.	2870.	53.572	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/09/92-06/02/93	5	442.	442.	519.	359.	3389.5	58.219	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/09/92-06/02/93	5	12.	10.8	14.	4.	17.2	4.147	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/09/92-06/02/93	5	10.	10.2	14.	4.	15.2	3.899	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/02/93-06/02/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/09/92-06/02/93	5	1.3	1.6	2.6	1.1	0.385	0.62	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/09/92-06/02/93	5	1.3	1.6	2.6	1.1	0.385	0.62	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/09/92-06/02/93	5	10.	10.8	19.	4.	29.7	5.45	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/09/92-06/02/93	5	668.	703.2	920.	570.	20749.2	144.046	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/09/92-06/02/93	5	469.	532.	804.	403.	25416.5	159.426	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0047

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00	2	2	1.00	1	1	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00	2	2	1.00	1	1	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	5	1.00	2	2	1.00	1	1	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: ALPO0048

NPS Station ID: ALPO0048
LAT/LON: 40.421809/ -78.583615
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CHRISTIE HOLLOW CH-10
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_CH-10
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT CHRISTIE HOLLOW. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/94-06/13/94	1	21.8	21.8	21.8	21.8	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/13/94-06/13/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/13/94-06/13/94	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/94-06/13/94	1	73.	73.	73.	73.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/13/94-06/13/94	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/13/94-06/13/94	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/94-06/13/94	1	12.589	12.589	12.589	12.589	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/13/94-06/13/94	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/13/94-06/13/94	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/94-06/13/94	1	31.623	31.623	31.623	31.623	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/13/94-06/13/94	1	27.	27.	27.	27.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/13/94-06/13/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/13/94-06/13/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/13/94-06/13/94	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/13/94-06/13/94	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/13/94-06/13/94	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/13/94-06/13/94	1	76.	76.	76.	76.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/13/94-06/13/94	1	46.	46.	46.	46.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0048

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0049

NPS Station ID: ALPO0049
LAT/LON: 40.421531/ -78.584115
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CHRISTIE HOLLOW CH-11
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_CH-11
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT CHRISTIE HOLLOW. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/94-06/13/94	1	20.1	20.1	20.1	20.1	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/13/94-06/13/94	1	112.	112.	112.	112.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/13/94-06/13/94	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/13/94-06/13/94	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/13/94-06/13/94	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/13/94-06/13/94	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/94-06/13/94	1	25.119	25.119	25.119	25.119	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/13/94-06/13/94	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/13/94-06/13/94	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/13/94-06/13/94	1	25.119	25.119	25.119	25.119	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/13/94-06/13/94	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/13/94-06/13/94	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/13/94-06/13/94	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/13/94-06/13/94	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/13/94-06/13/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/13/94-06/13/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/13/94-06/13/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/13/94-06/13/94	1	44.	44.	44.	44.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/13/94-06/13/94	1	21.	21.	21.	21.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0049

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0050

NPS Station ID: ALPO0050
LAT/LON: 40.509448/ -78.584171
Agency: 21PA20MD
Date Created: / /
Location: CLR
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 00.01 /TRA-000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050201
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: SUSQUEHANNA RIVER
ECO Region:
RF1 Index: 02050201008
RF1 Mile Point: 20.690
Distance from RF1: 3.00
On/Off RF1: OFF
RF3 Index: 05010007025700.00
RF3 Mile Point: 0.47
Distance from RF3: 0.38
On/Off RF3:
Description:
BDY AT MOUTH

Parameter Inventory for Station: ALPO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/72-10/23/72	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/23/72-10/23/72	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/23/72-10/23/72	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/23/72-10/23/72	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	10/23/72-10/23/72	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	10/23/72-10/23/72	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0050

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0051

NPS Station ID: ALPO0051
LAT/LON: 40.449726/ -78.584254
Agency: 11NPSWRD
Date Created: 10/17/98
Location: KOKOMO RUN K-04
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_K-04
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT KOKOMO RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/92-10/15/92	2	13.4	13.4	14.8	12.	3.92	1.98	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/06/92-10/15/92	2	13.5	13.5	18.	9.	40.5	6.364	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/06/92-10/15/92	2	722.5	722.5	745.	700.	1012.5	31.82	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/06/92-10/15/92	2	1030.	1030.	1035.	1025.	50.	7.071	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/06/92-10/15/92	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/06/92-10/15/92	2	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/06/92-10/15/92	2	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/92-10/15/92	2	794.328	794.328	794.328	794.328	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/06/92-10/15/92	2	3.2	3.2	3.4	3.	0.08	0.283	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/06/92-10/15/92	2	3.155	3.155	3.4	3.	0.084	0.29	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/92-10/15/92	2	699.054	699.054	1000.	398.107	181137.489	425.603	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/06/92-10/15/92	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/06/92-10/15/92	2	153.	153.	164.	142.	242.	15.556	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/06/92-10/15/92	2	444.	444.	454.	434.	200.	14.142	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/06/92-10/15/92	2	7.5	7.5	9.	6.	4.5	2.121	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/06/92-10/15/92	2	6.5	6.5	7.	6.	0.5	0.707	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/06/92-10/15/92	2	3.05	3.05	3.4	2.7	0.245	0.495	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/06/92-10/15/92	2	3.05	3.05	3.4	2.7	0.245	0.495	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/06/92-10/15/92	2	11.	11.	12.	10.	2.	1.414	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/06/92-10/15/92	2	688.	688.	754.	622.	8712.	93.338	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/06/92-10/15/92	2	484.5	484.5	500.	469.	480.5	21.92	**	**	**	**

** - 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: ALPO0051

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	0 &	0	0.00												
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	2	1.00	2	2	1.00									
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	2	1.00	2	2	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0052

NPS Station ID: ALPO0052
LAT/LON: 40.419837/ -78.585976
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CHRISTIE HOLLOW CH-29
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_CH-29
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT CHRISTIE HOLLOW. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-06/14/94	1	17.5	17.5	17.5	17.5	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/14/94-06/14/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/94-06/14/94	1	71.	71.	71.	71.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/94-06/14/94	1	85.	85.	85.	85.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/94-06/14/94	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/94-06/14/94	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/94-06/14/94	1	50.119	50.119	50.119	50.119	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/14/94-06/14/94	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/14/94-06/14/94	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/94-06/14/94	1	3981.072	3981.072	3981.072	3981.072	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-06/14/94	1	31.	31.	31.	31.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/94-06/14/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/94-06/14/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-06/14/94	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/94-06/14/94	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-06/14/94	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/94-06/14/94	1	68.	68.	68.	68.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/94-06/14/94	1	48.	48.	48.	48.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0052

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0053

NPS Station ID: ALPO0053
LAT/LON: 40.420337/ -78.586282
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CHRISTIE HOLLOW CH-34
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_CH-34
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT CHRISTIE HOLLOW. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-06/14/94	1	19.5	19.5	19.5	19.5	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/14/94-06/14/94	1	49.	49.	49.	49.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/94-06/14/94	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/94-06/14/94	1	51.	51.	51.	51.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/94-06/14/94	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/94-06/14/94	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/94-06/14/94	1	31.623	31.623	31.623	31.623	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/14/94-06/14/94	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/14/94-06/14/94	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/94-06/14/94	1	1258.925	1258.925	1258.925	1258.925	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-06/14/94	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/94-06/14/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/94-06/14/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-06/14/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/94-06/14/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-06/14/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/94-06/14/94	1	54.	54.	54.	54.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/94-06/14/94	1	29.	29.	29.	29.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0053

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0054

NPS Station ID: ALPO0054
LAT/LON: 40.473337/ -78.586670
Agency: 21PA20MD
Date Created: / /
Location: TRA
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NTRTMT/OUTFL/STREAM
STORET Station ID(s): 00.15
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050201
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: SUSQUEHANNA RIVER
ECO Region:
RF1 Index: 02050201
RF1 Mile Point: 0.000
Distance from RF1: 9.60
On/Off RF1:
RF3 Index: 02050201029100.00
RF3 Mile Point: 1.20
Distance from RF3: 0.03
On/Off RF3:
Description:
SEEP ACCUMULATION FROM TAILINGS

Parameter Inventory for Station: ALPO0054

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/72-10/17/72	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/72-10/17/72	1	290.	290.	290.	290.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	10/17/72-10/17/72	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	10/17/72-10/17/72	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: ALPO0054

				Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0055

NPS Station ID: ALPO0055
LAT/LON: 40.448699/ -78.586726
Agency: 11NPSWRD
Date Created: 10/17/98
Location: KOKOMO RUN K-12
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_K-12
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT KOKOMO RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/10/92-06/10/92	1	16.5	16.5	16.5	16.5	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/10/92-06/10/92	1	211.	211.	211.	211.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/10/92-06/10/92	1	459.	459.	459.	459.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/10/92-06/10/92	1	610.	610.	610.	610.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/10/92-06/10/92	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/10/92-06/10/92	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/10/92-06/10/92	1	251.189	251.189	251.189	251.189	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/10/92-06/10/92	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/10/92-06/10/92	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/10/92-06/10/92	1	398.107	398.107	398.107	398.107	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/10/92-06/10/92	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/10/92-06/10/92	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/10/92-06/10/92	1	239.	239.	239.	239.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/10/92-06/10/92	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/10/92-06/10/92	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/10/92-06/10/92	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/10/92-06/10/92	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/10/92-06/10/92	1	4.	4.	4.	4.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/10/92-06/10/92	1	402.	402.	402.	402.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/10/92-06/10/92	1	307.	307.	307.	307.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0055

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0056

NPS Station ID: ALPO0056
LAT/LON: 40.475560/ -78.587226
Agency: 21PA20MD
Date Created: / /
Location: TRA
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NTRTMT/OUTFL/STREAM
STORET Station ID(s): 00.16
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050201
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: SUSQUEHANNA RIVER
ECO Region:
RF1 Index: 02050201
RF1 Mile Point: 0.000
Distance from RF1: 12.50
On/Off RF1:
RF3 Index: 02050201029100.00
RF3 Mile Point: 1.54
Distance from RF3: 0.03
On/Off RF3:
Description:
DISCHARGE FROM TAILINGS

Parameter Inventory for Station: ALPO0056

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/72-10/17/72	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	1	111.	111.	111.	111.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/72-10/17/72	1	210.	210.	210.	210.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	10/17/72-10/17/72	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	10/17/72-10/17/72	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0056

				Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0057

NPS Station ID: ALPO0057
Location: TRA
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02050201
Major Basin: NORTH ATLANTIC
Minor Basin: SUSQUEHANNA RIVER
RF1 Index: 02050201
RF3 Index: 02050201029100.00
Description:
UNNAMED TRIB TO TRA

LAT/LON: 40.478059/ -78.588892
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 1.84

Agency: 21PA20MD
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
STORET Station ID(s): 00.14 /TRA-4
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 12.90
Distance from RF3: 0.04

Date Created: / /
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: ALPO0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/72-10/17/72	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/72-10/17/72	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	10/17/72-10/17/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	10/17/72-10/17/72	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: ALPO0057

				Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0058

NPS Station ID: ALPO0058
LAT/LON: 40.417559/ -78.589698
Agency: 11NPSWRD
Date Created: 10/17/98
Location: BEAR ROCK RUN BR-09
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_BR-09
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT BEAR ROCK RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-04/04/96	2	12.3	12.3	17.9	6.7	62.72	7.92	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/14/94-04/04/96	2	1354.5	1354.5	2265.	444.	1658020.5	1287.641	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/94-04/04/96	2	28.5	28.5	33.	24.	40.5	6.364	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/94-04/04/96	2	36.	36.	37.	35.	2.	1.414	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/94-04/04/96	2	5.	5.	5.2	4.8	0.08	0.283	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/94-04/04/96	2	4.955	4.955	5.2	4.8	0.084	0.29	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/94-04/04/96	2	11.079	11.079	15.849	6.31	45.5	6.745	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/14/94-04/04/96	2	4.8	4.8	4.9	4.7	0.02	0.141	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/14/94-04/04/96	2	4.789	4.789	4.9	4.7	0.02	0.142	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/94-04/04/96	2	16.271	16.271	19.953	12.589	27.11	5.207	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-04/04/96	2	7.5	7.5	13.	2.	60.5	7.778	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/94-04/04/96	2	9.	9.	12.	6.	18.	4.243	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-04/04/96	2	12.	12.	13.	11.	2.	1.414	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/94-04/04/96	2	0.085	0.085	0.1	0.07	0.	0.021	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/94-04/04/96	2	0.075	0.075	0.09	0.06	0.	0.021	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-04/04/96	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/94-04/04/96	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-04/04/96	2	0.4	0.4	0.6	0.2	0.08	0.283	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/94-04/04/96	2	31.	31.	32.	30.	2.	1.414	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/94-04/04/96	2	19.	19.	22.	16.	18.	4.243	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0058

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: ALPO0059

NPS Station ID: ALPO0059
LAT/LON: 40.418116/ -78.589587
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CHRISTIE HOLLOW CH-26
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_CH-26
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT CHRISTIE HOLLOW. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0059

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/92-04/04/96	5	17.1	14.3	17.5	6.3	23.225	4.819	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/27/92-04/04/96	5	95.	374.6	1105.	25.	218810.8	467.772	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/27/92-04/04/96	5	46.	38.4	54.	5.	388.3	19.705	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/92-04/04/96	5	64.	62.4	66.	54.	23.3	4.827	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/27/92-04/04/96	5	4.4	4.34	4.4	4.2	0.008	0.089	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/27/92-04/04/96	5	4.4	4.332	4.4	4.2	0.008	0.09	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/92-04/04/96	5	39.811	46.529	63.096	39.811	105.687	10.28	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/27/92-04/04/96	5	3.7	3.9	4.5	3.3	0.275	0.524	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/27/92-04/04/96	5	3.7	3.689	4.5	3.3	0.331	0.575	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/92-04/04/96	5	199.526	204.667	501.187	31.623	36809.209	191.857	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/92-04/04/96	5	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/27/92-04/04/96	5	13.	13.6	17.	10.	8.3	2.881	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/27/92-04/04/96	5	22.	22.2	25.	18.	7.2	2.683	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/27/92-04/04/96	5	0.3	0.32	0.4	0.2	0.007	0.084	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/27/92-04/04/96	5	0.2	0.18	0.3	0.1	0.007	0.084	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	08/03/93-08/03/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/27/92-04/04/96	5	0.4	0.48	0.6	0.4	0.012	0.11	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/27/92-04/04/96	5	0.4	0.46	0.6	0.3	0.018	0.134	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/27/92-04/04/96	5	0.7	0.72	1.	0.5	0.037	0.192	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/27/92-04/04/96	5	48.	50.8	90.	28.	557.2	23.605	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/27/92-04/04/96	5	31.	30.6	36.	25.	21.3	4.615	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0059

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	5	0	0.00	1	0	0.00				4	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00	1	1	1.00				4	4	1.00			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	1	0	0.00				4	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00	1	1	1.00				4	4	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	1	0	0.00				4	0	0.00			

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

Station Inventory for Station: ALPO0060

NPS Station ID: ALPO0060
LAT/LON: 40.477504/ -78.589726
Agency: 21PA20MD
Date Created: / /
Location: TRA
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NTRTMT/OUTFL/STREAM
STORET Station ID(s): 00.17 /TRA-3
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050201
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: SUSQUEHANNA RIVER
ECO Region:
RF1 Index: 02050201
RF1 Mile Point: 0.000
Distance from RF1: 11.30
On/Off RF1:
RF3 Index: 02050201029100.00
RF3 Mile Point: 1.45
Distance from RF3: 0.04
On/Off RF3:
Description:
MINE DISCHARGE FROM SHAFT TO TRA

Parameter Inventory for Station: ALPO0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/72-10/17/72	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	1	700.	700.	700.	700.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/72-10/17/72	1	640.	640.	640.	640.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	10/17/72-10/17/72	1	41.	41.	41.	41.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	10/17/72-10/17/72	1	83.	83.	83.	83.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0060

				Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0061

NPS Station ID: ALPO0061
LAT/LON: 40.469170/ -78.589726
Agency: 21PA20MD
Date Created: / /
Location: TRA
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 00.13 /TRA-5
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050201
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: SUSQUEHANNA RIVER
ECO Region:
RF1 Index: 02050201
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02050201028801.70
RF3 Mile Point: 1.70
Distance from RF3: 0.01
On/Off RF3:
Description:
HEADWATERS OF TRA

Parameter Inventory for Station: ALPO0061

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/72-10/17/72	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	1	89.	89.	89.	89.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/72-10/17/72	1	31.	31.	31.	31.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	10/17/72-10/17/72	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	10/17/72-10/17/72	1	5.	5.	5.	5.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0061

				Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0062

NPS Station ID: ALPO0062
LAT/LON: 40.418199/ -78.591477
Agency: 11NPSWRD
Date Created: 10/17/98
Location: BEAR ROCK RUN BR-14
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_BR-14
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT BEAR ROCK RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-04/04/96	3	15.2	13.167	18.	6.3	37.323	6.109	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/14/94-04/04/96	3	3015.	2293.667	3370.	496.	2455210.333	1566.911	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/94-04/04/96	3	29.	30.667	38.	25.	44.333	6.658	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/94-04/04/96	3	40.	40.667	44.	38.	9.333	3.055	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/94-04/04/96	3	4.8	4.767	4.8	4.7	0.003	0.058	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/94-04/04/96	3	4.8	4.764	4.8	4.7	0.003	0.058	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/94-04/04/96	3	15.849	17.217	19.953	15.849	5.613	2.369	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/14/94-04/04/96	3	4.6	4.667	4.8	4.6	0.013	0.115	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/14/94-04/04/96	3	4.6	4.657	4.8	4.6	0.013	0.116	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/94-04/04/96	3	25.119	22.029	25.119	15.849	28.644	5.352	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-04/04/96	3	2.	5.333	12.	2.	33.333	5.774	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/94-04/04/96	3	10.	11.667	18.	7.	32.333	5.686	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-04/04/96	3	13.	13.333	15.	12.	2.333	1.528	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/94-04/04/96	3	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/94-04/04/96	3	0.08	0.083	0.1	0.07	0.	0.015	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-04/04/96	3	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/94-04/04/96	3	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-04/04/96	3	0.5	0.533	0.8	0.3	0.063	0.252	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/94-04/04/96	3	32.	32.	38.	26.	36.	6.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/94-04/04/96	3	19.	20.333	25.	17.	17.333	4.163	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0062

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00							3	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00							3	3	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00							3	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00							3	3	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00							3	0	0.00			

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

Station Inventory for Station: ALPO0063

NPS Station ID: ALPO0063
Location: TRA
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02050201
Major Basin: NORTH ATLANTIC
Minor Basin: SUSQUEHANNA RIVER
RF1 Index: 02050201008
RF3 Index: 02050201029100.00
Description:
MAINSTREAM TRA

LAT/LON: 40.480281/ -78.591670
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 23.120
RF3 Mile Point: 1.25

Agency: 21PA20MD
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
STORET Station ID(s): 00.18 /TRA-2
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 9.50
Distance from RF3: 0.02

Date Created: / /
On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: ALPO0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/72-10/17/72	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	1	600.	600.	600.	600.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/72-10/17/72	1	450.	450.	450.	450.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	10/17/72-10/17/72	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	10/17/72-10/17/72	1	37.2	37.2	37.2	37.2	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: ALPO0063

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0064

NPS Station ID: ALPO0064
LAT/LON: 40.481670/ -78.591948
Agency: 21PA20MD
Date Created: / /
Location: TRA
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 00.19 /TRA-1
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050201
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: SUSQUEHANNA RIVER
ECO Region:
RF1 Index: 02050201008
RF1 Mile Point: 23.120
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02050201029100.00
RF3 Mile Point: 1.03
Distance from RF3: 0.02
On/Off RF3:
Description:
TRIB TO TRA

Parameter Inventory for Station: ALPO0064

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/72-10/17/72	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/72-10/17/72	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	10/17/72-10/17/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	10/17/72-10/17/72	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0064

				Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0065

NPS Station ID: ALPO0065
LAT/LON: 40.480837/ -78.595282
Agency: 21PA20MD
Date Created: / /
Location: TRA
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NTRTMT/OUTFL/STREAM
STORET Station ID(s): 00.21
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050201
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: SUSQUEHANNA RIVER
ECO Region:
RF1 Index: 02050201008
RF1 Mile Point: 23.120
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02050201029100.00
RF3 Mile Point: 0.93
Distance from RF3: 0.05
On/Off RF3:
Description:
DISCHARGE FROM HOLE IN GROUND

Parameter Inventory for Station: ALPO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/72-10/17/72	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	1	107.	107.	107.	107.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/17/72-10/17/72	1	400.	400.	400.	400.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/72-10/17/72	1	310.	310.	310.	310.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	10/17/72-10/17/72	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	10/17/72-10/17/72	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

EPA Water Quality Criteria Analysis for Station: ALPO0065

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0066

NPS Station ID: ALPO0066
LAT/LON: 40.441503/ -78.595753
Agency: 11NPSWRD
Date Created: 10/17/98
Location: KOKOMO RUN K-60
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_K-60
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG KOKOMO RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0066

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/92-06/03/93	6	10.15	9.967	15.6	4.8	16.307	4.038	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/02/92-06/03/93	6	4.	13.5	60.	1.	533.9	23.106	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/02/92-06/03/93	6	553.	573.333	750.	463.	9551.867	97.734	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/92-06/03/93	6	839.	845.667	1103.	635.	24817.467	157.536	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/02/92-06/03/93	3	6.	6.	8.	4.	4.	2.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/02/92-06/03/93	6	3.1	3.117	3.3	3.	0.014	0.117	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/02/92-06/03/93	6	3.1	3.104	3.3	3.	0.014	0.118	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/02/92-06/03/93	6	794.328	786.8	1000.	501.187	39376.683	198.436	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/02/92-06/03/93	6	3.15	3.183	3.6	2.9	0.062	0.248	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/02/92-06/03/93	6	3.147	3.131	3.6	2.9	0.065	0.255	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/02/92-06/03/93	6	712.643	739.431	1258.925	251.189	129538.316	359.914	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/92-06/03/93	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/02/92-06/03/93	6	147.	155.667	214.	106.	1789.467	42.302	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/02/92-06/03/93	6	373.	359.	451.	235.	7962.4	89.232	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/02/92-06/03/93	6	2.5	3.	6.	2.	2.4	1.549	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/02/92-06/03/93	6	2.	2.5	6.	1.	3.1	1.761	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/03/93-06/03/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/02/92-06/03/93	6	0.8	0.913	2.3	0.08	0.58	0.762	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/02/92-06/03/93	6	0.9	0.967	1.9	0.5	0.251	0.501	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/02/92-06/03/93	6	15.	16.833	32.	9.	62.967	7.935	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/02/92-06/03/93	6	569.	534.333	744.	280.	32635.867	180.654	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/02/92-06/03/93	6	370.5	384.167	503.	310.	4318.167	65.713	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0066

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	1	0.33				1	0	0.00	2	1	0.50			
00403	PH, LAB	Fresh Chronic	9.	6	0	0.00	2	0	0.00	1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	6	6	1.00	2	2	1.00	1	1	1.00	3	3	1.00			
00406	PH, FIELD	Fresh Chronic	9.	6	0	0.00	2	0	0.00	1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	6	6	1.00	2	2	1.00	1	1	1.00	3	3	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	5	0.83	2	2	1.00	1	1	1.00	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: ALPO0067

NPS Station ID: ALPO0067
LAT/LON: 40.442003/ -78.597003
Agency: 11NPSWRD
Date Created: 10/17/98
Location: KOKOMO RUN K-38
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_K-38
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT KOKOMO RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0067

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/06/93-03/06/93	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	03/06/93-03/06/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/06/93-03/06/93	1	349.	349.	349.	349.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/06/93-03/06/93	1	584.	584.	584.	584.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/06/93-03/06/93	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/06/93-03/06/93	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/06/93-03/06/93	1	501.187	501.187	501.187	501.187	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	03/06/93-03/06/93	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/06/93-03/06/93	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/06/93-03/06/93	1	501.187	501.187	501.187	501.187	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/06/93-03/06/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	03/06/93-03/06/93	1	104.	104.	104.	104.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/06/93-03/06/93	1	234.	234.	234.	234.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/06/93-03/06/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/06/93-03/06/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/06/93-03/06/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/06/93-03/06/93	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/06/93-03/06/93	1	13.	13.	13.	13.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	03/06/93-03/06/93	1	310.	310.	310.	310.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	03/06/93-03/06/93	1	234.	234.	234.	234.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0067

Parameter				Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: ALPO0068

NPS Station ID: ALPO0068
LAT/LON: 40.440059/ -78.597587
Agency: 11NPSWRD
Date Created: 10/17/98
Location: KOKOMO RUN K-64
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_K-64
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG KOKOMO RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/92-06/03/93	6	9.95	10.617	13.9	8.1	6.374	2.525	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/02/92-06/03/93	6	4.	7.5	25.	1.	87.9	9.375	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/02/92-06/03/93	6	590.	586.333	750.	323.	22118.267	148.722	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/92-06/03/93	6	841.5	752.667	953.	454.	45997.467	214.47	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/02/92-06/03/93	4	7.	6.8	7.2	6.	0.293	0.542	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/02/92-06/03/93	6	3.05	3.683	6.6	3.	2.066	1.437	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/02/92-06/03/93	6	3.047	3.156	6.6	3.	2.4	1.549	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/02/92-06/03/93	6	897.164	698.781	1000.	0.251	171935.316	414.651	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/02/92-06/03/93	6	3.1	3.133	3.5	2.8	0.059	0.242	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/02/92-06/03/93	6	3.1	3.08	3.5	2.8	0.062	0.249	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/02/92-06/03/93	6	794.328	831.827	1584.893	316.228	194673.678	441.218	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/92-06/03/93	6	0.	1.833	11.	0.	20.167	4.491	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/02/92-06/03/93	6	152.	120.333	178.	0.	5143.067	71.715	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/02/92-06/03/93	6	324.5	306.5	478.	174.	13555.5	116.428	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/02/92-06/03/93	6	2.5	2.017	3.	0.4	1.45	1.204	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/02/92-06/03/93	6	2.	1.65	3.	0.1	1.063	1.031	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/03/93-06/03/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/02/92-06/03/93	6	0.9	0.8	1.	0.4	0.064	0.253	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/02/92-06/03/93	6	0.9	0.8	1.	0.4	0.064	0.253	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/02/92-06/03/93	6	14.	12.417	21.	0.5	62.642	7.915	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/02/92-06/03/93	6	464.	453.667	686.	216.	25515.867	159.737	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/02/92-06/03/93	6	395.5	393.	503.	216.	9978.8	99.894	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0068

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	6	0	0.00	2	0	0.00	1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	6	5	0.83	2	2	1.00	1	1	1.00	3	2	0.67			
00406	PH, FIELD	Fresh Chronic	9.	6	0	0.00	2	0	0.00	1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	6	6	1.00	2	2	1.00	1	1	1.00	3	3	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	4	0.67	2	2	1.00	1	1	1.00	3	1	0.33			

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

Station Inventory for Station: ALPO0069

NPS Station ID: ALPO0069
LAT/LON: 40.441170/ -78.598642
Agency: 11NPSWRD
Date Created: 10/17/98
Location: KOKOMO RUN K-34
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_K-34
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT KOKOMO RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/06/93-03/06/93	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	03/06/93-03/06/93	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/06/93-03/06/93	1	405.	405.	405.	405.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/06/93-03/06/93	1	762.	762.	762.	762.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/06/93-03/06/93	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/06/93-03/06/93	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/06/93-03/06/93	1	794.328	794.328	794.328	794.328	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	03/06/93-03/06/93	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/06/93-03/06/93	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/06/93-03/06/93	1	630.957	630.957	630.957	630.957	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/06/93-03/06/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	03/06/93-03/06/93	1	144.	144.	144.	144.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/06/93-03/06/93	1	314.	314.	314.	314.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/06/93-03/06/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/06/93-03/06/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/06/93-03/06/93	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/06/93-03/06/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/06/93-03/06/93	1	18.	18.	18.	18.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	03/06/93-03/06/93	1	466.	466.	466.	466.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	03/06/93-03/06/93	1	271.	271.	271.	271.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0069

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0070

NPS Station ID: ALPO0070
LAT/LON: 40.439060/ -78.598949
Agency: 11NPSWRD
Date Created: 10/17/98
Location: KOKOMO RUN K-59
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_K-59
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG KOKOMO RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0070

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/92-11/06/93	3	10.8	10.233	12.6	7.3	7.263	2.695	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/02/92-11/06/93	3	2.	2.	3.	1.	1.	1.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/02/92-11/06/93	3	275.	290.667	375.	222.	6036.333	77.694	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/92-11/06/93	3	366.	356.333	393.	310.	1792.333	42.336	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/02/92-06/03/93	2	6.9	6.9	7.8	6.	1.62	1.273	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/02/92-11/06/93	3	3.7	3.667	3.8	3.5	0.023	0.153	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/02/92-11/06/93	3	3.7	3.648	3.8	3.5	0.024	0.154	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/02/92-11/06/93	3	199.526	224.748	316.228	158.489	6697.449	81.838	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/02/92-06/03/93	2	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/02/92-06/03/93	2	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/02/92-06/03/93	2	316.228	316.228	316.228	316.228	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/92-11/06/93	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/02/92-11/06/93	3	46.	46.	60.	32.	196.	14.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/02/92-11/06/93	3	122.	120.333	169.	70.	2452.333	49.521	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/02/92-11/06/93	3	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/02/92-11/06/93	3	0.5	0.533	0.7	0.4	0.023	0.153	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/03/93-11/06/93	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/02/92-11/06/93	3	0.4	0.367	0.4	0.3	0.003	0.058	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/02/92-11/06/93	3	0.4	0.367	0.4	0.3	0.003	0.058	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/02/92-11/06/93	3	5.	4.333	6.	2.	4.333	2.082	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/02/92-11/06/93	3	246.	205.333	252.	118.	5729.333	75.692	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/02/92-11/06/93	3	184.	194.667	251.	149.	2686.333	51.83	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0070

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				1	1	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00				1	0	0.00	2	0	0.00			

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

Station Inventory for Station: ALPO0071

NPS Station ID: ALPO0071
LAT/LON: 40.439087/ -78.599392
Agency: 11NPSWRD
Date Created: 10/17/98
Location: KOKOMO RUN K-58
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_K-58
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG KOKOMO RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/92-06/03/93	5	9.9	9.72	12.5	6.3	6.092	2.468	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/02/92-06/03/93	5	3.	3.2	6.	1.	5.2	2.28	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/02/92-06/03/93	5	317.	290.4	340.	175.	4363.3	66.055	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/92-06/03/93	5	390.	381.	465.	244.	6983.	83.564	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/02/92-06/03/93	4	5.5	5.8	8.	4.2	2.693	1.641	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/02/92-06/03/93	5	3.6	3.86	5.1	3.4	0.493	0.702	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/02/92-06/03/93	5	3.6	3.63	5.1	3.4	0.559	0.748	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/02/92-06/03/93	5	251.189	234.599	398.107	7.943	21569.077	146.864	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/02/92-06/03/93	5	3.4	3.92	5.8	3.4	1.112	1.055	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/02/92-06/03/93	5	3.4	3.538	5.8	3.4	1.294	1.138	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/02/92-06/03/93	5	398.107	289.419	398.107	1.585	29937.347	173.024	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/92-06/03/93	5	0.	0.6	3.	0.	1.8	1.342	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/02/92-06/03/93	5	40.	38.	54.	10.	314.	17.72	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/02/92-06/03/93	5	110.	112.8	173.	45.	3320.7	57.626	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/02/92-06/03/93	5	2.	3.14	7.	0.7	6.048	2.459	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/02/92-06/03/93	5	0.5	0.48	0.6	0.3	0.017	0.13	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/03/93-06/03/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/02/92-06/03/93	5	0.2	0.178	0.3	0.09	0.007	0.086	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/02/92-06/03/93	5	0.2	0.18	0.3	0.1	0.007	0.084	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/02/92-06/03/93	5	4.	3.12	5.	0.6	4.672	2.161	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/02/92-06/03/93	5	204.	212.8	252.	160.	1363.2	36.922	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/02/92-06/03/93	5	214.	198.2	232.	117.	2205.7	46.965	**	**	**	**

** - 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

EPA Water Quality Criteria Analysis for Station: ALPO0071

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00	2	2	1.00	1	1	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00	2	2	1.00	1	1	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0072

NPS Station ID: ALPO0072
LAT/LON: 40.438253/ -78.600670
Agency: 11NPSWRD
Date Created: 10/17/98
Location: KOKOMO RUN K-56
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_K-56
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG KOKOMO RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/92-06/03/93	5	10.	9.7	11.8	6.4	5.15	2.269	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/02/92-06/03/93	5	5.	13.2	45.	1.	329.2	18.144	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/02/92-06/03/93	5	323.	349.2	453.	230.	9833.7	99.165	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/92-06/03/93	5	430.	449.4	711.	323.	23819.3	154.335	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/02/92-06/03/93	4	4.7	4.8	6.2	3.6	1.467	1.211	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/02/92-06/03/93	5	4.1	4.06	4.3	3.8	0.033	0.182	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/02/92-06/03/93	5	4.1	4.029	4.3	3.8	0.034	0.185	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/02/92-06/03/93	5	79.433	93.495	158.489	50.119	1635.892	40.446	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/02/92-06/03/93	5	4.	4.06	4.6	3.7	0.108	0.329	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/02/92-06/03/93	5	4.	3.979	4.6	3.7	0.116	0.341	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/02/92-06/03/93	5	100.	104.929	199.526	25.119	3847.795	62.031	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/92-06/03/93	5	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/02/92-06/03/93	5	44.	54.4	114.	26.	1242.8	35.253	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/02/92-06/03/93	5	195.	215.2	423.	108.	16378.2	127.977	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/02/92-06/03/93	5	0.3	0.42	1.	0.2	0.112	0.335	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/02/92-06/03/93	5	0.2	0.24	0.4	0.1	0.013	0.114	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/03/93-06/03/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/02/92-06/03/93	5	0.3	0.36	0.8	0.2	0.063	0.251	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/02/92-06/03/93	5	0.3	0.36	0.8	0.2	0.063	0.251	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/02/92-06/03/93	5	8.	8.8	20.	3.	45.7	6.76	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/02/92-06/03/93	5	308.	370.	704.	226.	37332.	193.215	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/02/92-06/03/93	5	216.	234.	304.	154.	4462.	66.798	**	**	**	**

** - 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: ALPO0072

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	2	0.50	1	1	1.00	1	0	0.00	2	1	0.50			
00403	PH, LAB	Fresh Chronic	9.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00	2	2	1.00	1	1	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00	2	2	1.00	1	1	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	1	0.20	2	0	0.00	1	0	0.00	2	1	0.50			

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

Station Inventory for Station: ALPO0073

NPS Station ID: ALPO0073
LAT/LON: 40.454865/ -78.601921
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_UT01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-06/07/93	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/07/93-06/07/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-06/07/93	1	58.	58.	58.	58.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-06/07/93	1	69.	69.	69.	69.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/07/93-06/07/93	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/07/93-06/07/93	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-06/07/93	1	1.259	1.259	1.259	1.259	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/07/93-06/07/93	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/07/93-06/07/93	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-06/07/93	1	1.585	1.585	1.585	1.585	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-06/07/93	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/07/93-06/07/93	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-06/07/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-06/07/93	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-06/07/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-06/07/93	1	13.	13.	13.	13.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-06/07/93	1	38.7	38.7	38.7	38.7	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-06/07/93	1	39.	39.	39.	39.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0073

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0074

NPS Station ID: ALPO0074
LAT/LON: 40.454004/ -78.603031
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT02
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_UT02
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-06/07/93	1	19.9	19.9	19.9	19.9	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/07/93-06/07/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-06/07/93	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-06/07/93	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/07/93-06/07/93	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/07/93-06/07/93	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-06/07/93	1	1.259	1.259	1.259	1.259	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/07/93-06/07/93	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/07/93-06/07/93	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-06/07/93	1	1.259	1.259	1.259	1.259	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-06/07/93	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/07/93-06/07/93	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-06/07/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-06/07/93	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-06/07/93	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-06/07/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-06/07/93	1	33.	33.	33.	33.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-06/07/93	1	15.	15.	15.	15.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0074

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0075

NPS Station ID: ALPO0075
LAT/LON: 40.441698/ -78.606892
Agency: 11NPSWRD
Date Created: 10/17/98
Location: KOKOMO RUN K-19
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_K-19
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT KOKOMO RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/09/92-06/03/93	4	14.95	13.925	18.6	7.2	24.663	4.966	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/09/92-06/03/93	4	233.	297.	636.	86.	58198.667	241.244	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/09/92-06/03/93	4	380.	410.	540.	340.	8466.667	92.014	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/09/92-06/03/93	4	544.	542.	609.	471.	4412.	66.423	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/09/92-06/03/93	4	4.2	4.2	4.3	4.1	0.007	0.082	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/09/92-06/03/93	4	4.2	4.194	4.3	4.1	0.007	0.082	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/09/92-06/03/93	4	63.096	63.936	79.433	50.119	144.16	12.007	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/09/92-06/03/93	4	4.15	4.275	4.7	4.1	0.083	0.287	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/09/92-06/03/93	4	4.147	4.218	4.7	4.1	0.087	0.295	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/09/92-06/03/93	4	71.264	60.479	79.433	19.953	789.243	28.093	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/09/92-06/03/93	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/09/92-06/03/93	4	30.	29.5	32.	26.	9.	3.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/09/92-06/03/93	4	227.5	218.25	247.	171.	1078.25	32.837	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/09/92-06/03/93	4	0.4	0.475	0.7	0.4	0.022	0.15	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/09/92-06/03/93	4	0.4	0.375	0.4	0.3	0.003	0.05	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/09/92-06/03/93	4	1.2	1.375	2.3	0.8	0.422	0.65	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/09/92-06/03/93	4	1.15	1.35	2.2	0.9	0.337	0.58	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/09/92-06/03/93	4	3.	3.25	4.	3.	0.25	0.5	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/09/92-06/03/93	4	456.	447.5	548.	330.	9427.667	97.096	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/09/92-06/03/93	4	254.5	274.5	361.	228.	3761.667	61.332	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0075

Parameter				Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	2	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	2	2	1.00				2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	2	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	2	2	1.00				2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0076

NPS Station ID: ALPO0076
LAT/LON: 40.483616/ -78.609449
Agency: 21PA20MD
Date Created: / /
Location: TRA
FIPS State/County: 42033 PENNSYLVANIA/CLEARFIELD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 00.11
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050201
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: SUSQUEHANNA RIVER
ECO Region:
RF1 Index: 02050201008
RF1 Mile Point: 23.410
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02050201000735.64
RF3 Mile Point: 35.63
Distance from RF3: 0.00
On/Off RF3:
Description:
MOUTH TRA

Parameter Inventory for Station: ALPO0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/72-12/03/72	3	7.	6.	8.	3.	7.	2.646	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/72-12/03/72	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/17/72-12/03/72	3	70.	56.667	70.	30.	533.333	23.094	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/72-12/03/72	3	208.	221.	310.	145.	6933.	83.265	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	10/17/72-12/03/72	3	0.1	0.2	0.4	0.1	0.03	0.173	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	10/17/72-12/03/72	3	10.9	16.167	28.8	8.8	120.803	10.991	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0076

				Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0077

NPS Station ID: ALPO0077
LAT/LON: 40.448699/ -78.609837
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT03
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_UT03
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-06/07/93	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/07/93-06/07/93	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-06/07/93	1	250.	250.	250.	250.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-06/07/93	1	630.	630.	630.	630.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/07/93-06/07/93	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/07/93-06/07/93	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-06/07/93	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/07/93-06/07/93	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/07/93-06/07/93	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-06/07/93	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	1	94.	94.	94.	94.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-06/07/93	1	92.	92.	92.	92.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/07/93-06/07/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-06/07/93	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-06/07/93	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-06/07/93	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-06/07/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-06/07/93	1	166.7	166.7	166.7	166.7	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-06/07/93	1	168.	168.	168.	168.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0077

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0078

NPS Station ID: ALPO0078
LAT/LON: 40.441476/ -78.610226
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-10
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_LCR-10
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/09/92-06/09/92	1	20.9	20.9	20.9	20.9	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/09/92-06/09/92	1	2776.	2776.	2776.	2776.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/09/92-06/09/92	1	351.	351.	351.	351.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/09/92-06/09/92	1	396.	396.	396.	396.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/09/92-06/09/92	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/09/92-06/09/92	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/09/92-06/09/92	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/09/92-06/09/92	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/09/92-06/09/92	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/09/92-06/09/92	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/09/92-06/09/92	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/09/92-06/09/92	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/09/92-06/09/92	1	46.	46.	46.	46.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/09/92-06/09/92	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/09/92-06/09/92	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/09/92-06/09/92	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/09/92-06/09/92	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/09/92-06/09/92	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/09/92-06/09/92	1	228.	228.	228.	228.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/09/92-06/09/92	1	235.	235.	235.	235.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0078

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0079

NPS Station ID: ALPO0079
LAT/LON: 40.483337/ -78.610003
Agency: 21PA20MD
Date Created: / /
Location: CLR
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 00.12
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02050201
Depth of Water: 3
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: SUSQUEHANNA RIVER
ECO Region:
RF1 Index: 02050201008
RF1 Mile Point: 23.410
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02050201001800.00
RF3 Mile Point: 0.11
Distance from RF3: 0.00
On/Off RF3:
Description:
CLR ABOVE TRA

Parameter Inventory for Station: ALPO0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/72-12/03/72	3	5.	22.333	59.	3.	1009.333	31.77	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/72-12/03/72	3	26.	31.667	49.	20.	234.333	15.308	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/17/72-12/03/72	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/72-12/03/72	3	19.	22.333	30.	18.	44.333	6.658	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	10/17/72-12/03/72	3	0.2	0.133	0.2	0.	0.013	0.115	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	10/17/72-12/03/72	3	0.6	0.7	1.1	0.4	0.13	0.361	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0079

				Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00945	SULFATE, TOTAL (AS SO4)	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

Station Inventory for Station: ALPO0080

NPS Station ID: ALPO0080
LAT/LON: 40.440865/ -78.610949
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-11
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_LCR-11
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/09/92-06/09/92	1	19.6	19.6	19.6	19.6	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/09/92-06/09/92	1	1028.	1028.	1028.	1028.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/09/92-06/09/92	1	321.	321.	321.	321.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/09/92-06/09/92	1	398.	398.	398.	398.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/09/92-06/09/92	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/09/92-06/09/92	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/09/92-06/09/92	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/09/92-06/09/92	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/09/92-06/09/92	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/09/92-06/09/92	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/09/92-06/09/92	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/09/92-06/09/92	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/09/92-06/09/92	1	87.	87.	87.	87.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/09/92-06/09/92	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/09/92-06/09/92	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/09/92-06/09/92	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/09/92-06/09/92	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/09/92-06/09/92	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/09/92-06/09/92	1	262.	262.	262.	262.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/09/92-06/09/92	1	215.	215.	215.	215.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0080

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0081

NPS Station ID: ALPO0081
LAT/LON: 40.438365/ -78.613116
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-12
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-12
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/08/94-04/04/95	4	10.2	10.025	11.4	8.3	1.702	1.305	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/08/94-04/04/95	4	39.	40.5	64.	20.	328.333	18.12	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/08/94-04/04/95	4	537.5	543.75	600.	500.	1722.917	41.508	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/94-04/04/95	4	661.	660.5	674.	646.	133.667	11.561	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/08/94-04/04/95	4	1.05	1.025	1.4	0.6	0.109	0.33	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/08/94-04/04/95	4	6.65	6.625	6.8	6.4	0.029	0.171	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/08/94-04/04/95	4	6.647	6.599	6.8	6.4	0.03	0.173	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/08/94-04/04/95	4	0.225	0.252	0.398	0.158	0.011	0.105	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/08/94-04/04/95	4	6.55	6.65	7.7	5.8	0.75	0.866	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/08/94-04/04/95	4	6.35	6.204	7.7	5.8	1.015	1.007	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/08/94-04/04/95	4	0.447	0.625	1.585	0.02	0.531	0.728	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/08/94-04/04/95	4	97.	96.5	98.	94.	3.667	1.915	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/08/94-04/04/95	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/08/94-04/04/95	4	269.5	270.75	292.	252.	276.917	16.641	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/08/94-04/04/95	4	9.	9.25	11.	8.	2.25	1.5	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/08/94-04/04/95	4	8.5	8.25	9.	7.	0.917	0.957	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/08/94-04/04/95	4	0.45	0.45	0.5	0.4	0.003	0.058	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/08/94-04/04/95	4	0.45	0.45	0.5	0.4	0.003	0.058	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/08/94-04/04/95	4	0.1	0.15	0.3	0.1	0.01	0.1	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/08/94-04/04/95	4	567.	545.5	586.	462.	3185.	56.436	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/08/94-04/04/95	4	359.	363.75	402.	335.	778.917	27.909	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0081

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	4	1.00	1	1	1.00	1	1	1.00	2	2	1.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	1	0.25	1	0	0.00	1	0	0.00	2	1	0.50			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	2	0.50	1	1	1.00	1	0	0.00	2	1	0.50			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00	1	1	1.00	1	1	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: ALPO0082

NPS Station ID: ALPO0082
LAT/LON: 40.396781/ -78.613976
Agency: 11NPSWRD
Date Created: 10/17/98
Location: BENSCREEK BC-31
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_BC-31
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT BENSCREEK RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/08/93-06/08/93	1	12.8	12.8	12.8	12.8	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/08/93-06/08/93	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/08/93-06/08/93	1	366.	366.	366.	366.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/93-06/08/93	1	467.	467.	467.	467.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/08/93-06/08/93	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/08/93-06/08/93	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/08/93-06/08/93	1	251.189	251.189	251.189	251.189	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/08/93-06/08/93	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/08/93-06/08/93	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/08/93-06/08/93	1	25.119	25.119	25.119	25.119	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/08/93-06/08/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/08/93-06/08/93	1	66.	66.	66.	66.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/08/93-06/08/93	1	229.	229.	229.	229.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/08/93-06/08/93	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/08/93-06/08/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/08/93-06/08/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/08/93-06/08/93	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/08/93-06/08/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/08/93-06/08/93	1	244.	244.	244.	244.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/08/93-06/08/93	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: ALPO0082

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0083

NPS Station ID: ALPO0083
LAT/LON: 40.438559/ -78.614253
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-13
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-13
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/22/94-09/22/94	1	11.2	11.2	11.2	11.2	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	09/22/94-09/22/94	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/22/94-09/22/94	1	600.	600.	600.	600.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/22/94-09/22/94	1	674.	674.	674.	674.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/22/94-09/22/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/22/94-09/22/94	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/22/94-09/22/94	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/22/94-09/22/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/22/94-09/22/94	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/22/94-09/22/94	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/22/94-09/22/94	1	0.794	0.794	0.794	0.794	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/22/94-09/22/94	1	94.	94.	94.	94.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	09/22/94-09/22/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/22/94-09/22/94	1	257.	257.	257.	257.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/22/94-09/22/94	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/22/94-09/22/94	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/22/94-09/22/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/22/94-09/22/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	09/22/94-09/22/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	09/22/94-09/22/94	1	576.	576.	576.	576.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	09/22/94-09/22/94	1	402.	402.	402.	402.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0083

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00	1	1	1.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0084

NPS Station ID: ALPO0084
LAT/LON: 40.439587/ -78.615698
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT04
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_UT04
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0084

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/08/93-06/08/93	1	16.2	16.2	16.2	16.2	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/08/93-06/08/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/08/93-06/08/93	1	75.	75.	75.	75.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/93-06/08/93	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/08/93-06/08/93	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/08/93-06/08/93	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/08/93-06/08/93	1	0.794	0.794	0.794	0.794	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/08/93-06/08/93	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/08/93-06/08/93	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/08/93-06/08/93	1	0.794	0.794	0.794	0.794	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/08/93-06/08/93	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/08/93-06/08/93	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/08/93-06/08/93	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/08/93-06/08/93	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/08/93-06/08/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/08/93-06/08/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/08/93-06/08/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/08/93-06/08/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/08/93-06/08/93	1	50.	50.	50.	50.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/08/93-06/08/93	1	50.	50.	50.	50.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0084

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0085

NPS Station ID: ALPO0085
LAT/LON: 40.395753/ -78.617142
Agency: 11NPSWRD
Date Created: 10/17/98
Location: BENSCREEK BC-42
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_BC-42
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT BENSCREEK RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-06/07/93	1	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/07/93-06/07/93	1	153.	153.	153.	153.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-06/07/93	1	109.	109.	109.	109.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-06/07/93	1	102.	102.	102.	102.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/07/93-06/07/93	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/07/93-06/07/93	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-06/07/93	1	39.811	39.811	39.811	39.811	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/07/93-06/07/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/07/93-06/07/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-06/07/93	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-06/07/93	1	42.	42.	42.	42.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/07/93-06/07/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-06/07/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-06/07/93	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-06/07/93	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-06/07/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-06/07/93	1	48.4	48.4	48.4	48.4	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-06/07/93	1	73.	73.	73.	73.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0085

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0086

NPS Station ID: ALPO0086
LAT/LON: 40.394392/ -78.617226
Agency: 11NPSWRD
Date Created: 10/17/98
Location: BENSCREEK BC-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_BC-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT BENSCREEK RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-06/14/93	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/14/93-06/14/93	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-06/14/93	1	85.	85.	85.	85.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-06/14/93	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/93-06/14/93	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/93-06/14/93	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-06/14/93	1	7.943	7.943	7.943	7.943	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/14/93-06/14/93	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/14/93-06/14/93	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-06/14/93	1	7.943	7.943	7.943	7.943	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-06/14/93	1	54.	54.	54.	54.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/93-06/14/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-06/14/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-06/14/93	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-06/14/93	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-06/14/93	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-06/14/93	1	56.7	56.7	56.7	56.7	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-06/14/93	1	57.	57.	57.	57.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0086

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0087

NPS Station ID: ALPO0087
LAT/LON: 40.395670/ -78.617532
Agency: 11NPSWRD
Date Created: 10/17/98
Location: BENSCREEK BC-40
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_BC-40
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT BENSCREEK RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-06/07/93	1	10.8	10.8	10.8	10.8	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/07/93-06/07/93	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-06/07/93	1	138.	138.	138.	138.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-06/07/93	1	197.	197.	197.	197.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/07/93-06/07/93	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/07/93-06/07/93	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-06/07/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/07/93-06/07/93	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/07/93-06/07/93	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-06/07/93	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	1	74.	74.	74.	74.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-06/07/93	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/07/93-06/07/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-06/07/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-06/07/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-06/07/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-06/07/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-06/07/93	1	91.7	91.7	91.7	91.7	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-06/07/93	1	92.	92.	92.	92.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0087

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0088

NPS Station ID: ALPO0088
LAT/LON: 40.395892/ -78.617892
Agency: 11NPSWRD
Date Created: 10/17/98
Location: BENSCREEK BC-41
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_BC-41
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT BENSCREEK RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-06/07/93	1	10.7	10.7	10.7	10.7	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/07/93-06/07/93	1	274.	274.	274.	274.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-06/07/93	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-06/07/93	1	199.	199.	199.	199.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/07/93-06/07/93	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/07/93-06/07/93	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-06/07/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/07/93-06/07/93	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/07/93-06/07/93	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-06/07/93	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	1	82.	82.	82.	82.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-06/07/93	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/07/93-06/07/93	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-06/07/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-06/07/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-06/07/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-06/07/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-06/07/93	1	93.3	93.3	93.3	93.3	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-06/07/93	1	93.	93.	93.	93.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0088

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0089

NPS Station ID: ALPO0089
LAT/LON: 40.397309/ -78.620449
Agency: 11NPSWRD
Date Created: 10/17/98
Location: BENSCREEK BC-08
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_BC-08
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT BENSCREEK RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-06/14/93	1	11.2	11.2	11.2	11.2	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/14/93-06/14/93	1	473.	473.	473.	473.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-06/14/93	1	114.	114.	114.	114.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-06/14/93	1	149.	149.	149.	149.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/93-06/14/93	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/93-06/14/93	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-06/14/93	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/14/93-06/14/93	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/14/93-06/14/93	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-06/14/93	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-06/14/93	1	33.	33.	33.	33.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/93-06/14/93	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-06/14/93	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-06/14/93	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-06/14/93	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-06/14/93	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-06/14/93	1	76.	76.	76.	76.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-06/14/93	1	96.	96.	96.	96.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0089

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0090

NPS Station ID: ALPO0090
LAT/LON: 40.396671/ -78.620615
Agency: 11NPSWRD
Date Created: 10/17/98
Location: BENSCREEK BC-09
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_BC-09
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT BENSCREEK RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-06/14/93	1	14.6	14.6	14.6	14.6	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/14/93-06/14/93	1	1838.	1838.	1838.	1838.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-06/14/93	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-06/14/93	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/93-06/14/93	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/93-06/14/93	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-06/14/93	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/14/93-06/14/93	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/14/93-06/14/93	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-06/14/93	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-06/14/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/93-06/14/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-06/14/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-06/14/93	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-06/14/93	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-06/14/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-06/14/93	1	22.7	22.7	22.7	22.7	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-06/14/93	1	23.	23.	23.	23.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0090

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0091

NPS Station ID: ALPO0091
LAT/LON: 40.409142/ -78.620754
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT07-08
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_UT07-08
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0091

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/93-02/01/95	4	9.65	9.55	13.	5.9	9.817	3.133	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/20/93-02/01/95	4	12.	19.25	50.	3.	470.917	21.701	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/20/93-02/01/95	4	355.	392.5	513.	347.	6484.333	80.525	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/93-02/01/95	4	574.5	571.75	735.	403.	32494.25	180.262	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/20/93-02/01/95	3	8.	8.633	10.1	7.8	1.623	1.274	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/20/93-02/01/95	4	3.4	3.425	3.6	3.3	0.023	0.15	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/20/93-02/01/95	4	3.389	3.406	3.6	3.3	0.023	0.152	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/93-02/01/95	4	408.707	392.448	501.187	251.189	16470.724	128.338	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/20/93-02/01/95	4	3.2	3.95	6.4	3.	2.683	1.638	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/20/93-02/01/95	4	3.189	3.241	6.4	3.	3.353	1.831	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/93-02/01/95	4	647.758	573.978	1000.	0.398	188113.787	433.721	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/93-02/01/95	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/20/93-02/01/95	3	120.	116.	170.	58.	3148.	56.107	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/93-02/01/95	4	264.	289.	457.	171.	15698.667	125.294	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/20/93-02/01/95	4	0.8	1.775	5.	0.5	4.669	2.161	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/20/93-02/01/95	4	0.75	0.725	1.	0.4	0.076	0.275	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	07/20/93-06/08/94	3	0.3	0.267	0.3	0.2	0.003	0.058	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/93-02/01/95	4	0.55	0.55	0.8	0.3	0.057	0.238	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/93-02/01/95	4	0.6	0.575	0.8	0.3	0.049	0.222	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/20/93-02/01/95	4	9.5	9.25	14.	4.	24.917	4.992	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/20/93-02/01/95	4	442.	412.5	582.	184.	27627.667	166.216	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/20/93-02/01/95	4	238.	262.5	342.	232.	2823.	53.132	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: ALPO0091

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00	1	1	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00	1	1	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	2	0.50	1	1	1.00	1	0	0.00	2	1	0.50			

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

Station Inventory for Station: ALPO0092

NPS Station ID: ALPO0092
LAT/LON: 40.397309/ -78.621170
Agency: 11NPSWRD
Date Created: 10/17/98
Location: BENSCREEK BC-10
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_BC-10
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT BENSCREEK RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-06/14/93	1	15.1	15.1	15.1	15.1	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/14/93-06/14/93	1	2310.	2310.	2310.	2310.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-06/14/93	1	41.	41.	41.	41.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-06/14/93	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/93-06/14/93	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/93-06/14/93	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-06/14/93	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/14/93-06/14/93	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/14/93-06/14/93	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-06/14/93	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-06/14/93	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/93-06/14/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-06/14/93	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-06/14/93	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-06/14/93	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-06/14/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-06/14/93	1	27.3	27.3	27.3	27.3	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-06/14/93	1	27.	27.	27.	27.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0092

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0093

NPS Station ID: ALPO0093
LAT/LON: 40.410531/ -78.621698
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT07-07
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_UT07-07
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/93-02/01/95	4	9.05	9.95	15.4	6.3	17.963	4.238	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/20/93-02/01/95	4	2.	2.5	5.	1.	3.667	1.915	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/20/93-02/01/95	4	430.5	407.75	470.	300.	5646.917	75.146	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/93-02/01/95	4	474.5	379.25	563.	5.	64050.917	253.083	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/20/93-02/01/95	3	8.	7.367	8.1	6.	1.403	1.185	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/20/93-02/01/95	4	3.4	3.425	3.5	3.4	0.003	0.05	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/20/93-02/01/95	4	3.4	3.423	3.5	3.4	0.003	0.05	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/93-02/01/95	4	398.107	377.637	398.107	316.228	1676.059	40.94	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/20/93-02/01/95	4	3.4	3.975	6.1	3.	2.069	1.438	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/20/93-02/01/95	4	3.355	3.327	6.1	3.	2.629	1.621	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/93-02/01/95	4	441.073	470.735	1000.	0.794	191612.493	437.736	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/93-02/01/95	4	0.	4.5	18.	0.	81.	9.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/20/93-02/01/95	3	88.	97.333	118.	86.	321.333	17.926	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/93-02/01/95	4	245.	244.25	297.	190.	3319.583	57.616	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/20/93-02/01/95	4	2.	2.9	7.	0.6	7.907	2.812	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/20/93-02/01/95	4	0.5	0.525	0.7	0.4	0.016	0.126	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	07/20/93-06/08/94	3	0.2	0.43	1.	0.09	0.247	0.497	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/93-02/01/95	4	0.65	0.6	0.7	0.4	0.02	0.141	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/93-02/01/95	4	0.6	0.575	0.7	0.4	0.022	0.15	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/20/93-02/01/95	4	8.5	9.75	16.	6.	20.25	4.5	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/20/93-02/01/95	4	337.	343.	436.	262.	7910.667	88.942	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/20/93-02/01/95	4	288.	273.	315.	201.	2520.	50.2	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0093

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00	1	1	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00	1	1	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	2	0.50	1	0	0.00	1	0	0.00	2	2	1.00			

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

Station Inventory for Station: ALPO0094

NPS Station ID: ALPO0094
LAT/LON: 40.436031/ -78.622754
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT05
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_UT05
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/08/93-06/08/93	1	14.8	14.8	14.8	14.8	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/08/93-06/08/93	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/08/93-06/08/93	1	88.	88.	88.	88.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/93-06/08/93	1	121.	121.	121.	121.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/08/93-06/08/93	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/08/93-06/08/93	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/08/93-06/08/93	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/08/93-06/08/93	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/08/93-06/08/93	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/08/93-06/08/93	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/08/93-06/08/93	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/08/93-06/08/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/08/93-06/08/93	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/08/93-06/08/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/08/93-06/08/93	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/08/93-06/08/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/08/93-06/08/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/08/93-06/08/93	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/08/93-06/08/93	1	58.7	58.7	58.7	58.7	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/08/93-06/08/93	1	59.	59.	59.	59.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0094

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0095

NPS Station ID: ALPO0095
LAT/LON: 40.422588/ -78.622920
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-20
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_LCR-20
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0095

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/92-07/27/92	1	20.1	20.1	20.1	20.1	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/27/92-07/27/92	1	1412.	1412.	1412.	1412.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/27/92-07/27/92	1	320.	320.	320.	320.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/92-07/27/92	1	398.	398.	398.	398.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/27/92-07/27/92	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/27/92-07/27/92	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/92-07/27/92	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/27/92-07/27/92	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/27/92-07/27/92	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/92-07/27/92	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/92-07/27/92	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/27/92-07/27/92	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/27/92-07/27/92	1	64.	64.	64.	64.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/27/92-07/27/92	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/27/92-07/27/92	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/27/92-07/27/92	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/27/92-07/27/92	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/27/92-07/27/92	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/27/92-07/27/92	1	298.	298.	298.	298.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/27/92-07/27/92	1	214.	214.	214.	214.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0095

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0096

NPS Station ID: ALPO0096
LAT/LON: 40.422226/ -78.622782
Agency: 11NPSWRD
Date Created: 10/17/98
Location: BEAR ROCK RUN BR-26
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_BR-26
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT BEAR ROCK RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/92-07/27/92	1	19.6	19.6	19.6	19.6	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/27/92-07/27/92	1	254.	254.	254.	254.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/27/92-07/27/92	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/92-07/27/92	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/27/92-07/27/92	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/27/92-07/27/92	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/92-07/27/92	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/27/92-07/27/92	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/27/92-07/27/92	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/92-07/27/92	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/92-07/27/92	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/27/92-07/27/92	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/27/92-07/27/92	1	23.	23.	23.	23.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/27/92-07/27/92	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/27/92-07/27/92	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/27/92-07/27/92	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/27/92-07/27/92	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/27/92-07/27/92	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/27/92-07/27/92	1	152.	152.	152.	152.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/27/92-07/27/92	1	54.	54.	54.	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

EPA Water Quality Criteria Analysis for Station: ALPO0096

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0097

NPS Station ID: ALPO0097
LAT/LON: 40.397920/ -78.624393
Agency: 11NPSWRD
Date Created: 10/17/98
Location: BENSCREEK BC-11
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_BC-11
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CRESSON PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG BENSCREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-06/01/94	2	12.4	12.4	13.2	11.6	1.28	1.131	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/07/93-06/01/94	2	14.	14.	19.	9.	50.	7.071	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-06/01/94	2	802.5	802.5	913.	692.	24420.5	156.271	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-06/01/94	2	1298.5	1298.5	1516.	1081.	94612.5	307.591	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/07/93-06/01/94	2	3.45	3.45	3.5	3.4	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/07/93-06/01/94	2	3.447	3.447	3.5	3.4	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-06/01/94	2	357.167	357.167	398.107	316.228	3352.118	57.897	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/07/93-06/01/94	2	3.8	3.8	4.5	3.1	0.98	0.99	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/07/93-06/01/94	2	3.384	3.384	4.5	3.1	1.326	1.152	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-06/01/94	2	412.976	412.976	794.328	31.623	290859.808	539.314	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-06/01/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-06/01/94	2	154.	154.	190.	118.	2592.	50.912	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-06/01/94	2	888.	888.	1056.	720.	56448.	237.588	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/07/93-06/01/94	2	12.5	12.5	23.	2.	220.5	14.849	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-06/01/94	2	3.5	3.5	5.	2.	4.5	2.121	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-06/01/94	2	18.85	18.85	23.6	14.1	45.125	6.718	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-06/01/94	2	18.05	18.05	23.3	12.8	55.125	7.425	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-06/01/94	2	18.	18.	24.	12.	72.	8.485	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-06/01/94	2	847.35	847.35	1086.	608.7	113907.645	337.502	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-06/01/94	2	537.5	537.5	612.	463.	11100.5	105.359	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0097

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0098

NPS Station ID: ALPO0098
LAT/LON: 40.412726/ -78.625253
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT07-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_UT07-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/09/93-02/01/95	2	10.3	10.3	17.	3.6	89.78	9.475	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/09/93-02/01/95	2	231.5	231.5	300.	163.	9384.5	96.874	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/09/93-02/01/95	2	118.	118.	150.	86.	2048.	45.255	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/09/93-02/01/95	2	147.5	147.5	164.	131.	544.5	23.335	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/09/93-02/01/95	2	5.35	5.35	5.8	4.9	0.405	0.636	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/09/93-02/01/95	2	5.15	5.15	5.8	4.9	0.485	0.697	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/09/93-02/01/95	2	7.087	7.087	12.589	1.585	60.548	7.781	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/09/93-02/01/95	2	7.05	7.05	7.6	6.5	0.605	0.778	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/09/93-02/01/95	2	6.768	6.768	7.6	6.5	0.764	0.874	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/09/93-02/01/95	2	0.171	0.171	0.316	0.025	0.042	0.206	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/09/93-02/01/95	2	6.	6.	9.	3.	18.	4.243	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/09/93-02/01/95	2	17.5	17.5	32.	3.	420.5	20.506	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/09/93-02/01/95	2	55.	55.	66.	44.	242.	15.556	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/09/93-02/01/95	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/09/93-02/01/95	2	0.06	0.06	0.1	0.02	0.003	0.057	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/09/93-02/01/95	2	0.35	0.35	0.4	0.3	0.005	0.071	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/09/93-02/01/95	2	0.35	0.35	0.4	0.3	0.005	0.071	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/09/93-02/01/95	2	1.35	1.35	2.	0.7	0.845	0.919	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/09/93-02/01/95	2	92.65	92.65	128.	57.3	2499.245	49.992	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/09/93-02/01/95	2	79.5	79.5	101.	58.	924.5	30.406	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0098

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	1	0.50				1	0	0.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00				1	0	0.00	1	0	0.00			

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

Station Inventory for Station: ALPO0099

NPS Station ID: ALPO0099
LAT/LON: 40.354866/ -78.625782
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-72
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_TR-72
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/93-06/30/93	1	21.4	21.4	21.4	21.4	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/30/93-06/30/93	1	238.	238.	238.	238.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/30/93-06/30/93	1	93.	93.	93.	93.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/93-06/30/93	1	84.	84.	84.	84.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/30/93-06/30/93	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/30/93-06/30/93	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/93-06/30/93	1	0.398	0.398	0.398	0.398	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/30/93-06/30/93	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/30/93-06/30/93	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/93-06/30/93	1	1.995	1.995	1.995	1.995	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/93-06/30/93	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/30/93-06/30/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/30/93-06/30/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/30/93-06/30/93	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/30/93-06/30/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/30/93-06/30/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/30/93-06/30/93	1	56.	56.	56.	56.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/30/93-06/30/93	1	62.	62.	62.	62.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0099

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0100

NPS Station ID: ALPO0100
LAT/LON: 40.366365/ -78.626366
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-71
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_TR-71
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/93-12/08/94	3	21.9	17.233	22.6	7.2	75.623	8.696	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/30/93-12/08/94	3	11.	13.	20.	8.	39.	6.245	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/30/93-12/08/94	3	1800.	1714.	1942.	1400.	78988.	281.048	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/93-12/08/94	3	2109.	1864.	2311.	1172.	369349.	607.741	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/30/93-06/30/93	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/30/93-12/08/94	3	3.5	3.5	3.8	3.2	0.09	0.3	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/30/93-12/08/94	3	3.5	3.433	3.8	3.2	0.097	0.311	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/93-12/08/94	3	316.228	368.558	630.957	158.489	57860.36	240.542	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/30/93-12/08/94	3	3.3	3.3	3.9	2.7	0.36	0.6	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/30/93-12/08/94	3	3.3	3.058	3.9	2.7	0.448	0.669	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/93-12/08/94	3	501.187	874.114	1995.262	125.893	977941.634	988.909	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/93-12/08/94	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/30/93-12/08/94	3	202.	180.667	238.	102.	4965.333	70.465	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/93-12/08/94	3	1673.	1574.667	2043.	1008.	275058.333	524.46	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/30/93-12/08/94	3	22.	22.667	28.	18.	25.333	5.033	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/30/93-12/08/94	3	17.	331.333	969.	8.	304984.333	552.254	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/30/93-06/30/93	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/30/93-12/08/94	3	39.9	36.1	47.4	21.	185.07	13.604	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/30/93-12/08/94	3	37.3	34.6	46.5	20.	181.03	13.455	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/30/93-12/08/94	3	22.	21.	27.	14.	43.	6.557	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/30/93-12/08/94	3	2358.	2082.	2848.	1040.	874348.	935.066	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/30/93-12/08/94	3	1206.	1148.333	1301.	938.	35436.333	188.245	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0100

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				1	1	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				1	1	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	3	1.00				1	1	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: ALPO0101

NPS Station ID: ALPO0101
LAT/LON: 40.414837/ -78.627892
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-24
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-24
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/93-04/06/95	4	10.	10.375	12.3	9.2	1.956	1.399	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/13/93-04/06/95	4	22.	29.25	59.	14.	418.25	20.451	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/13/93-04/06/95	4	165.	248.25	513.	150.	31352.25	177.066	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/13/93-04/06/95	4	246.5	245.25	271.	217.	525.583	22.926	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/13/93-08/01/94	2	9.85	9.85	10.5	9.2	0.845	0.919	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/13/93-04/06/95	4	6.8	6.75	7.	6.4	0.07	0.265	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/13/93-04/06/95	4	6.789	6.686	7.	6.4	0.075	0.275	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/93-04/06/95	4	0.163	0.206	0.398	0.1	0.018	0.135	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/13/93-04/06/95	4	6.6	6.225	7.1	4.6	1.256	1.121	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/13/93-04/06/95	4	6.555	5.191	7.1	4.6	2.681	1.637	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/93-04/06/95	4	0.278	6.439	25.119	0.079	155.106	12.454	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/13/93-04/06/95	4	19.	22.	40.	10.	168.	12.961	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/13/93-04/06/95	4	0.	0.75	3.	0.	2.25	1.5	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/13/93-04/06/95	4	65.5	65.5	70.	61.	21.667	4.655	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/13/93-04/06/95	4	0.4	0.705	2.	0.02	0.804	0.897	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/13/93-04/06/95	4	0.07	0.088	0.2	0.01	0.007	0.084	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/13/93-04/06/95	4	0.085	0.083	0.1	0.06	0.	0.017	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/13/93-04/06/95	4	0.07	0.068	0.1	0.03	0.001	0.03	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/13/93-04/06/95	4	2.	4.65	14.	0.6	39.957	6.321	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/13/93-04/06/95	4	192.	201.5	240.	182.	705.	26.552	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/13/93-04/06/95	4	110.5	166.25	344.	100.	14126.917	118.857	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0101

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00				1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	2	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	4	1	0.25	2	0	0.00				2	1	0.50			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	2	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	4	2	0.50	2	1	0.50				2	1	0.50			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0102

NPS Station ID: ALPO0102
LAT/LON: 40.356698/ -78.629059
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-69
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_TR-69
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/93-06/30/93	1	18.6	18.6	18.6	18.6	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/30/93-06/30/93	1	276.	276.	276.	276.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/30/93-06/30/93	1	97.	97.	97.	97.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/93-06/30/93	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/30/93-06/30/93	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/30/93-06/30/93	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/93-06/30/93	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/30/93-06/30/93	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/30/93-06/30/93	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/93-06/30/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/93-06/30/93	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/30/93-06/30/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/30/93-06/30/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/30/93-06/30/93	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/30/93-06/30/93	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/30/93-06/30/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/30/93-06/30/93	1	72.	72.	72.	72.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/30/93-06/30/93	1	65.	65.	65.	65.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0102

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0103

NPS Station ID: ALPO0103
LAT/LON: 40.399142/ -78.628976
Agency: 11NPSWRD
Date Created: 10/17/98
Location: BENSCREEK BC-19
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_BC-19
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG BENSCREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-11/29/94	3	13.3	11.	13.5	6.2	17.29	4.158	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/07/93-11/29/94	3	56.	65.667	125.	16.	3040.333	55.139	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-11/29/94	3	639.	1210.	2500.	491.	1253551.	1119.621	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-11/29/94	3	826.	823.333	828.	816.	41.333	6.429	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/07/93-11/29/94	3	3.4	3.433	3.5	3.4	0.003	0.058	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/07/93-11/29/94	3	3.4	3.431	3.5	3.4	0.003	0.058	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-11/29/94	3	398.107	370.814	398.107	316.228	2234.746	47.273	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/07/93-11/29/94	3	3.3	3.7	4.5	3.3	0.48	0.693	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/07/93-11/29/94	3	3.3	3.463	4.5	3.3	0.565	0.751	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-11/29/94	3	501.187	344.666	501.187	31.623	73496.926	271.103	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-11/29/94	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-11/29/94	3	152.	154.667	162.	150.	41.333	6.429	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-11/29/94	3	461.	447.667	557.	325.	13589.333	116.573	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/07/93-11/29/94	3	2.	1.667	2.	1.	0.333	0.577	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-11/29/94	3	2.	1.667	2.	1.	0.333	0.577	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-11/29/94	3	4.6	4.833	5.4	4.5	0.243	0.493	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-11/29/94	3	4.6	4.833	5.4	4.5	0.243	0.493	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-11/29/94	3	19.	19.667	23.	17.	9.333	3.055	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-11/29/94	3	800.	661.1	856.	327.3	84350.83	290.432	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-11/29/94	3	428.	810.667	1675.	329.	562754.333	750.17	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0103

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				1	1	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				1	1	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	3	1.00				1	1	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: ALPO0104

NPS Station ID: ALPO0104
LAT/LON: 40.363866/ -78.629031
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-76
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_TR-76
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/01/94-03/14/95	3	14.	14.133	21.9	6.5	59.303	7.701	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/01/94-03/14/95	3	3.	8.667	22.	1.	134.333	11.59	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/01/94-03/14/95	3	2000.	2300.	2900.	2000.	270000.	519.615	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/01/94-03/14/95	3	2398.	2368.333	2533.	2174.	32880.333	181.329	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/01/94-03/14/95	3	3.4	3.367	3.5	3.2	0.023	0.153	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/01/94-03/14/95	3	3.4	3.348	3.5	3.2	0.024	0.154	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/01/94-03/14/95	3	398.107	448.431	630.957	316.228	26663.025	163.288	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/01/94-03/14/95	3	3.2	3.267	3.4	3.2	0.013	0.115	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/01/94-03/14/95	3	3.2	3.257	3.4	3.2	0.013	0.116	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/01/94-03/14/95	3	630.957	553.341	630.957	398.107	18073.068	134.436	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/01/94-03/14/95	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/01/94-03/14/95	3	314.	340.	456.	250.	11116.	105.432	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/01/94-03/14/95	3	1930.	1981.	2341.	1672.	113841.	337.403	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/01/94-03/14/95	3	36.	44.667	78.	20.	897.333	29.956	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/01/94-03/14/95	3	35.	35.667	52.	20.	256.333	16.01	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/01/94-03/14/95	3	44.2	43.533	48.6	37.8	29.493	5.431	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/01/94-03/14/95	3	42.9	41.767	45.6	36.8	20.323	4.508	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/01/94-03/14/95	3	20.	25.667	40.	17.	156.333	12.503	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/01/94-03/14/95	3	2758.	2530.667	2834.	2000.	212649.333	461.139	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/01/94-03/14/95	3	1340.	1541.	1943.	1340.	121203.	348.142	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0104

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00				2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				2	2	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00				2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				2	2	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0105

NPS Station ID: ALPO0105
LAT/LON: 40.357059/ -78.629059
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-68
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_TR-68
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0105

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/93-06/30/93	1	13.3	13.3	13.3	13.3	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/30/93-06/30/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/30/93-06/30/93	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/93-06/30/93	1	121.	121.	121.	121.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/30/93-06/30/93	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/30/93-06/30/93	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/93-06/30/93	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/30/93-06/30/93	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/30/93-06/30/93	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/93-06/30/93	1	15.849	15.849	15.849	15.849	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/93-06/30/93	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/30/93-06/30/93	1	208.	208.	208.	208.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/30/93-06/30/93	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/30/93-06/30/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/30/93-06/30/93	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/30/93-06/30/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/30/93-06/30/93	1	78.	78.	78.	78.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/30/93-06/30/93	1	67.	67.	67.	67.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0105

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0106

NPS Station ID: ALPO0106
LAT/LON: 40.408920/ -78.629198
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-23
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-23
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/01/94-10/13/94	2	10.95	10.95	12.3	9.6	3.645	1.909	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/01/94-10/13/94	2	3.	3.	4.	2.	2.	1.414	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/01/94-10/13/94	2	604.	604.	903.	305.	178802.	422.85	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/01/94-10/13/94	2	474.5	474.5	497.	452.	1012.5	31.82	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/01/94-08/01/94	1	9.6	9.6	9.6	9.6	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/01/94-10/13/94	2	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/01/94-10/13/94	2	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/94-10/13/94	2	199.526	199.526	199.526	199.526	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/01/94-10/13/94	2	3.8	3.8	4.2	3.4	0.32	0.566	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/01/94-10/13/94	2	3.637	3.637	4.2	3.4	0.373	0.611	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/94-10/13/94	2	230.601	230.601	398.107	63.096	56116.331	236.889	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/01/94-10/13/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/01/94-10/13/94	2	62.	62.	68.	56.	72.	8.485	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/01/94-10/13/94	2	350.	350.	451.	249.	20402.	142.836	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/01/94-10/13/94	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/01/94-10/13/94	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/01/94-10/13/94	2	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/94-10/13/94	2	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/01/94-10/13/94	2	5.5	5.5	6.	5.	0.5	0.707	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/01/94-10/13/94	2	372.	372.	390.	354.	648.	25.456	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/01/94-10/13/94	2	404.5	404.5	605.	204.	80400.5	283.55	**	**	**	**

** - 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: ALPO0106

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	2	1.00	2	2	1.00									
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	2	1.00	2	2	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0107

NPS Station ID: ALPO0107
LAT/LON: 40.407753/ -78.629504
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-27
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-27
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/01/94-10/13/94	2	13.	13.	15.5	10.5	12.5	3.536	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/01/94-10/13/94	2	1.	1.	1.	1.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/01/94-10/13/94	2	666.	666.	887.	445.	97682.	312.541	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/01/94-10/13/94	2	790.	790.	890.	690.	20000.	141.421	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/01/94-08/01/94	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/01/94-10/13/94	2	6.05	6.05	6.8	5.3	1.125	1.061	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/01/94-10/13/94	2	5.588	5.588	6.8	5.3	1.553	1.246	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/94-10/13/94	2	2.585	2.585	5.012	0.158	11.778	3.432	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/01/94-10/13/94	2	5.	5.	6.4	3.6	3.92	1.98	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/01/94-10/13/94	2	3.9	3.9	6.4	3.6	6.338	2.518	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/94-10/13/94	2	125.793	125.793	251.189	0.398	31447.946	177.336	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/01/94-10/13/94	2	53.5	53.5	100.	7.	4324.5	65.761	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/01/94-10/13/94	2	7.	7.	14.	0.	98.	9.899	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/01/94-10/13/94	2	370.5	370.5	416.	325.	4140.5	64.347	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/01/94-10/13/94	2	8.5	8.5	9.	8.	0.5	0.707	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/01/94-10/13/94	2	4.15	4.15	8.	0.3	29.645	5.445	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/01/94-10/13/94	2	2.05	2.05	2.8	1.3	1.125	1.061	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/94-10/13/94	2	2.	2.	2.8	1.2	1.28	1.131	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/01/94-10/13/94	2	9.5	9.5	18.	1.	144.5	12.021	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/01/94-10/13/94	2	652.	652.	748.	556.	18432.	135.765	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/01/94-10/13/94	2	446.	446.	594.	298.	43808.	209.304	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0107

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00	1	1	1.00									
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	1	0.50	2	1	0.50									
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	2	1.00	2	2	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0108

NPS Station ID: ALPO0108
LAT/LON: 40.357282/ -78.629837
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-63
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_TR-63
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/93-06/30/93	1	17.7	17.7	17.7	17.7	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/30/93-06/30/93	1	288.	288.	288.	288.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/30/93-06/30/93	1	97.	97.	97.	97.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/93-06/30/93	1	109.	109.	109.	109.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/30/93-06/30/93	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/30/93-06/30/93	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/93-06/30/93	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/30/93-06/30/93	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/30/93-06/30/93	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/93-06/30/93	1	2.512	2.512	2.512	2.512	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/93-06/30/93	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/30/93-06/30/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/30/93-06/30/93	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/30/93-06/30/93	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/30/93-06/30/93	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/30/93-06/30/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/30/93-06/30/93	1	62.	62.	62.	62.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/30/93-06/30/93	1	65.	65.	65.	65.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0108

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0109

NPS Station ID: ALPO0109
LAT/LON: 40.357476/ -78.629809
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-64
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_TR-64
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/93-06/30/93	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/30/93-06/30/93	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/30/93-06/30/93	1	41.	41.	41.	41.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/93-06/30/93	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/30/93-06/30/93	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/30/93-06/30/93	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/93-06/30/93	1	19.953	19.953	19.953	19.953	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/30/93-06/30/93	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/30/93-06/30/93	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/93-06/30/93	1	1584.893	1584.893	1584.893	1584.893	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/93-06/30/93	1	23.	23.	23.	23.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/30/93-06/30/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/30/93-06/30/93	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/30/93-06/30/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/30/93-06/30/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/30/93-06/30/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/30/93-06/30/93	1	44.	44.	44.	44.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/30/93-06/30/93	1	27.	27.	27.	27.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0109

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0110

NPS Station ID: ALPO0110
LAT/LON: 40.364420/ -78.630838
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-74
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_TR-74
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/93-03/14/95	4	13.15	11.925	17.6	3.8	34.223	5.85	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/01/93-03/14/95	4	18.5	22.5	36.	17.	83.	9.11	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/01/93-03/14/95	4	2050.	2075.	2900.	1300.	429166.667	655.108	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/01/93-03/14/95	4	2549.5	2545.5	2608.	2475.	3631.	60.258	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/01/93-03/14/95	4	3.4	3.375	3.6	3.1	0.042	0.206	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/01/93-03/14/95	4	3.4	3.337	3.6	3.1	0.044	0.211	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/93-03/14/95	4	398.107	460.433	794.328	251.189	54346.082	233.122	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/01/93-03/14/95	4	3.15	2.875	3.6	1.6	0.769	0.877	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/01/93-03/14/95	4	3.147	2.174	3.6	1.6	1.424	1.193	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/93-03/14/95	4	712.643	6698.835	25118.864	251.189	150850654.299	12282.127	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/01/93-03/14/95	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/01/93-03/14/95	4	374.	387.5	436.	366.	1070.333	32.716	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/01/93-03/14/95	4	2165.	2176.25	2312.	2063.	13676.25	116.946	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/01/93-03/14/95	4	31.5	42.25	89.	17.	1078.25	32.837	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/01/93-03/14/95	4	30.	38.25	77.	16.	753.583	27.451	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/01/93-03/14/95	4	50.8	50.5	53.7	46.7	9.993	3.161	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/01/93-03/14/95	4	48.6	48.4	52.1	44.3	12.6	3.55	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/01/93-03/14/95	4	40.5	35.	42.	17.	144.667	12.028	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/01/93-03/14/95	4	3098.	3047.	3388.	2604.	143673.333	379.043	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/01/93-03/14/95	4	1340.	1238.25	1407.	866.	62584.25	250.168	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0110

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00				2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				2	2	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00				2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				2	2	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00				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: ALPO0111

NPS Station ID: ALPO0111
LAT/LON: 40.363420/ -78.631281
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-47
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_TR-47
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/01/94-12/08/94	2	9.7	9.7	15.4	4.	64.98	8.061	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/01/94-12/08/94	2	17.	17.	18.	16.	2.	1.414	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/01/94-12/08/94	2	2000.	2000.	2000.	2000.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/01/94-12/08/94	2	2545.5	2545.5	2671.	2420.	31500.5	177.484	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/01/94-12/08/94	2	3.3	3.3	3.4	3.2	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/01/94-12/08/94	2	3.289	3.289	3.4	3.2	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/01/94-12/08/94	2	514.532	514.532	630.957	398.107	27109.602	164.65	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/01/94-12/08/94	2	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/01/94-12/08/94	2	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/01/94-12/08/94	2	630.957	630.957	630.957	630.957	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/01/94-12/08/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/01/94-12/08/94	2	334.	334.	378.	290.	3872.	62.225	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/01/94-12/08/94	2	1770.5	1770.5	2033.	1508.	137812.5	371.231	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/01/94-12/08/94	2	100.5	100.5	131.	70.	1860.5	43.134	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/01/94-12/08/94	2	83.5	83.5	97.	70.	364.5	19.092	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/01/94-12/08/94	2	46.2	46.2	51.3	41.1	52.02	7.212	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/01/94-12/08/94	2	44.1	44.1	48.6	39.6	40.5	6.364	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/01/94-12/08/94	2	16.5	16.5	20.	13.	24.5	4.95	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/01/94-12/08/94	2	3272.	3272.	4402.	2142.	2553800.	1598.061	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/01/94-12/08/94	2	1340.	1340.	1340.	1340.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0111

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00				1	1	1.00	1	1	1.00			

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

Station Inventory for Station: ALPO0112

NPS Station ID: ALPO0112
LAT/LON: 40.358559/ -78.631226
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-60
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_TR-60
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/93-06/30/93	1	14.5	14.5	14.5	14.5	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/30/93-06/30/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/30/93-06/30/93	1	144.	144.	144.	144.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/93-06/30/93	1	195.	195.	195.	195.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/30/93-06/30/93	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/30/93-06/30/93	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/93-06/30/93	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/30/93-06/30/93	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/30/93-06/30/93	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/93-06/30/93	1	39.811	39.811	39.811	39.811	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	1	84.	84.	84.	84.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/93-06/30/93	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/30/93-06/30/93	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/30/93-06/30/93	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/30/93-06/30/93	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/30/93-06/30/93	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/30/93-06/30/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/30/93-06/30/93	1	128.	128.	128.	128.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/30/93-06/30/93	1	96.	96.	96.	96.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0112

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0113

NPS Station ID: ALPO0113
LAT/LON: 40.363226/ -78.631920
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-75
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_TR-75
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0113

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/31/94-05/31/94	1	14.2	14.2	14.2	14.2	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	05/31/94-05/31/94	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/31/94-05/31/94	1	98.	98.	98.	98.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/31/94-05/31/94	1	92.	92.	92.	92.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/31/94-05/31/94	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/31/94-05/31/94	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/31/94-05/31/94	1	12.589	12.589	12.589	12.589	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/31/94-05/31/94	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/31/94-05/31/94	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/31/94-05/31/94	1	50.119	50.119	50.119	50.119	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/31/94-05/31/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/31/94-05/31/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/31/94-05/31/94	1	42.	42.	42.	42.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/31/94-05/31/94	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/31/94-05/31/94	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/31/94-05/31/94	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/31/94-05/31/94	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/31/94-05/31/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	05/31/94-05/31/94	1	72.	72.	72.	72.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	05/31/94-05/31/94	1	66.	66.	66.	66.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0113

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0114

NPS Station ID: ALPO0114
LAT/LON: 40.358170/ -78.632421
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-57
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_TR-57
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0114

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/93-06/30/93	1	11.8	11.8	11.8	11.8	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/30/93-06/30/93	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/30/93-06/30/93	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/93-06/30/93	1	121.	121.	121.	121.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/30/93-06/30/93	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/30/93-06/30/93	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/93-06/30/93	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/30/93-06/30/93	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/30/93-06/30/93	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/93-06/30/93	1	7.943	7.943	7.943	7.943	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/30/93-06/30/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/93-06/30/93	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/30/93-06/30/93	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/30/93-06/30/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/30/93-06/30/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/30/93-06/30/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/30/93-06/30/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/30/93-06/30/93	1	102.	102.	102.	102.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/30/93-06/30/93	1	67.	67.	67.	67.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0114

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0115

NPS Station ID: ALPO0115
LAT/LON: 40.400559/ -78.632587
Agency: 11NPSWRD
Date Created: 10/17/98
Location: BENSCREEK BC-21
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_BC-21
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT BENSCREEK RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0115

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/03/93-06/03/93	1	11.2	11.2	11.2	11.2	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/03/93-06/03/93	1	2600.	2600.	2600.	2600.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/03/93-06/03/93	1	62.	62.	62.	62.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/03/93-06/03/93	1	86.	86.	86.	86.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/03/93-06/03/93	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/03/93-06/03/93	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/93-06/03/93	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/03/93-06/03/93	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/03/93-06/03/93	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/93-06/03/93	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/93-06/03/93	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/03/93-06/03/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/03/93-06/03/93	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/03/93-06/03/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/03/93-06/03/93	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/03/93-06/03/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/03/93-06/03/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/03/93-06/03/93	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/03/93-06/03/93	1	41.1	41.1	41.1	41.1	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/03/93-06/03/93	1	42.	42.	42.	42.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0115

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0116

NPS Station ID: ALPO0116
LAT/LON: 40.359892/ -78.632948
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-55
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_TR-55
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0116

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/01/94-06/01/94	1	15.2	15.2	15.2	15.2	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/01/94-06/01/94	1	804.	804.	804.	804.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/01/94-06/01/94	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/01/94-06/01/94	1	263.	263.	263.	263.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/01/94-06/01/94	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/01/94-06/01/94	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/01/94-06/01/94	1	3.162	3.162	3.162	3.162	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/01/94-06/01/94	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/01/94-06/01/94	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/01/94-06/01/94	1	2.512	2.512	2.512	2.512	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/01/94-06/01/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/01/94-06/01/94	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/01/94-06/01/94	1	102.	102.	102.	102.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/01/94-06/01/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/01/94-06/01/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/01/94-06/01/94	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/01/94-06/01/94	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/01/94-06/01/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/01/94-06/01/94	1	12.	12.	12.	12.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/01/94-06/01/94	1	60.	60.	60.	60.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0116

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0117

NPS Station ID: ALPO0117
LAT/LON: 40.362753/ -78.633088
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-53
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_TR-53
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0117

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/93-07/06/93	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/06/93-07/06/93	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/93-07/06/93	1	535.	535.	535.	535.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/06/93-07/06/93	1	564.	564.	564.	564.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/06/93-07/06/93	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/06/93-07/06/93	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/93-07/06/93	1	39.811	39.811	39.811	39.811	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/06/93-07/06/93	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/06/93-07/06/93	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/93-07/06/93	1	50.119	50.119	50.119	50.119	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/06/93-07/06/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/06/93-07/06/93	1	66.	66.	66.	66.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/06/93-07/06/93	1	424.	424.	424.	424.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/06/93-07/06/93	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/06/93-07/06/93	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/06/93-07/06/93	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/06/93-07/06/93	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/06/93-07/06/93	1	10.	10.	10.	10.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/06/93-07/06/93	1	562.	562.	562.	562.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/06/93-07/06/93	1	358.	358.	358.	358.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0117

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0118

NPS Station ID: ALPO0118
LAT/LON: 40.363031/ -78.633059
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-43
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_TR-43
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/01/94-03/14/95	3	15.2	11.167	15.3	3.	50.023	7.073	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/01/94-03/14/95	3	3.	6.333	13.	3.	33.333	5.774	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/01/94-03/14/95	3	1253.	1317.667	1500.	1200.	25636.333	160.114	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/01/94-03/14/95	3	1557.	1684.333	1967.	1529.	60121.333	245.197	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/01/94-03/14/95	3	3.3	3.233	3.4	3.	0.043	0.208	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/01/94-03/14/95	3	3.3	3.199	3.4	3.	0.045	0.212	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/01/94-03/14/95	3	501.187	633.098	1000.	398.107	103619.109	321.899	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/01/94-03/14/95	3	3.3	3.767	4.7	3.3	0.653	0.808	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/01/94-03/14/95	3	3.3	3.468	4.7	3.3	0.788	0.887	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/01/94-03/14/95	3	501.187	340.776	501.187	19.953	77195.583	277.841	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/01/94-03/14/95	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/01/94-03/14/95	3	208.	213.333	274.	158.	3385.333	58.184	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/01/94-03/14/95	3	935.	1068.667	1383.	888.	74656.333	273.233	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/01/94-03/14/95	3	35.	38.333	56.	24.	264.333	16.258	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/01/94-03/14/95	3	24.	31.667	51.	20.	284.333	16.862	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/01/94-03/14/95	3	19.7	23.4	30.9	19.6	42.19	6.495	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/01/94-03/14/95	3	19.7	22.4	29.5	18.	38.53	6.207	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/01/94-03/14/95	3	5.	5.	6.	4.	1.	1.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/01/94-03/14/95	3	1154.	1358.	1872.	1048.	200956.	448.281	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/01/94-03/14/95	3	840.	883.	1005.	804.	11487.	107.177	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0118

Parameter				Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00				2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				2	2	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00				2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				2	2	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0119

NPS Station ID: ALPO0119
LAT/LON: 40.363031/ -78.633448
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-41
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_TR-41
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/93-07/06/93	1	21.2	21.2	21.2	21.2	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/06/93-07/06/93	1	307.	307.	307.	307.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/93-07/06/93	1	177.	177.	177.	177.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/06/93-07/06/93	1	181.	181.	181.	181.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/06/93-07/06/93	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/06/93-07/06/93	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/93-07/06/93	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/06/93-07/06/93	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/06/93-07/06/93	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/93-07/06/93	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/06/93-07/06/93	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/06/93-07/06/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/06/93-07/06/93	1	39.	39.	39.	39.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/06/93-07/06/93	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/06/93-07/06/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/06/93-07/06/93	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/06/93-07/06/93	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/06/93-07/06/93	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/06/93-07/06/93	1	140.	140.	140.	140.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/06/93-07/06/93	1	119.	119.	119.	119.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0119

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0120

NPS Station ID: ALPO0120
LAT/LON: 40.401337/ -78.633781
Agency: 11NPSWRD
Date Created: 10/17/98
Location: BENSCREEK BC-22
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_BC-22
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG BENSCREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0120

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/03/93-11/29/94	2	11.25	11.25	12.9	9.6	5.445	2.333	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/03/93-11/29/94	2	22.5	22.5	35.	10.	312.5	17.678	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/03/93-11/29/94	2	1031.	1031.	1400.	662.	272322.	521.845	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/03/93-11/29/94	2	1228.5	1228.5	1311.	1146.	13612.5	116.673	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/03/93-06/03/93	1	9.9	9.9	9.9	9.9	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/03/93-11/29/94	2	3.05	3.05	3.1	3.	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/03/93-11/29/94	2	3.047	3.047	3.1	3.	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/93-11/29/94	2	897.164	897.164	1000.	794.328	21150.438	145.432	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/03/93-11/29/94	2	3.1	3.1	3.2	3.	0.02	0.141	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/03/93-11/29/94	2	3.089	3.089	3.2	3.	0.02	0.142	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/93-11/29/94	2	815.479	815.479	1000.	630.957	68096.241	260.953	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/93-11/29/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/03/93-11/29/94	2	249.	249.	280.	218.	1922.	43.841	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/03/93-11/29/94	2	899.	899.	1139.	659.	115200.	339.411	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/03/93-11/29/94	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/03/93-11/29/94	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/03/93-06/03/93	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/03/93-11/29/94	2	2.8	2.8	2.9	2.7	0.02	0.141	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/03/93-11/29/94	2	2.8	2.8	2.9	2.7	0.02	0.141	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/03/93-11/29/94	2	29.5	29.5	31.	28.	4.5	2.121	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/03/93-11/29/94	2	874.65	874.65	1308.	441.3	375584.445	612.849	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/03/93-11/29/94	2	226.5	226.5	444.	9.	94612.5	307.591	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0120

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00				1	1	1.00	1	1	1.00			

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

Station Inventory for Station: ALPO0121

NPS Station ID: ALPO0121
LAT/LON: 40.401281/ -78.634616
Agency: 11NPSWRD
Date Created: 10/17/98
Location: BENSCREEK BC-23
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_BC-23
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT BENSCREEK RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0121

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/03/93-06/03/93	1	10.4	10.4	10.4	10.4	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/03/93-06/03/93	1	2590.	2590.	2590.	2590.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/03/93-06/03/93	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/03/93-06/03/93	1	99.	99.	99.	99.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/03/93-06/03/93	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/03/93-06/03/93	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/93-06/03/93	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/03/93-06/03/93	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/03/93-06/03/93	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/93-06/03/93	1	0.398	0.398	0.398	0.398	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/93-06/03/93	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/03/93-06/03/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/03/93-06/03/93	1	38.	38.	38.	38.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/03/93-06/03/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/03/93-06/03/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/03/93-06/03/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/03/93-06/03/93	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/03/93-06/03/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/03/93-06/03/93	1	45.5	45.5	45.5	45.5	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/03/93-06/03/93	1	46.	46.	46.	46.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0121

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0122

NPS Station ID: ALPO0122
LAT/LON: 40.363809/ -78.634671
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-39
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_TR-39
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0122

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/93-06/01/94	2	18.9	18.9	22.8	15.	30.42	5.515	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/06/93-06/01/94	2	707.	707.	1069.	345.	262088.	511.945	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/06/93-06/01/94	2	364.5	364.5	495.	234.	34060.5	184.555	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/06/93-06/01/94	2	309.	309.	523.	95.	91592.	302.642	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/06/93-06/01/94	2	5.55	5.55	6.4	4.7	1.445	1.202	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/06/93-06/01/94	2	4.992	4.992	6.4	4.7	2.067	1.438	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/93-06/01/94	2	10.175	10.175	19.953	0.398	191.19	13.827	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/06/93-06/01/94	2	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/06/93-06/01/94	2	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/93-06/01/94	2	3.981	3.981	3.981	3.981	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/06/93-06/01/94	2	8.5	8.5	15.	2.	84.5	9.192	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/06/93-06/01/94	2	13.	13.	26.	0.	338.	18.385	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/06/93-06/01/94	2	173.	173.	334.	12.	51842.	227.688	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/06/93-06/01/94	2	4.04	4.04	8.	0.08	31.363	5.6	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/06/93-06/01/94	2	1.52	1.52	3.	0.04	4.381	2.093	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/06/93-06/01/94	2	4.465	4.465	8.9	0.03	39.338	6.272	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/06/93-06/01/94	2	4.465	4.465	8.9	0.03	39.338	6.272	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/06/93-06/01/94	2	2.55	2.55	5.	0.1	12.005	3.465	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/06/93-06/01/94	2	292.	292.	506.	78.	91592.	302.642	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/06/93-06/01/94	2	244.5	244.5	332.	157.	15312.5	123.744	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0122

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0123

NPS Station ID: ALPO0123
LAT/LON: 40.401115/ -78.635809
Agency: 11NPSWRD
Date Created: 10/17/98
Location: BENSCREEK BC-44
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_BC-44
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT BENSCREEK RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/03/93-06/03/93	1	11.3	11.3	11.3	11.3	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/03/93-06/03/93	1	2624.	2624.	2624.	2624.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/03/93-06/03/93	1	69.	69.	69.	69.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/03/93-06/03/93	1	96.	96.	96.	96.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/03/93-06/03/93	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/03/93-06/03/93	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/93-06/03/93	1	0.398	0.398	0.398	0.398	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/03/93-06/03/93	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/03/93-06/03/93	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/93-06/03/93	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/93-06/03/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/03/93-06/03/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/03/93-06/03/93	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/03/93-06/03/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/03/93-06/03/93	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/03/93-06/03/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/03/93-06/03/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/03/93-06/03/93	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/03/93-06/03/93	1	45.8	45.8	45.8	45.8	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/03/93-06/03/93	1	46.	46.	46.	46.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0123

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0124

NPS Station ID: ALPO0124
LAT/LON: 40.383503/ -78.640448
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SPRING RUN SR-39
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_SR-39
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT SPRING RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-06/06/94	2	13.15	13.15	15.5	10.8	11.045	3.323	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/14/93-06/06/94	2	36.5	36.5	46.	27.	180.5	13.435	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-06/06/94	2	2500.	2500.	2800.	2200.	180000.	424.264	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-06/06/94	2	2757.5	2757.5	2851.	2664.	17484.5	132.229	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/93-06/06/94	2	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/93-06/06/94	2	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-06/06/94	2	1258.925	1258.925	1258.925	1258.925	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/14/93-06/06/94	2	3.1	3.1	3.6	2.6	0.5	0.707	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/14/93-06/06/94	2	2.86	2.86	3.6	2.6	0.616	0.785	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-06/06/94	2	1381.538	1381.538	2511.886	251.189	2555377.245	1598.555	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/06/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	676.	676.	676.	676.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-06/06/94	2	2250.5	2250.5	2381.	2120.	34060.5	184.555	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/93-06/06/94	2	10.	10.	10.	10.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-06/06/94	2	10.5	10.5	11.	10.	0.5	0.707	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/14/93-06/14/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-06/06/94	2	46.05	46.05	50.2	41.9	34.445	5.869	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-06/06/94	2	47.15	47.15	49.6	44.7	12.005	3.465	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-06/06/94	2	69.5	69.5	77.	62.	112.5	10.607	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-06/06/94	2	3209.	3209.	3414.	3004.	84050.	289.914	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-06/06/94	2	1675.	1675.	1876.	1474.	80802.	284.257	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0124

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0125

NPS Station ID: ALPO0125
LAT/LON: 40.402392/ -78.640920
Agency: 11NPSWRD
Date Created: 10/17/98
Location: BENSCREEK BC-29
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_BC-29
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT BENSCREEK RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0125

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/93-04/06/95	4	7.65	8.925	16.7	3.7	32.869	5.733	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/02/93-04/06/95	4	3504.	4725.75	8610.	3285.	6719342.25	2592.169	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/02/93-04/06/95	4	88.	148.25	340.	77.	16370.917	127.949	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/93-04/06/95	4	104.5	105.	110.	101.	18.	4.243	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/02/93-04/06/95	4	5.7	5.625	6.	5.1	0.143	0.377	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/02/93-04/06/95	4	5.7	5.49	6.	5.1	0.167	0.408	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/02/93-04/06/95	4	1.995	3.233	7.943	1.	10.079	3.175	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/02/93-04/06/95	4	6.5	6.325	6.7	5.6	0.249	0.499	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/02/93-04/06/95	4	6.489	6.076	6.7	5.6	0.332	0.576	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/02/93-04/06/95	4	0.325	0.84	2.512	0.2	1.249	1.118	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/93-04/06/95	4	3.5	5.25	11.	3.	14.917	3.862	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/02/93-04/06/95	4	5.	7.5	20.	0.	85.667	9.256	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/02/93-04/06/95	4	35.	35.5	37.	35.	1.	1.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/02/93-04/06/95	4	0.15	0.175	0.3	0.1	0.009	0.096	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/02/93-04/06/95	4	0.04	0.075	0.2	0.02	0.007	0.084	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/02/93-04/06/95	4	0.35	0.35	0.4	0.3	0.003	0.058	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/02/93-04/06/95	4	0.3	0.325	0.4	0.3	0.003	0.05	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/02/93-04/06/95	4	0.95	0.925	1.	0.8	0.009	0.096	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/02/93-04/06/95	4	66.	65.325	78.	51.3	186.089	13.641	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/02/93-04/06/95	4	59.	99.5	228.	52.	7350.333	85.734	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0125

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00				1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				1	1	1.00	3	3	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00				1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	4	2	0.50				1	1	1.00	3	1	0.33			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00				1	0	0.00	3	0	0.00			

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

Station Inventory for Station: ALPO0126

NPS Station ID: ALPO0126
LAT/LON: 40.402726/ -78.642199
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-30
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_LCR-30
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/93-06/01/94	2	15.15	15.15	19.5	10.8	37.845	6.152	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/02/93-06/01/94	2	4332.5	4332.5	5417.	3248.	2352280.5	1533.715	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/02/93-06/01/94	2	207.	207.	210.	204.	18.	4.243	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/93-06/01/94	2	265.	265.	295.	235.	1800.	42.426	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/02/93-06/01/94	2	6.9	6.9	7.2	6.6	0.18	0.424	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/02/93-06/01/94	2	6.804	6.804	7.2	6.6	0.199	0.446	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/02/93-06/01/94	2	0.157	0.157	0.251	0.063	0.018	0.133	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/02/93-06/01/94	2	6.75	6.75	7.1	6.4	0.245	0.495	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/02/93-06/01/94	2	6.622	6.622	7.1	6.4	0.278	0.527	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/02/93-06/01/94	2	0.239	0.239	0.398	0.079	0.051	0.225	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/93-06/01/94	2	25.	25.	30.	20.	50.	7.071	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/02/93-06/01/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/02/93-06/01/94	2	62.	62.	67.	57.	50.	7.071	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/02/93-06/01/94	2	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/02/93-06/01/94	2	0.18	0.18	0.3	0.06	0.029	0.17	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/02/93-06/01/94	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/02/93-06/01/94	2	0.4	0.4	0.6	0.2	0.08	0.283	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/02/93-06/01/94	2	0.45	0.45	0.5	0.4	0.005	0.071	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/02/93-06/01/94	2	180.	180.	220.	140.	3200.	56.569	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/02/93-06/01/94	2	139.	139.	141.	137.	8.	2.828	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0126

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00							2	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	1	0.50							2	1	0.50			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: ALPO0127

NPS Station ID: ALPO0127
LAT/LON: 40.366615/ -78.642199
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-36
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_TR-36
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0127

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/93-06/29/93	1	16.2	16.2	16.2	16.2	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/29/93-06/29/93	1	440.	440.	440.	440.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/29/93-06/29/93	1	370.	370.	370.	370.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/93-06/29/93	1	408.	408.	408.	408.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/29/93-06/29/93	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/29/93-06/29/93	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/93-06/29/93	1	7.943	7.943	7.943	7.943	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/29/93-06/29/93	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/29/93-06/29/93	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/93-06/29/93	1	7.943	7.943	7.943	7.943	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/93-06/29/93	1	190.	190.	190.	190.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/29/93-06/29/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/29/93-06/29/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/93-06/29/93	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/93-06/29/93	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/29/93-06/29/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/29/93-06/29/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/29/93-06/29/93	1	248.	248.	248.	248.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0127

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0128

NPS Station ID: ALPO0128
LAT/LON: 40.402781/ -78.642587
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-31
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_LCR-31
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/93-06/01/94	2	15.35	15.35	20.2	10.5	47.045	6.859	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/02/93-06/02/93	1	6950.	6950.	6950.	6950.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/02/93-06/01/94	2	154.5	154.5	156.	153.	4.5	2.121	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/02/93-06/01/94	2	193.	193.	208.	178.	450.	21.213	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/02/93-06/01/94	2	6.7	6.7	6.9	6.5	0.08	0.283	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/02/93-06/01/94	2	6.655	6.655	6.9	6.5	0.084	0.29	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/02/93-06/01/94	2	0.221	0.221	0.316	0.126	0.018	0.135	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/02/93-06/01/94	2	6.4	6.4	6.9	5.9	0.5	0.707	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/02/93-06/01/94	2	6.16	6.16	6.9	5.9	0.616	0.785	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/02/93-06/01/94	2	0.692	0.692	1.259	0.126	0.642	0.801	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/93-06/01/94	2	15.5	15.5	18.	13.	12.5	3.536	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/02/93-06/01/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/02/93-06/01/94	2	50.5	50.5	52.	49.	4.5	2.121	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/02/93-06/01/94	2	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/02/93-06/01/94	2	1.01	1.01	2.	0.02	1.96	1.4	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/02/93-06/01/94	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/02/93-06/01/94	2	0.25	0.25	0.3	0.2	0.005	0.071	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/02/93-06/01/94	2	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/02/93-06/01/94	2	358.	358.	612.	104.	129032.	359.21	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/02/93-06/01/94	2	104.	104.	105.	103.	2.	1.414	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0128

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	1	0.50							2	1	0.50			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	1	0.50							2	1	0.50			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: ALPO0129

NPS Station ID: ALPO0129
LAT/LON: 40.367253/ -78.642642
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-37
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_TR-37
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/93-03/07/95	4	12.3	12.425	15.1	10.	5.316	2.306	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/29/93-03/07/95	4	7.	6.5	8.	4.	3.667	1.915	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/29/93-03/07/95	4	292.	309.5	400.	254.	4177.	64.63	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/93-03/07/95	4	294.5	296.	308.	287.	96.667	9.832	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/29/93-03/07/95	4	0.5	0.575	1.	0.3	0.096	0.31	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/29/93-03/07/95	4	6.25	6.1	6.3	5.6	0.113	0.337	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/29/93-03/07/95	4	6.247	5.985	6.3	5.6	0.131	0.362	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/93-03/07/95	4	0.566	1.036	2.512	0.501	0.971	0.986	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/29/93-03/07/95	4	6.1	5.925	6.4	5.1	0.349	0.591	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/29/93-03/07/95	4	6.055	5.598	6.4	5.1	0.492	0.701	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/93-03/07/95	4	0.88	2.525	7.943	0.398	13.193	3.632	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/93-03/07/95	4	48.	47.5	50.	44.	6.333	2.517	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/29/93-03/07/95	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/93-03/07/95	4	99.	99.75	104.	97.	9.583	3.096	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/29/93-03/07/95	4	13.5	13.5	14.	13.	0.333	0.577	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/29/93-03/07/95	4	13.	13.25	15.	12.	1.583	1.258	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/93-03/07/95	4	1.15	1.15	1.2	1.1	0.003	0.058	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/93-03/07/95	4	1.05	1.075	1.2	1.	0.009	0.096	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/29/93-03/07/95	4	0.1	0.125	0.2	0.1	0.003	0.05	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/29/93-03/07/95	4	232.	222.5	262.	164.	1817.	42.626	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/29/93-03/07/95	4	196.	207.5	268.	170.	1873.	43.278	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0129

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	4	1.00				2	2	1.00	2	2	1.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00				2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				2	2	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00				2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				2	2	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0130

NPS Station ID: ALPO0130 LAT/LON: 40.402505/ -78.643059 Agency: 12NSS Date Created: 10/22/88
Location: LITTLE CONEMAUGH RIVER FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2C035035U /2CN2C035035U
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 530 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 0.50 On/Off RF1:
RF3 Index: 05010007001017.01 RF3 Mile Point: 17.00 Distance from RF3: 0.01 On/Off RF3:
Description:
THESE DATA WERE COLLECTED DURING PHASE I OF THE NATIONAL STREAM SURVEY AS PART OF EPA'S NATIONAL SURFACE WATER SURVEY AND AQUATIC EFFECTS RESEARCH PROGRAM UNDER THE NATIONAL ACID PRECIPITATION ASSESSMENT PROGRAM. THE SURVEY DESIGN, METHODS, AND DATA LIMITAITONS ARE DESCRIBED IN: KAUFMANN, P.R., ET AL. 1988. CHEMICAL CHARACTERISTICS OF STREAMS IN THE MID-ATLANTIC AND SOUTHEASTERN UNITED STATES. VOL.I: POPULATION DESCRIPTIONS AND PHYSICO-CHEMICAL RELATIONSHIPS. EPA/600/3-88/021A, U.S. ENVIRON. PROT. AGENCY, WASHINGTON, D.C. THE DATA IN STORET ARE THOSE REPORTED IN KAUFMANN ET AL. (1988) WITH THE FOLLOWING EXCEPTIONS: (1) UNITS FOR CHEMICAL PARAMETERS ARE TYPICALLY IN MG/L RATHER THAN MICROEQ/L; (2) NO SUBSTITUTED VALUES ARE PROVIDED FOR SUSPECT DATA; (3) TAGS AND FLAGS USED TO IDENTIFY SUSPICIOUS DATA ARE NOT SHOWN; (4) CALCULATED OR DERIVED VARIABLES ARE EXCLUDED.

Parameter Inventory for Station: ALPO0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/14/86-05/04/86	2	12.	12.	12.	12.	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	04/14/86-05/04/86	2	1.	1.	1.	1.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/14/86-05/04/86	2	2.5	2.5	5.	0.	12.5	3.536	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/14/86-05/04/86	2	183.	183.	184.	182.	2.	1.414	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/14/86-05/04/86	2	10.	10.	10.	10.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/14/86-05/04/86	2	6.65	6.65	6.8	6.5	0.045	0.212	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/14/86-05/04/86	2	6.625	6.625	6.8	6.5	0.046	0.215	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/14/86-05/04/86	2	0.237	0.237	0.316	0.158	0.012	0.112	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/14/86-05/04/86	2	105.75	105.75	135.6	75.9	1782.045	42.214	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/14/86-05/04/86	2	5.	5.	8.	2.	18.	4.243	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/14/86-05/04/86	2	0.001	0.001	0.002	0.	0.	0.001	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/14/86-05/04/86	2	1.05	1.05	1.1	1.	0.005	0.071	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/14/86-05/04/86	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/14/86-05/04/86	2	16.2	16.2	17.2	15.2	2.	1.414	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/14/86-05/04/86	2	5.25	5.25	5.7	4.8	0.405	0.636	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/14/86-05/04/86	2	5.695	5.695	7.27	4.12	4.961	2.227	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/14/86-05/04/86	2	1.4	1.4	1.43	1.37	0.002	0.042	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/14/86-05/04/86	2	9.5	9.5	12.	7.	12.5	3.536	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/14/86-05/04/86	2	55.05	55.05	57.2	52.9	9.245	3.041	**	**	**	**

** - 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

Parameter Inventory for Station: ALPO0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/14/86-05/04/86	2	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/14/86-05/04/86	2	6.15	6.15	6.3	6.	0.045	0.212	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/14/86-05/04/86	2	319.3	319.3	338.8	299.8	760.5	27.577	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/14/86-05/04/86	2	581.5	581.5	786.	377.	83640.5	289.207	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/14/86-05/04/86	2	3.75	3.75	4.1	3.4	0.245	0.495	**	**	**	**
71885	IRON (UG/L AS FE)	04/14/86-05/04/86	2	3.	3.	4.	2.	2.	1.414	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/14/86-05/04/86	2	1738.	1738.	1738.	1738.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/14/86-05/04/86	2	2.1	2.1	2.3	1.9	0.08	0.283	**	**	**	**
83509	STREAM, WIDTH METER	04/14/86-05/04/86	2	8.	8.	8.	8.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0130

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	1	0.50							2	1	0.50			
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	2	2	1.00							2	2	1.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00							2	0	0.00			
		Drinking Water	250.	2	0	0.00							2	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00							2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00							2	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00							2	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: ALPO0131

NPS Station ID: ALPO0131
LAT/LON: 40.408226/ -78.643588
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT06
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_UT06
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/09/93-06/09/93	1	20.8	20.8	20.8	20.8	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/09/93-06/09/93	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/09/93-06/09/93	1	53.	53.	53.	53.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/09/93-06/09/93	1	67.	67.	67.	67.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/09/93-06/09/93	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/09/93-06/09/93	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/09/93-06/09/93	1	0.794	0.794	0.794	0.794	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/09/93-06/09/93	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/09/93-06/09/93	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/09/93-06/09/93	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/09/93-06/09/93	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/09/93-06/09/93	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/09/93-06/09/93	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/09/93-06/09/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/09/93-06/09/93	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/09/93-06/09/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/09/93-06/09/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/09/93-06/09/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/09/93-06/09/93	1	64.	64.	64.	64.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/09/93-06/09/93	1	36.	36.	36.	36.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0131

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0132

NPS Station ID: ALPO0132
LAT/LON: 40.366392/ -78.643781
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-73
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_TR-73
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/93-03/07/95	4	9.75	11.125	17.3	7.7	19.483	4.414	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/30/93-03/07/95	4	4.5	5.	10.	1.	14.	3.742	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/30/93-03/07/95	4	1971.5	2535.75	4400.	1800.	1562178.917	1249.872	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/93-03/07/95	4	2184.	2169.	2570.	1738.	123161.333	350.943	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/30/93-12/08/94	3	10.	9.667	10.	9.	0.333	0.577	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/30/93-03/07/95	4	2.8	2.825	2.9	2.8	0.003	0.05	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/30/93-03/07/95	4	2.8	2.823	2.9	2.8	0.003	0.05	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/93-03/07/95	4	1584.893	1503.401	1584.893	1258.925	26563.749	162.984	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/30/93-03/07/95	4	2.6	2.45	2.9	1.7	0.27	0.52	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/30/93-03/07/95	4	2.6	2.183	2.9	1.7	0.365	0.604	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/93-03/07/95	4	2511.886	6558.83	19952.623	1258.925	80079396.025	8948.709	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/93-03/07/95	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/30/93-03/07/95	4	399.	508.	978.	256.	103736.	322.081	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/93-03/07/95	4	1542.5	1501.5	2106.	815.	281115.	530.203	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/30/93-03/07/95	4	31.5	35.25	66.	12.	506.25	22.5	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/30/93-03/07/95	4	28.5	32.75	67.	7.	625.583	25.012	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/30/93-05/30/94	2	1.45	1.45	2.	0.9	0.605	0.778	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/30/93-03/07/95	4	4.	4.3	6.1	3.1	1.647	1.283	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/30/93-03/07/95	4	3.6	4.075	6.	3.1	1.729	1.315	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/30/93-03/07/95	4	44.5	76.5	192.	25.	6101.667	78.113	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/30/93-03/07/95	4	1631.	1826.5	2998.	1046.	770977.	878.053	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/30/93-03/07/95	4	1321.	1699.	2948.	1206.	701203.333	837.379	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0132

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	0	0.00				1	0	0.00	2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00				2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				2	2	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00				2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				2	2	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00				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: ALPO0133

NPS Station ID: ALPO0133
LAT/LON: 40.365892/ -78.643726
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-35
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_TR-35
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/93-03/07/95	4	12.55	12.5	13.7	11.2	1.127	1.061	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/29/93-03/07/95	4	227.	390.	960.	146.	146308.667	382.503	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/29/93-03/07/95	4	1786.	1818.	2000.	1700.	16496.	128.437	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/93-03/07/95	4	2435.5	2429.25	2635.	2211.	38602.917	196.476	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/29/93-03/07/95	4	6.9	7.525	10.6	5.7	4.583	2.141	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/29/93-03/07/95	4	2.85	2.85	2.9	2.8	0.003	0.058	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/29/93-03/07/95	4	2.847	2.847	2.9	2.8	0.003	0.058	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/93-03/07/95	4	1421.909	1421.909	1584.893	1258.925	35418.331	188.198	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/29/93-03/07/95	4	2.55	2.55	2.9	2.2	0.123	0.351	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/29/93-03/07/95	4	2.482	2.451	2.9	2.2	0.136	0.369	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/93-03/07/95	4	3298.383	3541.316	6309.573	1258.925	6287560.739	2507.501	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/93-03/07/95	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/29/93-03/07/95	4	551.	554.5	612.	504.	2521.	50.21	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/93-03/07/95	4	1998.	2248.25	3264.	1733.	484246.25	695.878	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/29/93-03/07/95	4	62.	63.75	72.	59.	32.25	5.679	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/29/93-03/07/95	4	56.5	59.75	71.	55.	56.917	7.544	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/29/93-05/30/94	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/93-03/07/95	4	5.	5.	5.6	4.4	0.3	0.548	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/93-03/07/95	4	4.8	4.725	5.2	4.1	0.316	0.562	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/29/93-03/07/95	4	40.	40.5	46.	36.	17.667	4.203	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/29/93-03/07/95	4	2129.	1753.55	2726.	30.2	1462827.21	1209.474	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/29/93-03/07/95	4	1196.5	1216.25	1333.	1139.	6852.917	82.782	**	**	**	**

** - 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: ALPO0133

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00				2	0	0.00	2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00				2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				2	2	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00				2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				2	2	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00				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: ALPO0134

NPS Station ID: ALPO0134
LAT/LON: 40.402837/ -78.646004
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-37
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-37
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0134

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/94-04/04/95	3	10.4	10.367	11.	9.7	0.423	0.651	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/27/94-04/04/95	3	146.	119.	196.	15.	8737.	93.472	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/27/94-04/04/95	3	520.	541.	660.	443.	12103.	110.014	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/94-04/04/95	3	546.	547.667	563.	534.	212.333	14.572	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/27/94-04/04/95	3	1.6	1.767	2.4	1.3	0.323	0.569	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/27/94-04/04/95	3	6.3	6.267	6.3	6.2	0.003	0.058	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/27/94-04/04/95	3	6.3	6.264	6.3	6.2	0.003	0.058	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/94-04/04/95	3	0.501	0.544	0.631	0.501	0.006	0.075	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/27/94-04/04/95	3	6.2	6.2	6.4	6.	0.04	0.2	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/27/94-04/04/95	3	6.2	6.17	6.4	6.	0.041	0.203	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/94-04/04/95	3	0.631	0.676	1.	0.398	0.092	0.304	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/94-04/04/95	3	56.	59.333	66.	56.	33.333	5.774	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/27/94-04/04/95	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/27/94-04/04/95	3	202.	203.	216.	191.	157.	12.53	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/27/94-04/04/95	3	6.	13.	29.	4.	193.	13.892	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/27/94-04/04/95	3	3.	3.067	6.	0.2	8.413	2.901	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/27/94-04/04/95	3	0.6	0.567	0.6	0.5	0.003	0.058	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/27/94-04/04/95	3	0.6	0.567	0.6	0.5	0.003	0.058	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/27/94-04/04/95	3	0.1	0.233	0.5	0.1	0.053	0.231	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/27/94-04/04/95	3	294.	251.667	426.	35.	39564.333	198.908	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/27/94-04/04/95	3	297.	281.	400.	146.	16321.	127.754	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0134

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	3	1.00				1	1	1.00	2	2	1.00			
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				1	1	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				1	1	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00				1	0	0.00	2	0	0.00			

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

Station Inventory for Station: ALPO0135

NPS Station ID: ALPO0135
LAT/LON: 40.393392/ -78.646337
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SPRING RUN SR-27
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_SR-27
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG SPRING RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-10/13/94	4	9.9	9.825	10.	9.5	0.056	0.236	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/07/93-10/13/94	4	15.	13.5	20.	4.	56.333	7.506	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-10/13/94	4	756.	816.75	1200.	555.	76348.917	276.313	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-10/13/94	4	1005.	992.5	1195.	765.	44091.667	209.98	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/07/93-10/13/94	4	1.95	2.275	4.	1.2	1.583	1.258	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/07/93-10/13/94	4	3.95	3.975	4.1	3.9	0.009	0.096	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/07/93-10/13/94	4	3.947	3.967	4.1	3.9	0.009	0.096	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-10/13/94	4	112.946	107.804	125.893	79.433	506.739	22.511	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/07/93-10/13/94	4	4.3	4.125	4.4	3.5	0.183	0.427	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/07/93-10/13/94	4	4.289	3.94	4.4	3.5	0.228	0.477	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-10/13/94	4	51.453	114.736	316.228	39.811	18164.415	134.775	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-10/13/94	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-10/13/94	4	54.	60.	82.	50.	221.333	14.877	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-10/13/94	4	701.	760.5	1153.	487.	90796.333	301.324	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/07/93-10/13/94	4	0.75	0.65	1.	0.1	0.19	0.436	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-10/13/94	4	0.45	2.05	7.	0.3	10.897	3.301	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-10/13/94	4	1.15	1.2	1.8	0.7	0.247	0.497	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-10/13/94	4	1.25	1.3	1.8	0.9	0.14	0.374	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-10/13/94	4	7.	6.5	8.	4.	3.	1.732	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-10/13/94	4	881.	740.2	1192.	6.8	270310.027	519.913	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-10/13/94	4	511.5	548.75	800.	372.	33584.917	183.262	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0135

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	4	1.00	2	2	1.00				2	2	1.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	2	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	2	2	1.00				2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	2	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	2	2	1.00				2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00	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: ALPO0136

NPS Station ID: ALPO0136
LAT/LON: 40.386142/ -78.648616
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SPRING RUN SR-37
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_SR-37
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT SPRING RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/94-06/06/94	1	16.1	16.1	16.1	16.1	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/06/94-06/06/94	1	194.	194.	194.	194.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/06/94-06/06/94	1	83.	83.	83.	83.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/06/94-06/06/94	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/06/94-06/06/94	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/06/94-06/06/94	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/06/94-06/06/94	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/06/94-06/06/94	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/06/94-06/06/94	1	2.512	2.512	2.512	2.512	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/06/94-06/06/94	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/06/94-06/06/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/06/94-06/06/94	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/06/94-06/06/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/06/94-06/06/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/06/94-06/06/94	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/06/94-06/06/94	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/06/94-06/06/94	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/06/94-06/06/94	1	82.	82.	82.	82.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/06/94-06/06/94	1	130.	130.	130.	130.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0136

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0137

NPS Station ID: ALPO0137
LAT/LON: 40.394281/ -78.650031
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SPRING RUN SR-25
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_SR-25
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG SPRING RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0137

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-10/13/94	4	10.9	11.65	14.9	9.9	5.023	2.241	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/07/93-10/13/94	4	87.	83.5	125.	35.	1462.333	38.24	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-10/13/94	4	1000.	1022.	1128.	960.	5349.333	73.139	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-10/13/94	4	1473.	1461.25	1629.	1270.	25314.917	159.107	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/07/93-06/06/94	3	7.8	7.9	8.2	7.7	0.07	0.265	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/07/93-10/13/94	4	3.4	3.425	3.5	3.4	0.003	0.05	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/07/93-10/13/94	4	3.4	3.423	3.5	3.4	0.003	0.05	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-10/13/94	4	398.107	377.637	398.107	316.228	1676.059	40.94	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/07/93-10/13/94	4	3.65	3.65	3.8	3.5	0.017	0.129	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/07/93-10/13/94	4	3.647	3.636	3.8	3.5	0.017	0.13	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-10/13/94	4	225.357	231.358	316.228	158.489	4639.746	68.116	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-10/13/94	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-10/13/94	4	184.	186.	238.	138.	1714.667	41.409	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-10/13/94	4	1063.5	1127.75	1508.	876.	80662.917	284.012	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/07/93-10/13/94	4	0.8	0.825	1.	0.7	0.016	0.126	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-10/13/94	4	0.9	1.125	2.	0.7	0.356	0.597	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/07/93-10/23/93	2	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-10/13/94	4	11.35	11.075	13.9	7.7	7.909	2.812	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-10/13/94	4	10.6	10.7	13.9	7.7	6.747	2.597	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-10/13/94	4	21.5	22.25	29.	17.	26.25	5.123	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-10/13/94	4	1453.	1491.	1794.	1264.	49094.667	221.573	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-10/13/94	4	668.5	684.	756.	643.	2450.	49.497	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0137

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	0	0.00	1	0	0.00				2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	2	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	2	2	1.00				2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	2	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	2	2	1.00				2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00	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: ALPO0138

NPS Station ID: ALPO0138
LAT/LON: 40.395726/ -78.650698
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SPRING RUN SR-22
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_SR-22
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT SPRING RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0138

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-06/07/93	1	13.8	13.8	13.8	13.8	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/07/93-06/07/93	1	210.	210.	210.	210.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-06/07/93	1	900.	900.	900.	900.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-06/07/93	1	1124.	1124.	1124.	1124.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/07/93-06/07/93	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/07/93-06/07/93	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-06/07/93	1	251.189	251.189	251.189	251.189	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/07/93-06/07/93	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/07/93-06/07/93	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-06/07/93	1	79.433	79.433	79.433	79.433	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-06/07/93	1	106.	106.	106.	106.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-06/07/93	1	755.	755.	755.	755.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/07/93-06/07/93	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-06/07/93	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-06/07/93	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-06/07/93	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-06/07/93	1	13.	13.	13.	13.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-06/07/93	1	1002.	1002.	1002.	1002.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-06/07/93	1	603.	603.	603.	603.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0138

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0139

NPS Station ID: ALPO0139
LAT/LON: 40.368753/ -78.650809
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-31
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_TR-31
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/93-06/29/93	1	15.3	15.3	15.3	15.3	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/29/93-06/29/93	1	597.	597.	597.	597.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/29/93-06/29/93	1	1090.	1090.	1090.	1090.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/93-06/29/93	1	1217.	1217.	1217.	1217.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/29/93-06/29/93	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/29/93-06/29/93	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/93-06/29/93	1	630.957	630.957	630.957	630.957	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/29/93-06/29/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/29/93-06/29/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/93-06/29/93	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	1	180.	180.	180.	180.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/93-06/29/93	1	782.	782.	782.	782.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/29/93-06/29/93	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/29/93-06/29/93	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/93-06/29/93	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/93-06/29/93	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/29/93-06/29/93	1	15.	15.	15.	15.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/29/93-06/29/93	1	874.	874.	874.	874.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/29/93-06/29/93	1	730.	730.	730.	730.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0139

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0140

NPS Station ID: ALPO0140
LAT/LON: 40.371448/ -78.653059
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-23
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_TR-23
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/93-06/29/93	1	12.2	12.2	12.2	12.2	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/29/93-06/29/93	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/29/93-06/29/93	1	418.	418.	418.	418.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/93-06/29/93	1	569.	569.	569.	569.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/29/93-06/29/93	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/29/93-06/29/93	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/29/93-06/29/93	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/93-06/29/93	1	39.811	39.811	39.811	39.811	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/29/93-06/29/93	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/29/93-06/29/93	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/93-06/29/93	1	251.189	251.189	251.189	251.189	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	1	88.	88.	88.	88.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/93-06/29/93	1	332.	332.	332.	332.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/29/93-06/29/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/29/93-06/29/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/29/93-06/29/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/93-06/29/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/93-06/29/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/29/93-06/29/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/29/93-06/29/93	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/29/93-06/29/93	1	280.	280.	280.	280.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0140

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0141

NPS Station ID: ALPO0141
LAT/LON: 40.371531/ -78.654559
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-22
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_TR-22
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/93-06/29/93	1	12.2	12.2	12.2	12.2	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/29/93-06/29/93	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/29/93-06/29/93	1	440.	440.	440.	440.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/93-06/29/93	1	580.	580.	580.	580.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/29/93-06/29/93	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/29/93-06/29/93	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/29/93-06/29/93	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/93-06/29/93	1	50.119	50.119	50.119	50.119	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/29/93-06/29/93	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/29/93-06/29/93	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/93-06/29/93	1	398.107	398.107	398.107	398.107	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/93-06/29/93	1	331.	331.	331.	331.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/29/93-06/29/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/29/93-06/29/93	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/29/93-06/29/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/93-06/29/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/93-06/29/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/29/93-06/29/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/29/93-06/29/93	1	466.	466.	466.	466.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/29/93-06/29/93	1	295.	295.	295.	295.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0141

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0142

NPS Station ID: ALPO0142
LAT/LON: 40.409615/ -78.655643
Agency: 11NPSWRD
Date Created: 10/17/98
Location: HUGHES BOREHOLE #2 (H2)
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_H2
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A HUGHES BOREHOLE NUMBER 2 NEAR THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0142

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/05/92-04/06/95	8	12.7	12.813	16.4	9.4	5.038	2.245	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/05/92-04/06/95	8	1482.	1635.875	3512.	828.	771603.554	878.41	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/05/92-04/06/95	8	779.	790.875	930.	586.	14646.125	121.021	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/05/92-04/06/95	8	1230.	1216.	1364.	1098.	7434.857	86.226	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/05/92-04/06/95	6 ##	0.	0.1	0.4	0.	0.028	0.167	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/05/92-04/06/95	8	3.7	3.712	4.1	3.1	0.107	0.327	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/05/92-04/06/95	8	3.7	3.593	4.1	3.1	0.123	0.351	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/05/92-04/06/95	8	199.526	255.029	794.328	79.433	54238.116	232.891	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/05/92-04/06/95	8	3.8	4.013	4.7	3.5	0.25	0.5	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/05/92-04/06/95	8	3.8	3.819	4.7	3.5	0.292	0.541	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/05/92-04/06/95	8	158.489	151.535	316.228	19.953	13536.576	116.347	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/05/92-04/06/95	8	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/05/92-04/06/95	8	186.	191.5	232.	160.	934.571	30.571	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/05/92-04/06/95	8	718.5	738.	881.	645.	5515.143	74.264	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/05/92-04/06/95	8	50.5	54.875	85.	34.	276.982	16.643	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/05/92-04/06/95	8	50.5	54.125	83.	33.	297.268	17.241	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	07/20/93-04/06/95	2	49.5	49.5	53.	46.	24.5	4.95	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/05/92-04/06/95	8	2.7	2.738	3.	2.4	0.046	0.213	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/05/92-04/06/95	8	2.65	2.713	3.	2.4	0.041	0.203	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/05/92-04/06/95	8	12.5	13.5	18.	10.	8.286	2.878	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/05/92-04/06/95	8	1042.	1064.25	1298.	800.	26098.786	161.551	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/05/92-04/06/95	8	522.	529.5	623.	393.	6488.571	80.552	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0142

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2 &	2	1.00							2	2	1.00			
00403	PH, LAB	Fresh Chronic	9.	8	0	0.00	1	0	0.00	3	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	8	8	1.00	1	1	1.00	3	3	1.00	4	4	1.00			
00406	PH, FIELD	Fresh Chronic	9.	8	0	0.00	1	0	0.00	3	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	8	8	1.00	1	1	1.00	3	3	1.00	4	4	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	8	8	1.00	1	1	1.00	3	3	1.00	4	4	1.00			

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

Station Inventory for Station: ALPO0143

NPS Station ID: ALPO0143
LAT/LON: 40.410143/ -78.655837
Agency: 11NPSWRD
Date Created: 10/17/98
Location: NEAR HUGHES BOREHOLE #2 (H2A)
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_H2A
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED NEAR HUGHES BOREHOLE #2. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0143

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/30/92-11/30/92	1	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	11/30/92-11/30/92	1	305.	305.	305.	305.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/30/92-11/30/92	1	954.	954.	954.	954.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/30/92-11/30/92	1	1292.	1292.	1292.	1292.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/30/92-11/30/92	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/30/92-11/30/92	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/30/92-11/30/92	1	398.107	398.107	398.107	398.107	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/30/92-11/30/92	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/30/92-11/30/92	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/30/92-11/30/92	1	199.526	199.526	199.526	199.526	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/30/92-11/30/92	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/30/92-11/30/92	1	204.	204.	204.	204.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/30/92-11/30/92	1	772.	772.	772.	772.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/30/92-11/30/92	1	64.	64.	64.	64.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	11/30/92-11/30/92	1	64.	64.	64.	64.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/30/92-11/30/92	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/30/92-11/30/92	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/30/92-11/30/92	1	11.	11.	11.	11.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/30/92-11/30/92	1	1010.	1010.	1010.	1010.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	11/30/92-11/30/92	1	639.	639.	639.	639.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0143

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0144

NPS Station ID: ALPO0144
LAT/LON: 40.410642/ -78.656310
Agency: 11NPSWRD
Date Created: 10/17/98
Location: NEAR HUGHES BOREHOLE #2 (H2B)
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_H2B
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT NEAR HUGHES BOREHOLE #2 (H2B). THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0144

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/30/92-11/30/92	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	11/30/92-11/30/92	1	452.	452.	452.	452.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/30/92-11/30/92	1	930.	930.	930.	930.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/30/92-11/30/92	1	1297.	1297.	1297.	1297.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/30/92-11/30/92	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/30/92-11/30/92	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/30/92-11/30/92	1	501.187	501.187	501.187	501.187	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/30/92-11/30/92	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/30/92-11/30/92	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/30/92-11/30/92	1	251.189	251.189	251.189	251.189	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/30/92-11/30/92	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/30/92-11/30/92	1	204.	204.	204.	204.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/30/92-11/30/92	1	772.	772.	772.	772.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/30/92-11/30/92	1	54.	54.	54.	54.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	11/30/92-11/30/92	1	44.	44.	44.	44.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/30/92-11/30/92	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/30/92-11/30/92	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/30/92-11/30/92	1	11.	11.	11.	11.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/30/92-11/30/92	1	994.	994.	994.	994.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	11/30/92-11/30/92	1	623.	623.	623.	623.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0144

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0145

NPS Station ID: ALPO0145
LAT/LON: 40.409337/ -78.656142
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-32
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_LCR-32
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/16/94-04/06/95	2	16.1	16.1	19.9	12.3	28.88	5.374	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/16/94-06/16/94	1	3017.	3017.	3017.	3017.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/16/94-04/06/95	2	224.5	224.5	249.	200.	1200.5	34.648	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/16/94-04/06/95	2	240.5	240.5	257.	224.	544.5	23.335	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/16/94-04/06/95	2	6.7	6.7	6.8	6.6	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/16/94-04/06/95	2	6.689	6.689	6.8	6.6	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/94-04/06/95	2	0.205	0.205	0.251	0.158	0.004	0.066	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/16/94-04/06/95	2	6.65	6.65	7.2	6.1	0.605	0.778	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/16/94-04/06/95	2	6.368	6.368	7.2	6.1	0.764	0.874	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/94-04/06/95	2	0.429	0.429	0.794	0.063	0.267	0.517	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/16/94-04/06/95	2	20.	20.	24.	16.	32.	5.657	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/16/94-04/06/95	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/16/94-04/06/95	2	66.5	66.5	77.	56.	220.5	14.849	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/16/94-04/06/95	2	0.25	0.25	0.3	0.2	0.005	0.071	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/16/94-04/06/95	2	0.055	0.055	0.06	0.05	0.	0.007	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/16/94-04/06/95	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/16/94-04/06/95	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/16/94-04/06/95	2	0.45	0.45	0.6	0.3	0.045	0.212	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/16/94-04/06/95	2	170.	170.	192.	148.	968.	31.113	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/16/94-04/06/95	2	150.	150.	167.	133.	578.	24.042	**	**	**	**

** - 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

EPA Water Quality Criteria Analysis for Station: ALPO0145

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00							2	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	1	0.50							2	1	0.50			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: ALPO0146

NPS Station ID: ALPO0146
LAT/LON: 40.391421/ -78.658670
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SPRING RUN SR-10
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_SR-10
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG SPRING RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0146

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/93-10/13/94	3	12.9	14.8	19.2	12.3	14.61	3.822	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/07/93-10/13/94	3	20.	41.333	88.	16.	1637.333	40.464	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/93-10/13/94	3	4400.	4094.667	6000.	1884.	4305285.333	2074.918	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/93-10/13/94	4	5281.5	4750.5	6278.	2161.	3736704.333	1933.056	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/07/93-10/13/94	3	6.5	6.067	8.8	2.9	8.843	2.974	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/07/93-10/13/94	4	2.6	2.675	2.9	2.6	0.022	0.15	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/07/93-10/13/94	4	2.6	2.658	2.9	2.6	0.023	0.151	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-10/13/94	4	2511.886	2198.646	2511.886	1258.925	392477.829	626.481	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/07/93-10/13/94	3	3.	2.9	3.	2.7	0.03	0.173	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/07/93-10/13/94	3	3.	2.876	3.	2.7	0.031	0.176	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/93-10/13/94	3	1000.	1331.754	1995.262	1000.	330182.359	574.615	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/93-10/13/94	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/93-10/13/94	4	3205.	3088.5	5620.	324.	8296449.	2880.356	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/93-10/13/94	4	3410.	6648.5	18806.	968.	68617883.667	8283.591	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/07/93-06/06/94	2	306.5	306.5	540.	73.	109044.5	330.219	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/07/93-06/06/94	2	291.5	291.5	510.	73.	95484.5	309.006	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/07/93-10/13/94	3	106.	92.	118.	52.	1236.	35.157	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/07/93-10/13/94	4	28.1	25.75	32.5	14.3	65.237	8.077	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/07/93-10/13/94	4	25.9	24.675	32.6	14.3	58.623	7.657	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/07/93-10/13/94	4	383.5	342.75	506.	98.	34278.25	185.144	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/93-10/13/94	4	9152.	8411.5	12324.	3018.	19713089.	4439.942	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/93-10/13/94	3	2948.	2743.333	4020.	1262.	1933057.333	1390.344	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0146

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	1	0.33	1	1	1.00				2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	2	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	2	2	1.00				2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00				2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00	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: ALPO0147

NPS Station ID: ALPO0147
LAT/LON: 40.391281/ -78.659337
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SPRING RUN SR-17
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_SR-17
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT SPRING RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0147

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-06/14/93	1	14.1	14.1	14.1	14.1	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/14/93-06/14/93	1	384.	384.	384.	384.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-06/14/93	1	1100.	1100.	1100.	1100.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-06/14/93	1	1277.	1277.	1277.	1277.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/93-06/14/93	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/93-06/14/93	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-06/14/93	1	630.957	630.957	630.957	630.957	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/14/93-06/14/93	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/14/93-06/14/93	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-06/14/93	1	125.893	125.893	125.893	125.893	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	280.	280.	280.	280.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-06/14/93	1	886.	886.	886.	886.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/93-06/14/93	1	29.	29.	29.	29.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-06/14/93	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/14/93-06/14/93	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-06/14/93	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-06/14/93	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-06/14/93	1	31.	31.	31.	31.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-06/14/93	1	970.	970.	970.	970.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-06/14/93	1	737.	737.	737.	737.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0147

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0148

NPS Station ID: ALPO0148
LAT/LON: 40.392003/ -78.659254
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SPRING RUN SR-18
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_SR-18
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT SPRING RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0148

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-06/14/93	1	15.2	15.2	15.2	15.2	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/14/93-06/14/93	1	311.	311.	311.	311.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-06/14/93	1	780.	780.	780.	780.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-06/14/93	1	812.	812.	812.	812.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/93-06/14/93	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/93-06/14/93	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-06/14/93	1	31.623	31.623	31.623	31.623	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/14/93-06/14/93	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/14/93-06/14/93	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-06/14/93	1	15.849	15.849	15.849	15.849	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	98.	98.	98.	98.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-06/14/93	1	553.	553.	553.	553.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/93-06/14/93	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-06/14/93	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-06/14/93	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-06/14/93	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-06/14/93	1	14.	14.	14.	14.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-06/14/93	1	690.	690.	690.	690.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-06/14/93	1	523.	523.	523.	523.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0148

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0149

NPS Station ID: ALPO0149
LAT/LON: 40.412031/ -78.659615
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-33
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_LCR-33
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-04/06/95	3	18.	17.167	22.3	11.2	31.323	5.597	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/14/93-06/14/94	2	6797.	6797.	9160.	4434.	11167538.	3341.787	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-04/06/95	3	290.	338.667	480.	246.	15465.333	124.36	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-04/06/95	3	338.	405.333	590.	288.	26201.333	161.868	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/93-04/06/95	3	4.6	4.567	5.	4.1	0.203	0.451	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/93-04/06/95	3	4.6	4.418	5.	4.1	0.236	0.486	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-04/06/95	3	25.119	38.184	79.433	10.	1333.251	36.514	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/14/93-04/06/95	3	4.8	4.733	6.1	3.3	1.963	1.401	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/14/93-04/06/95	3	4.8	3.763	6.1	3.3	3.376	1.837	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-04/06/95	3	15.849	172.61	501.187	0.794	81028.828	284.656	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-04/06/95	3	2.	1.667	3.	0.	2.333	1.528	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-04/06/95	3	42.	39.	56.	19.	349.	18.682	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-04/06/95	3	138.	191.	303.	132.	9417.	97.041	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/93-04/06/95	3	5.	6.	9.	4.	7.	2.646	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-04/06/95	3	4.	4.	6.	2.	4.	2.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-04/06/95	3	0.7	0.767	1.	0.6	0.043	0.208	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-04/06/95	3	0.7	0.733	0.9	0.6	0.023	0.153	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-04/06/95	3	4.	4.	6.	2.	4.	2.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-04/06/95	3	288.	308.	472.	164.	24016.	154.971	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-04/06/95	3	193.	226.667	322.	165.	7012.333	83.74	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0149

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00							3	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00							3	3	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00							3	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00							3	3	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0150

NPS Station ID: ALPO0150
LAT/LON: 40.412310/ -78.660810
Agency: 11NPSWRD
Date Created: 10/17/98
Location: NOELS RUN NO-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_NO-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT NOELS RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0150

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-06/14/93	1	16.2	16.2	16.2	16.2	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/14/93-06/14/93	1	2113.	2113.	2113.	2113.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-06/14/93	1	134.	134.	134.	134.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-06/14/93	1	121.	121.	121.	121.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/93-06/14/93	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/93-06/14/93	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-06/14/93	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/14/93-06/14/93	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/14/93-06/14/93	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-06/14/93	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-06/14/93	1	38.	38.	38.	38.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/93-06/14/93	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-06/14/93	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-06/14/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-06/14/93	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-06/14/93	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-06/14/93	1	54.4	54.4	54.4	54.4	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-06/14/93	1	89.	89.	89.	89.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0150

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0151

NPS Station ID: ALPO0151
LAT/LON: 40.395503/ -78.670031
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-55
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-55
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/94-12/15/94	2	12.8	12.8	16.4	9.2	25.92	5.091	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/27/94-12/15/94	2	15.5	15.5	21.	10.	60.5	7.778	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/27/94-12/15/94	2	475.	475.	500.	450.	1250.	35.355	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/94-12/15/94	2	546.5	546.5	621.	472.	11100.5	105.359	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/27/94-12/15/94	2	6.45	6.45	6.5	6.4	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/27/94-12/15/94	2	6.447	6.447	6.5	6.4	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/94-12/15/94	2	0.357	0.357	0.398	0.316	0.003	0.058	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/27/94-12/15/94	2	6.4	6.4	6.7	6.1	0.18	0.424	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/27/94-12/15/94	2	6.304	6.304	6.7	6.1	0.199	0.446	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/94-12/15/94	2	0.497	0.497	0.794	0.2	0.177	0.421	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/94-12/15/94	2	85.	85.	94.	76.	162.	12.728	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/27/94-12/15/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/27/94-12/15/94	2	130.	130.	136.	124.	72.	8.485	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/27/94-12/15/94	2	5.	5.	5.	5.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/27/94-12/15/94	2	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/27/94-12/15/94	2	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/27/94-12/15/94	2	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/27/94-12/15/94	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/27/94-12/15/94	2	197.	197.	346.	48.	44402.	210.718	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/27/94-12/15/94	2	318.5	318.5	335.	302.	544.5	23.335	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0151

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	1	0.50				1	0	0.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00				1	0	0.00	1	0	0.00			

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

Station Inventory for Station: ALPO0152

NPS Station ID: ALPO0152
LAT/LON: 40.381198/ -78.670115
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-14
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_TR-14
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0152

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/28/92-05/31/94	6	11.	12.1	15.1	10.4	4.316	2.077	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	11/28/92-05/31/94	6	241.	252.5	377.	159.	5135.1	71.66	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/28/92-05/31/94	6	1120.5	1132.333	1220.	1054.	3221.067	56.754	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/28/92-05/31/94	6	1475.5	1476.167	1588.	1374.	7793.367	88.28	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/28/92-05/31/94	5	0.2	0.34	1.1	0.	0.208	0.456	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/28/92-05/31/94	6	4.6	4.583	4.7	4.5	0.006	0.075	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/28/92-05/31/94	6	4.6	4.578	4.7	4.5	0.006	0.076	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/92-05/31/94	6	25.119	26.426	31.623	19.953	20.209	4.495	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/28/92-05/31/94	6	4.8	4.383	5.2	2.5	1.118	1.057	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/28/92-05/31/94	6	4.789	3.251	5.2	2.5	2.656	1.63	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/92-05/31/94	6	16.271	560.988	3162.278	6.31	1627501.972	1275.736	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/28/92-05/31/94	6	2.	2.167	4.	0.	1.767	1.329	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/28/92-05/31/94	6	209.	216.333	236.	206.	194.267	13.938	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/28/92-05/31/94	6	1070.	1093.	1309.	900.	21888.	147.946	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/28/92-05/31/94	6	64.	65.667	79.	59.	48.667	6.976	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	11/28/92-05/31/94	6	62.	63.833	76.	59.	40.567	6.369	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/28/93-11/06/93	2	66.5	66.5	74.	59.	112.5	10.607	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/28/92-05/31/94	6	6.8	7.017	8.1	6.6	0.33	0.574	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/28/92-05/31/94	6	6.7	6.917	7.9	6.5	0.278	0.527	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/28/92-05/31/94	6	16.	15.833	20.	12.	6.567	2.563	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/28/92-05/31/94	6	1412.	1411.	1684.	1154.	29255.6	171.043	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	11/28/92-05/31/94	6	751.	925.333	1817.	706.	191439.867	437.538	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0152

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3 &	3	1.00				1	1	1.00	2	2	1.00			
00403	PH, LAB	Fresh Chronic	9.	6	0	0.00				4	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	6	6	1.00				4	4	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	6	0	0.00				4	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	6	6	1.00				4	4	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	6	1.00				4	4	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: ALPO0153

NPS Station ID: ALPO0153
LAT/LON: 40.381337/ -78.670310
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-13
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_TR-13
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/28/93-05/31/94	4	12.5	12.325	14.5	9.8	5.649	2.377	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	01/28/93-05/31/94	4	1932.	2097.75	3393.	1134.	956266.917	977.889	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/28/93-05/31/94	4	881.5	870.25	966.	752.	8269.583	90.937	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/93-05/31/94	4	1196.	1188.75	1218.	1145.	982.25	31.341	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/28/93-05/31/94	4	0.3	0.675	2.1	0.	0.929	0.964	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/28/93-05/31/94	4	4.8	4.8	4.9	4.7	0.007	0.082	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/28/93-05/31/94	4	4.8	4.794	4.9	4.7	0.007	0.082	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/93-05/31/94	4	15.849	16.06	19.953	12.589	9.096	3.016	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/28/93-05/31/94	4	4.6	4.475	5.2	3.5	0.743	0.862	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/28/93-05/31/94	4	4.274	3.97	5.2	3.5	1.083	1.041	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/93-05/31/94	4	53.155	107.212	316.228	6.31	21367.401	146.176	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/93-05/31/94	4	6.	7.	12.	4.	12.	3.464	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	01/28/93-05/31/94	4	104.	103.5	112.	94.	54.333	7.371	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/28/93-05/31/94	4	770.5	790.	959.	660.	15687.333	125.249	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	01/28/93-05/31/94	4	35.5	35.	37.	32.	6.	2.449	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	01/28/93-05/31/94	4	34.5	33.25	37.	27.	20.25	4.5	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/28/93-11/06/93	2	36.5	36.5	37.	36.	0.5	0.707	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	01/28/93-05/31/94	4	4.5	4.475	4.6	4.3	0.016	0.126	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/28/93-05/31/94	4	4.4	4.325	4.5	4.	0.056	0.236	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	01/28/93-05/31/94	4	9.	9.25	11.	8.	1.583	1.258	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	01/28/93-05/31/94	4	1093.	1081.	1162.	976.	6972.	83.499	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	01/28/93-05/31/94	4	590.	582.5	647.	503.	3747.	61.213	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0153

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3 &	3	1.00				1	1	1.00	2	2	1.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00				2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				2	2	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00				2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				2	2	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00				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: ALPO0154

NPS Station ID: ALPO0154
LAT/LON: 40.381753/ -78.670809
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-12
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_TR-12
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0154

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/93-06/29/93	1	16.4	16.4	16.4	16.4	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/29/93-06/29/93	1	1093.	1093.	1093.	1093.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/29/93-06/29/93	1	763.	763.	763.	763.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/93-06/29/93	1	893.	893.	893.	893.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/29/93-06/29/93	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/29/93-06/29/93	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/93-06/29/93	1	398.107	398.107	398.107	398.107	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/29/93-06/29/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/29/93-06/29/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/93-06/29/93	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	1	132.	132.	132.	132.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/93-06/29/93	1	593.	593.	593.	593.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/29/93-06/29/93	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/29/93-06/29/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/93-06/29/93	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/93-06/29/93	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/29/93-06/29/93	1	15.	15.	15.	15.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/29/93-06/29/93	1	734.	734.	734.	734.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/29/93-06/29/93	1	511.	511.	511.	511.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0154

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0155

NPS Station ID: ALPO0155
LAT/LON: 40.381616/ -78.670892
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-11
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_TR-11
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/22/92-11/06/93	4	9.8	10.1	11.8	9.	1.667	1.291	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	12/22/92-11/06/93	4	2895.	3438.25	6670.	1293.	5722598.917	2392.195	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/22/92-11/06/93	4	855.	821.5	880.	696.	7555.667	86.923	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/22/92-11/06/93	4	1222.	1201.5	1235.	1127.	2617.	51.157	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/22/92-11/06/93	4	4.8	4.575	4.9	3.8	0.269	0.519	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/22/92-11/06/93	4	4.8	4.295	4.9	3.8	0.374	0.611	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/92-11/06/93	4	15.849	50.694	158.489	12.589	5166.72	71.88	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	12/22/92-11/06/93	4	4.8	4.675	5.2	3.9	0.303	0.55	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	12/22/92-11/06/93	4	4.8	4.387	5.2	3.9	0.413	0.642	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/22/92-11/06/93	4	15.849	40.975	125.893	6.31	3225.106	56.79	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/22/92-11/06/93	4	4.	3.5	6.	0.	7.	2.646	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/22/92-11/06/93	4	116.	117.5	126.	112.	35.667	5.972	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/22/92-11/06/93	4	790.5	772.25	823.	685.	3619.583	60.163	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	12/22/92-11/06/93	4	39.	39.75	44.	37.	11.583	3.403	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	12/22/92-11/06/93	4	39.	39.	43.	35.	13.333	3.651	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	11/06/93-11/06/93	1	41.	41.	41.	41.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	12/22/92-11/06/93	4	4.75	4.75	4.8	4.7	0.003	0.058	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/22/92-11/06/93	4	4.8	4.8	4.9	4.7	0.007	0.082	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	12/22/92-11/06/93	4	10.5	10.75	12.	10.	0.917	0.957	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	12/22/92-11/06/93	4	1044.	1038.	1072.	992.	1114.667	33.387	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	12/22/92-11/06/93	4	572.5	550.25	590.	466.	3404.25	58.346	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0155

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00				3	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				3	3	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00				3	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				3	3	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00				3	3	1.00	1	1	1.00			

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

Station Inventory for Station: ALPO0156

NPS Station ID: ALPO0156
LAT/LON: 40.382115/ -78.672392
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-10
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_TR-10
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0156

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/93-06/29/93	1	13.4	13.4	13.4	13.4	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/29/93-06/29/93	1	3003.	3003.	3003.	3003.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/29/93-06/29/93	1	684.	684.	684.	684.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/93-06/29/93	1	1119.	1119.	1119.	1119.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/29/93-06/29/93	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/29/93-06/29/93	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/93-06/29/93	1	50.119	50.119	50.119	50.119	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/29/93-06/29/93	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/29/93-06/29/93	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/93-06/29/93	1	199.526	199.526	199.526	199.526	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	1	124.	124.	124.	124.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/93-06/29/93	1	825.	825.	825.	825.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/29/93-06/29/93	1	36.	36.	36.	36.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/29/93-06/29/93	1	31.	31.	31.	31.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/93-06/29/93	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/93-06/29/93	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/29/93-06/29/93	1	11.	11.	11.	11.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/29/93-06/29/93	1	1066.	1066.	1066.	1066.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/29/93-06/29/93	1	511.	511.	511.	511.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0156

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0157

NPS Station ID: ALPO0157
LAT/LON: 40.395088/ -78.675198
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SPRING RUN SR-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_SR-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT SPRING RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-03/16/95	4	13.35	13.675	18.	10.	16.609	4.075	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/14/93-03/16/95	4	458.5	559.25	1151.	169.	178258.917	422.207	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-03/16/95	4	893.5	896.75	1100.	700.	26708.917	163.429	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-03/16/95	4	1093.	1216.	1699.	979.	107342.667	327.632	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/93-03/16/95	4	3.4	3.35	3.5	3.1	0.03	0.173	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/93-03/16/95	4	3.4	3.322	3.5	3.1	0.031	0.176	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-03/16/95	4	398.107	476.693	794.328	316.228	46330.9	215.246	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/14/93-03/16/95	4	3.4	3.45	4.	3.	0.177	0.42	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/14/93-03/16/95	4	3.389	3.319	4.	3.	0.199	0.447	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-03/16/95	4	408.707	479.354	1000.	100.	147356.191	383.87	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-03/16/95	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-03/16/95	4	195.	256.5	458.	178.	18126.333	134.634	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-03/16/95	4	715.	958.	1805.	597.	323815.333	569.048	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/93-03/16/95	4	11.5	20.	49.	8.	376.667	19.408	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-03/16/95	4	10.5	18.	44.	7.	303.333	17.416	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/14/93-06/14/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-03/16/95	4	5.25	5.025	6.	3.6	1.029	1.014	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-03/16/95	4	5.25	4.85	5.5	3.4	0.95	0.975	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-03/16/95	4	23.5	27.75	45.	19.	136.917	11.701	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-03/16/95	4	1011.	1167.	1796.	850.	196801.333	443.623	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-03/16/95	4	598.5	600.75	737.	469.	11990.917	109.503	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0157

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00				2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				2	2	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00				2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				2	2	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00				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: ALPO0158

NPS Station ID: ALPO0158
LAT/LON: 40.395726/ -78.675115
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-40
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_LCR-40
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-06/14/93	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/14/93-06/14/93	1	11498.	11498.	11498.	11498.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-06/14/93	1	235.	235.	235.	235.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-06/14/93	1	299.	299.	299.	299.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/93-06/14/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/93-06/14/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-06/14/93	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/14/93-06/14/93	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/14/93-06/14/93	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-06/14/93	1	7.943	7.943	7.943	7.943	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-06/14/93	1	129.	129.	129.	129.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/93-06/14/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-06/14/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-06/14/93	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-06/14/93	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-06/14/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-06/14/93	1	156.7	156.7	156.7	156.7	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-06/14/93	1	157.	157.	157.	157.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0158

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0159

NPS Station ID: ALPO0159
LAT/LON: 40.394865/ -78.676142
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-41
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_LCR-41
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0159

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-06/14/93	1	23.2	23.2	23.2	23.2	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/14/93-06/14/93	1	13892.	13892.	13892.	13892.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-06/14/93	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-06/14/93	1	325.	325.	325.	325.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/93-06/14/93	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/93-06/14/93	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-06/14/93	1	15.849	15.849	15.849	15.849	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/14/93-06/14/93	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/14/93-06/14/93	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-06/14/93	1	12.589	12.589	12.589	12.589	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-06/14/93	1	344.	344.	344.	344.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/93-06/14/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-06/14/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-06/14/93	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-06/14/93	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-06/14/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-06/14/93	1	160.	160.	160.	160.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-06/14/93	1	161.	161.	161.	161.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0159

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0160

NPS Station ID: ALPO0160
LAT/LON: 40.393392/ -78.682253
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-46
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-46
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0160

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/18/93-03/07/95	4	12.4	12.6	15.5	10.1	4.973	2.23	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/08/94-03/07/95	3	289.	263.333	293.	208.	2300.333	47.962	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/18/93-03/07/95	4	787.5	818.75	1000.	700.	21406.25	146.309	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/18/93-03/07/95	4	1146.	1197.	1526.	970.	55086.667	234.705	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/18/93-03/07/95	4	0.4	0.5	1.2	0.	0.253	0.503	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/18/93-03/07/95	4	4.75	4.825	5.7	4.1	0.636	0.797	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/18/93-03/07/95	4	4.468	4.427	5.7	4.1	0.847	0.92	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/18/93-03/07/95	4	34.054	37.384	79.433	1.995	1576.505	39.705	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/18/93-03/07/95	4	4.9	4.9	5.7	4.1	0.593	0.77	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/18/93-03/07/95	4	4.66	4.504	5.7	4.1	0.802	0.896	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/18/93-03/07/95	4	21.896	31.305	79.433	1.995	1331.431	36.489	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/18/93-03/07/95	4	7.5	10.25	26.	0.	160.25	12.659	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/18/93-03/07/95	4	95.	92.1	178.	0.4	5908.84	76.869	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/18/93-03/07/95	4	683.	724.5	986.	546.	38213.667	195.483	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/18/93-03/07/95	4	27.5	28.25	50.	8.	302.917	17.405	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/18/93-03/07/95	4	24.5	25.75	49.	5.	338.25	18.392	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/18/93-03/07/95	4	3.6	3.625	4.1	3.2	0.162	0.403	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/18/93-03/07/95	4	3.25	3.425	4.1	3.1	0.222	0.472	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/18/93-03/07/95	4	7.5	8.25	16.	2.	33.583	5.795	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/18/93-03/07/95	4	1000.	1036.	1420.	724.	83640.	289.206	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/18/93-03/07/95	4	527.5	547.75	667.	469.	9362.25	96.759	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0160

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3 &	3	1.00				2	2	1.00	1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00	2	2	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00	2	2	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00	1	1	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: ALPO0161

NPS Station ID: ALPO0161
LAT/LON: 40.393087/ -78.683003
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-44
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-44
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0161

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/18/93-03/13/95	4	13.25	13.25	15.9	10.6	4.817	2.195	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/18/93-03/13/95	4	2587.5	2586.5	2872.	2299.	58523.	241.915	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/18/93-03/13/95	4	1375.	3189.	9000.	1006.	15108550.667	3886.972	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/18/93-03/13/95	4	1366.	1368.75	1430.	1313.	2462.25	49.621	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/15/94-03/13/95	2	0.6	0.6	1.	0.2	0.32	0.566	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/18/93-03/13/95	4	4.3	4.3	4.7	3.9	0.113	0.337	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/18/93-03/13/95	4	4.289	4.206	4.7	3.9	0.125	0.354	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/18/93-03/13/95	4	51.453	62.188	125.893	19.953	2114.554	45.984	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/18/93-03/13/95	4	4.6	4.525	4.7	4.2	0.049	0.222	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/18/93-03/13/95	4	4.6	4.477	4.7	4.2	0.052	0.228	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/18/93-03/13/95	4	25.119	33.322	63.096	19.953	399.933	19.998	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/18/93-03/13/95	4	0.	1.25	5.	0.	6.25	2.5	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/18/93-03/13/95	4	164.	169.5	208.	142.	777.	27.875	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/18/93-03/13/95	4	923.	912.	954.	848.	2250.	47.434	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/18/93-03/13/95	4	42.	42.25	50.	35.	38.25	6.185	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/18/93-03/13/95	4	39.5	40.	50.	31.	60.667	7.789	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/08/94-06/08/94	1	45.	45.	45.	45.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/18/93-03/13/95	4	3.9	3.875	4.	3.7	0.016	0.126	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/18/93-03/13/95	4	3.7	3.75	4.	3.6	0.03	0.173	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/18/93-03/13/95	4	12.	12.25	14.	11.	2.25	1.5	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/18/93-03/13/95	4	1293.	1282.	1402.	1140.	12418.667	111.439	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/18/93-03/13/95	4	921.5	2136.75	6030.	674.	6781770.25	2604.183	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0161

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	2	1.00				2	2	1.00						
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00	2	2	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00	2	2	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00	1	1	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: ALPO0162

NPS Station ID: ALPO0162
LAT/LON: 40.393531/ -78.683003
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-45
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-45
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0162

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/18/93-03/13/95	4	13.25	13.35	15.9	11.	4.617	2.149	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/18/93-03/13/95	4	1370.5	1284.	1617.	778.	129818.	360.303	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/18/93-03/13/95	4	1028.5	2601.75	7500.	850.	10690178.917	3269.584	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/18/93-03/13/95	4	1071.	1098.5	1224.	1028.	7443.667	86.277	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/08/94-03/13/95	3	0.6	0.6	0.8	0.4	0.04	0.2	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/18/93-03/13/95	4	5.85	5.825	6.2	5.4	0.122	0.35	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/18/93-03/13/95	4	5.825	5.721	6.2	5.4	0.137	0.37	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/18/93-03/13/95	4	1.498	1.902	3.981	0.631	2.253	1.501	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/18/93-03/13/95	4	5.75	5.75	6.2	5.3	0.15	0.387	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/18/93-03/13/95	4	5.725	5.628	6.2	5.3	0.17	0.412	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/18/93-03/13/95	4	1.885	2.353	5.012	0.631	3.752	1.937	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/18/93-03/13/95	4	45.	46.5	74.	22.	470.333	21.687	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/18/93-03/13/95	4	23.5	22.25	40.	2.	382.917	19.568	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/18/93-03/13/95	4	596.	607.5	700.	538.	5414.333	73.582	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/18/93-03/13/95	4	23.	32.75	70.	15.	647.583	25.448	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/18/93-03/13/95	4	21.5	23.	38.	11.	152.667	12.356	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/18/93-03/13/95	4	2.8	2.9	3.5	2.5	0.18	0.424	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/18/93-03/13/95	4	2.7	2.75	3.1	2.5	0.07	0.265	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/18/93-03/13/95	4	2.	2.2	4.	0.8	1.76	1.327	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/18/93-03/13/95	4	945.	958.5	1074.	870.	7665.	87.55	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/18/93-03/13/95	4	689.	1743.75	5027.	570.	4802954.917	2191.564	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0162

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	3	1.00				2	2	1.00	1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00	2	2	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00	2	2	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00	1	1	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: ALPO0163

NPS Station ID: ALPO0163 LAT/LON: 40.299337/ -78.683476 Agency: 11NPSWRD Date Created: 01/31/98
Location: SFL CONEMAUGH .5 MILE ABOVE HIGHLAND WATER GATE FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_JC_SITE_6
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE-PA CAMBRIA COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE SITE WAS ON THE SOUTH FORK OF THE LITTLE CONEMAUGH RIVER AND WAS OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL. THE DATA WERE COLLECTED BETWEEN LLOYDELL AND BEAVERDALE RESERVOIR APPROXIMATELY 0.5 MILES UPSTREAM FROM THE HIGHLAND WATER AND SEWER GATE. THE STREAM WAS SAMPLED FOR METALS; NITRATE AND PHOSPHATE SPECIES; ACIDITY/ALKALINITY. THE LOCATION WAS SAMPLED FOR PRELIMINARY DATA TO A STUDY THAT SUBSEQUENTLY WAS NOT WRITTEN. THE DATA IS ON FILE AT THE PARK HEADQUARTERS. FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT JOHNSTOWN FLOOD NATIONAL MEMORIAL; PO BOX 189; CRESSON PA 16630 (TEL. 814-886-6100). DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/86-07/07/87	12	14.1	13.392	19.5	0.	33.932	5.825	2.4	9.5	18.75	19.35
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/07/86-07/07/87	12	82.	81.417	190.	10.	2487.174	49.872	15.4	43.	113.75	170.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/86-07/07/87	6	9.8	10.1	12.3	8.6	2.184	1.478	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/22/86-07/07/87	6	99.35	99.033	105.	93.5	25.987	5.098	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/07/87-07/07/87	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/07/87-07/07/87	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/07/87-07/07/87	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/07/86-07/07/87	13	6.5	6.218	7.15	4.7	0.596	0.772	4.76	5.785	6.82	7.022
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/07/86-07/07/87	13	6.5	5.508	7.15	4.7	1.142	1.069	4.76	5.785	6.82	7.022
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/07/86-07/07/87	13	0.316	3.107	19.953	0.071	40.02	6.326	0.102	0.151	1.72	17.622
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	05/29/86-07/07/87	12	15.5	17.333	61.	0.	249.515	15.796	0.3	7.5	22.	49.6
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	05/29/86-07/07/87	12	3.	3.167	6.	1.	2.152	1.467	1.3	2.	4.	5.7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/07/86-07/07/87	12 ##	0.025	0.045	0.146	0.	0.002	0.045	0.	0.014	0.066	0.136
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/29/86-08/18/86	4 ##	0.025	0.05	0.125	0.025	0.003	0.05	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/07/86-07/07/87	12	0.66	0.644	0.89	0.204	0.027	0.163	0.307	0.61	0.727	0.848
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/21/86-07/07/87	6	17.5	19.	37.	10.	92.8	9.633	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/29/86-07/07/87	10	5.45	5.71	10.	1.8	7.788	2.791	1.84	3.4	8.25	9.9
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/21/86-07/07/87	6	0.95	1.067	2.	0.4	0.351	0.592	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/07/86-07/07/87	13	10.	15.692	71.	8.	288.897	16.997	8.4	9.	12.5	51.4
01045	IRON, TOTAL (UG/L AS FE)	05/29/86-07/07/87	10	167.5	194.8	540.	69.	18581.511	136.314	71.1	92.25	242.5	511.
01055	MANGANESE, TOTAL (UG/L AS MN)	05/29/86-07/07/87	11	45.	284.491	2570.	20.	575714.789	758.759	21.	30.	83.3	2083.4
01092	ZINC, TOTAL (UG/L AS ZN)	05/07/86-08/18/86	5	9.	228.6	1110.	1.	242825.3	492.773	**	**	**	**

** - Less than 9 observations ## - 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: ALPO0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/07/86-07/07/87	12	200.5	723.333	4840.	0.	1904785.515	1380.14	15.	104.25	531.5	3916.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/07/86-07/07/87	12	## 0.003	0.006	0.028	0.	0.	0.009	0.	0.001	0.006	0.026
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	05/07/86-07/07/87	12	-7.	7.583	39.	-12.	246.083	15.687	7.	6.	27.75	3.3
81319	COD, FIELD MG/L	07/22/86-08/18/86	2	1.95	1.95	2.9	1.	1.805	1.344	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/29/86-06/02/87	10	1.4	1.74	6.7	0.	3.42	1.849	0.06	0.675	1.925	6.23

** - 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: ALPO0163

				Total	Exceed	Prop.	----------8/01-10/31----------			----------11/01-3/31----------			----------4/01-7/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	6	0	0.00	2	0	0.00				4	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	13	0	0.00	3	0	0.00	3	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	13	7	0.54	3	2	0.67	3	1	0.33	7	4	0.57			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	1	0	0.00				3	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	12	0	0.00	3	0	0.00	2	0	0.00	7	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	13	0	0.00	3	0	0.00	3	0	0.00	7	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	5	1	0.20	1	0	0.00				4	1	0.25			
		Drinking Water	5000.	5	0	0.00	1	0	0.00				4	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	10	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00			

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

Station Inventory for Station: ALPO0164

NPS Station ID: ALPO0164 LAT/LON: 40.446281/ -78.686503 Agency: 11NPSWRD Date Created: 10/17/98
Location: NORTH BRANCH LITTLE CONEMAUGH RIVER NB-08 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_LC_NB-08
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE NORTH BRANCH OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/01/94-08/01/94	1	27.6	27.6	27.6	27.6	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/01/94-08/01/94	1	455.	455.	455.	455.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/01/94-08/01/94	1	399.	399.	399.	399.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/01/94-08/01/94	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/01/94-08/01/94	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/94-08/01/94	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/01/94-08/01/94	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/01/94-08/01/94	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/94-08/01/94	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/01/94-08/01/94	1	74.	74.	74.	74.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/01/94-08/01/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/01/94-08/01/94	1	33.	33.	33.	33.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/01/94-08/01/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/01/94-08/01/94	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/01/94-08/01/94	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/94-08/01/94	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/01/94-08/01/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/01/94-08/01/94	1	244.	244.	244.	244.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/01/94-08/01/94	1	305.	305.	305.	305.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0164

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	1	1.00	1	1	1.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0165

NPS Station ID: ALPO0165 LAT/LON: 40.310281/ -78.687837 Agency: 11NPSWRD Date Created: 01/31/98
Location: L. CONEMAUGH RIVER ABOVE HIGHLAND WATER GATE FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_JC_SITE_6A
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE-PA CAMBRIA COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE SITE WAS ON THE SOUTH FORK OF THE LITTLE CONEMAUGH RIVER AND WAS OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL. THE DATA WERE COLLECTED UPSTREAM FROM THE HIGHLAND WATER AND SEWER GATE. THE STREAM WAS SAMPLED FOR METALS; NITRATE AND PHOSPHATE SPECIES; AND ACIDITY/ALKALINITY. THE LOCATION WAS SAMPLED FOR PRELIMINARY DATA TO A STUDY THAT SUBSEQUENTLY WAS NOT WRITTEN. FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT JOHNSTOWN FLOOD NATIONAL MEMORIAL; PO BOX 189; CRESSON PA 16630 (TEL. 814-886-6100). DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0165

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/86-07/22/86	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/22/86-07/22/86	1	866.	866.	866.	866.	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	07/22/86-07/22/86	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	07/22/86-07/22/86	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/86-07/22/86	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-07/22/86	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/86-07/22/86	1	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/22/86-07/22/86	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/22/86-07/22/86	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/22/86-07/22/86	1	250.	250.	250.	250.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/22/86-07/22/86	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/22/86-07/22/86	1	520.	520.	520.	520.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/22/86-07/22/86	1	710.	710.	710.	710.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/22/86-07/22/86	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/22/86-07/22/86	1	23.	23.	23.	23.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0165

Parameter				Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 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			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0166

NPS Station ID: ALPO0166 LAT/LON: 40.450199/ -78.688254 Agency: 11NPSWRD Date Created: 10/17/98
Location: NORTH BRANCH LITTLE CONEMAUGH RIVER NB-09 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_LC_NB-09
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE NORTH BRANCH OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0166

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/01/94-08/01/94	1	24.6	24.6	24.6	24.6	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/01/94-08/01/94	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/01/94-08/01/94	1	255.	255.	255.	255.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/01/94-08/01/94	1	235.	235.	235.	235.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/01/94-08/01/94	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/01/94-08/01/94	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/94-08/01/94	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/01/94-08/01/94	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/01/94-08/01/94	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/94-08/01/94	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/01/94-08/01/94	1	92.	92.	92.	92.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/01/94-08/01/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/01/94-08/01/94	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/01/94-08/01/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/01/94-08/01/94	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/01/94-08/01/94	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/94-08/01/94	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/01/94-08/01/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/01/94-08/01/94	1	146.	146.	146.	146.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/01/94-08/01/94	1	171.	171.	171.	171.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0166

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0167

NPS Station ID: ALPO0167 LAT/LON: 40.425559/ -78.688337 Agency: 21PA Date Created: 04/15/95
Location: WILMORE RESERVOIR (N BR LITTLE CONEMAUGH RV) FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/FISH/LAKE/BIO STORET Station ID(s): WQF45971-004.4 /PFBC8-049
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34664	PCB - 1221 WET WGTTISMG/KG	10/20/94-10/20/94	1 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
34667	PCB - 1232 WET WGTTISMG/KG	10/20/94-10/20/94	1 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
34669	PCB - 1248 WET WGTTISMG/KG	10/20/94-10/20/94	1 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
34670	PCB - 1260 WET WGTTISMG/KG	10/20/94-10/20/94	1 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	10/20/94-10/20/94	2 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	10/20/94-10/20/94	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	10/20/94-10/20/94	2 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	10/20/94-10/20/94	2 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
34689	PCB - 1242 WET WGTTISMG/KG	10/20/94-10/20/94	1 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	10/20/94-10/20/94	2	0.009	0.009	0.012	0.005	0.	0.005	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	10/20/94-10/20/94	2	0.047	0.047	0.06	0.033	0.	0.019	**	**	**	**
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	10/20/94-10/20/94	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	10/20/94-10/20/94	2	0.013	0.013	0.013	0.012	0.	0.001	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	10/20/94-10/20/94	2 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39105	PERCENT FAT HEXANE EXTRACTION	10/20/94-10/20/94	2 ##	1.55	1.55	2.6	0.5	2.205	1.485	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	10/20/94-10/20/94	2	0.015	0.015	0.02	0.01	0.	0.007	**	**	**	**
39307	O P DDT IN TISSUE WET WGT (UG/G)	10/20/94-10/20/94	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	10/20/94-10/20/94	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	10/20/94-10/20/94	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39325	O,P DDD IN TISSUE WET WGT (UG/G)	10/20/94-10/20/94	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	10/20/94-10/20/94	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	10/20/94-10/20/94	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	10/20/94-10/20/94	1 ##	0.125	0.125	0.125	0.125	0.	0.	**	**	**	**
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	10/20/94-10/20/94	2 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
46471	CHLORDENE, WET WEIGHT, FISH TISSUE MG/KG	10/20/94-10/20/94	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
70320	MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	10/20/94-10/20/94	1	81.	81.	81.	81.	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/20/94-10/20/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/20/94-10/20/94	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/20/94-10/20/94	1	0.69	0.69	0.69	0.69	0.	0.	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	10/20/94-10/20/94	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/20/94-10/20/94	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
78457	CHLORDENE, ALPHA-, FISH TISSUE, WET WEIGHT, MG/KG	10/20/94-10/20/94	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
78459	CHLORDENE, GAMMA-, FISH TISSUE, WET WEIGHT, MG/KG	10/20/94-10/20/94	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/20/94-10/20/94	2	5.	5.	5.	5.	0.	0.	**	**	**	**
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	10/20/94-10/20/94	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	10/20/94-10/20/94	2 ##	0.009	0.009	0.012	0.005	0.	0.005	**	**	**	**
81822	KEPONE IN FISH TISSUE WET WEIGHT MG/KG	10/20/94-10/20/94	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	10/20/94-10/20/94	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

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

Station Inventory for Station: ALPO0168

NPS Station ID: ALPO0168
LAT/LON: 40.388253/ -78.689143
Agency: 11NPSWRD
Date Created: 10/17/98
Location: KANE RUN KR-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_KR-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT KANE RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/93-06/29/93	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/29/93-06/29/93	1	306.	306.	306.	306.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/29/93-06/29/93	1	131.	131.	131.	131.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/93-06/29/93	1	221.	221.	221.	221.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/29/93-06/29/93	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/29/93-06/29/93	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/93-06/29/93	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/29/93-06/29/93	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/29/93-06/29/93	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/93-06/29/93	1	1.585	1.585	1.585	1.585	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	1	74.	74.	74.	74.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/93-06/29/93	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/29/93-06/29/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/29/93-06/29/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/93-06/29/93	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/93-06/29/93	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/29/93-06/29/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/29/93-06/29/93	1	146.	146.	146.	146.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/29/93-06/29/93	1	88.	88.	88.	88.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0168

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0169

NPS Station ID: ALPO0169
LAT/LON: 40.275226/ -78.688977
Agency: 11NPSWRD
Date Created: 10/17/98
Location: BOTTLE RUN BT-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_BT-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT BOTTLE RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0169

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/93-07/27/93	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/27/93-07/27/93	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/27/93-07/27/93	1	53.	53.	53.	53.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/93-07/27/93	1	52.	52.	52.	52.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/27/93-07/27/93	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/27/93-07/27/93	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/93-07/27/93	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/27/93-07/27/93	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/27/93-07/27/93	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/93-07/27/93	1	1.995	1.995	1.995	1.995	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/93-07/27/93	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/27/93-07/27/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/27/93-07/27/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/27/93-07/27/93	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/27/93-07/27/93	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/27/93-07/27/93	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/27/93-07/27/93	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/27/93-07/27/93	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/27/93-07/27/93	1	106.	106.	106.	106.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/27/93-07/27/93	1	36.	36.	36.	36.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0169

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0170

NPS Station ID: ALPO0170
LAT/LON: 40.392142/ -78.690003
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-50
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_LCR-50
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0170

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/93-05/25/94	2	17.05	17.05	18.7	15.4	5.445	2.333	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/28/93-06/28/93	1	11400.	11400.	11400.	11400.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/28/93-05/25/94	2	498.	498.	679.	317.	65522.	255.973	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/93-05/25/94	2	600.	600.	826.	374.	102152.	319.612	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/28/93-05/25/94	2	4.95	4.95	5.2	4.7	0.125	0.354	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/28/93-05/25/94	2	4.882	4.882	5.2	4.7	0.134	0.367	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/93-05/25/94	2	13.131	13.131	19.953	6.31	93.066	9.647	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/28/93-05/25/94	2	4.55	4.55	4.9	4.2	0.245	0.495	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/28/93-05/25/94	2	4.422	4.422	4.9	4.2	0.278	0.527	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/93-05/25/94	2	37.842	37.842	63.096	12.589	1275.452	35.713	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/93-05/25/94	2	5.	5.	7.	3.	8.	2.828	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/28/93-05/25/94	2	30.5	30.5	46.	15.	480.5	21.92	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/28/93-05/25/94	2	295.	295.	426.	164.	34322.	185.262	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/28/93-05/25/94	2	10.5	10.5	15.	6.	40.5	6.364	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/28/93-05/25/94	2	8.5	8.5	13.	4.	40.5	6.364	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/28/93-05/25/94	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/28/93-05/25/94	2	1.4	1.4	2.	0.8	0.72	0.849	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/28/93-05/25/94	2	5.	5.	7.	3.	8.	2.828	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/28/93-05/25/94	2	352.35	352.35	452.7	252.	20140.245	141.916	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/28/93-05/25/94	2	333.5	333.5	455.	212.	29524.5	171.827	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0170

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0171

NPS Station ID: ALPO0171
LAT/LON: 40.391615/ -78.690865
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TROUT RUN TR-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_TR-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT TROUT RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/93-05/23/95	4	14.9	12.975	16.6	5.5	25.503	5.05	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/28/93-05/23/95	4	6783.5	6446.5	8619.	3600.	4695899.	2167.002	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/28/93-05/23/95	4	550.	614.5	868.	490.	31027.667	176.147	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/93-05/23/95	4	692.5	737.75	974.	592.	30652.25	175.078	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/28/93-05/23/95	4	4.65	4.7	4.9	4.6	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/28/93-05/23/95	4	4.647	4.684	4.9	4.6	0.02	0.143	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/93-05/23/95	4	22.536	20.695	25.119	12.589	35.132	5.927	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/28/93-05/23/95	4	4.7	4.725	5.4	4.1	0.289	0.538	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/28/93-05/23/95	4	4.689	4.507	5.4	4.1	0.352	0.594	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/93-05/23/95	4	20.484	31.095	79.433	3.981	1113.289	33.366	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/93-05/23/95	4	2.5	2.75	5.	1.	2.917	1.708	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/28/93-05/23/95	4	67.	64.	84.	38.	418.667	20.461	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/28/93-05/23/95	4	370.5	405.	638.	241.	28323.333	168.295	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/28/93-05/23/95	4	12.	13.5	21.	9.	27.667	5.26	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/28/93-05/23/95	4	11.	12.5	19.	9.	22.333	4.726	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/28/93-05/23/95	4	2.35	2.7	3.9	2.2	0.66	0.812	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/28/93-05/23/95	4	2.35	2.675	3.9	2.1	0.696	0.834	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/28/93-05/23/95	4	5.5	6.25	9.	5.	3.583	1.893	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/28/93-05/23/95	4	637.	667.5	892.	504.	37425.	193.455	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/28/93-05/23/95	4	368.5	411.75	582.	328.	13994.917	118.3	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0171

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00				1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				1	1	1.00	3	3	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00				1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				1	1	1.00	3	3	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	3	0.75				1	0	0.00	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: ALPO0172

NPS Station ID: ALPO0172
LAT/LON: 40.391698/ -78.691587
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-51
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_LCR-51
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/93-05/25/94	2	16.65	16.65	17.5	15.8	1.445	1.202	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/28/93-06/28/93	1	14997.	14997.	14997.	14997.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/28/93-05/25/94	2	503.5	503.5	647.	360.	41184.5	202.94	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/93-05/25/94	2	653.5	653.5	879.	428.	101700.5	318.905	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/28/93-05/25/94	2	4.8	4.8	5.	4.6	0.08	0.283	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/28/93-05/25/94	2	4.755	4.755	5.	4.6	0.084	0.29	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/93-05/25/94	2	17.559	17.559	25.119	10.	114.29	10.691	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/28/93-05/25/94	2	4.4	4.4	4.7	4.1	0.18	0.424	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/28/93-05/25/94	2	4.304	4.304	4.7	4.1	0.199	0.446	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/93-05/25/94	2	49.693	49.693	79.433	19.953	1768.947	42.059	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/93-05/25/94	2	4.	4.	5.	3.	2.	1.414	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/28/93-05/25/94	2	39.	39.	58.	20.	722.	26.87	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/28/93-05/25/94	2	333.	333.	473.	193.	39200.	197.99	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/28/93-05/25/94	2	12.	12.	17.	7.	50.	7.071	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/28/93-05/25/94	2	10.	10.	15.	5.	50.	7.071	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/28/93-05/25/94	2	1.9	1.9	2.6	1.2	0.98	0.99	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/28/93-05/25/94	2	1.85	1.85	2.6	1.1	1.125	1.061	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/28/93-05/25/94	2	6.	6.	8.	4.	8.	2.828	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/28/93-05/25/94	2	373.65	373.65	431.3	316.	6647.045	81.529	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/28/93-05/25/94	2	337.5	337.5	434.	241.	18624.5	136.472	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0172

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0173

NPS Station ID: ALPO0173 LAT/LON: 40.318337/ -78.692588 Agency: 11NPSWRD Date Created: 10/17/98
Location: SOUTH FORK LITTLE CONEMAUGH RIVER SF-16 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE STORET Station ID(s): JOFL_LC_SF-16
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE SOUTH FORK OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/93-10/19/94	3	10.5	10.7	11.6	10.	0.67	0.819	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/28/93-10/19/94	3	561.	583.667	820.	370.	51010.333	225.855	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/93-10/19/94	3	887.	912.333	1000.	850.	6106.333	78.143	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/93-10/19/94	3	1125.	1122.667	1135.	1108.	186.333	13.65	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/28/93-10/19/94	3	4.4	3.267	4.7	0.7	4.963	2.228	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/28/93-10/19/94	3	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/28/93-10/19/94	3	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/93-10/19/94	3	630.957	630.957	630.957	630.957	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/28/93-10/19/94	3	2.8	2.933	4.	2.	1.013	1.007	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/28/93-10/19/94	3	2.8	2.409	4.	2.	1.425	1.194	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/93-10/19/94	3	1584.893	3894.964	10000.	100.	28504821.729	5338.991	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/93-10/19/94	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/93-10/19/94	3	164.	160.	174.	142.	268.	16.371	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/93-10/19/94	3	757.	849.	1172.	618.	83077.	288.231	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/93-10/19/94	3	3.	3.	3.	3.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/93-10/19/94	3	3.	3.	3.	3.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	07/28/93-06/07/94	2	0.4	0.4	0.5	0.3	0.02	0.141	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/93-10/19/94	3	3.5	3.533	3.6	3.5	0.003	0.058	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/93-10/19/94	3	3.5	3.533	3.6	3.5	0.003	0.058	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/93-10/19/94	2	14.5	14.5	15.	14.	0.5	0.707	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/93-10/19/94	3	1070.	1625.333	2892.	914.	1209417.333	1099.735	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/93-10/19/94	3	594.	610.333	670.	567.	2852.333	53.407	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: ALPO0173

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	1	0.33	1	0	0.00				2	1	0.50			
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00				2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00				2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	3	1.00	1	1	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: ALPO0174

NPS Station ID: ALPO0174 LAT/LON: 40.321198/ -78.693366 Agency: 11NPSWRD Date Created: 10/17/98
Location: SOUTH FORK LITTLE CONEMAUGH RIVER SF-21 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE STORET Station ID(s): JOFL_LC_SF-21
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE SOUTH FORK OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0174

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/93-12/15/94	3	11.	10.233	11.3	8.4	2.543	1.595	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/28/93-12/15/94	3	422.	455.667	689.	256.	47722.333	218.454	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/93-12/15/94	3	802.	830.667	1000.	690.	24641.333	156.976	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/93-12/15/94	3	934.	925.	961.	880.	1701.	41.243	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/28/93-12/15/94	3	0.5	0.433	0.6	0.2	0.043	0.208	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/28/93-12/15/94	3	4.4	4.467	4.6	4.4	0.013	0.115	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/28/93-12/15/94	3	4.4	4.457	4.6	4.4	0.013	0.116	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/93-12/15/94	3	39.811	34.913	39.811	25.119	71.95	8.482	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/28/93-12/15/94	3	5.	4.533	5.	3.6	0.653	0.808	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/28/93-12/15/94	3	5.	4.044	5.	3.6	1.013	1.006	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/93-12/15/94	3	10.	90.396	251.189	10.	19390.654	139.25	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/93-12/15/94	3	0.	0.2	0.6	0.	0.12	0.346	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/93-12/15/94	3	86.	90.667	106.	80.	185.333	13.614	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/93-12/15/94	3	591.	601.333	661.	552.	3050.333	55.23	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/93-12/15/94	3	24.	24.667	27.	23.	4.333	2.082	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/93-12/15/94	3	24.	24.667	27.	23.	4.333	2.082	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	07/28/93-06/06/94	2	23.	23.	26.	20.	18.	4.243	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/93-12/15/94	3	5.3	5.3	5.5	5.1	0.04	0.2	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/93-12/15/94	3	5.3	5.3	5.5	5.1	0.04	0.2	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/93-12/15/94	3	4.	4.	5.	3.	1.	1.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/93-12/15/94	3	858.	833.333	890.	752.	5217.333	72.231	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/93-12/15/94	3	537.	554.667	667.	460.	10946.333	104.625	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0174

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	3	1.00				1	1	1.00	2	2	1.00			
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				1	1	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				1	1	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	3	1.00				1	1	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: ALPO0175

NPS Station ID: ALPO0175
LAT/LON: 40.390142/ -78.694726
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-57
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-57
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0175

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00058	FLOW, RATE GALLONS/MIN	08/01/94-08/01/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/01/94-08/01/94	1	1430.	1430.	1430.	1430.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/01/94-08/01/94	1	730.	730.	730.	730.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/01/94-08/01/94	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/01/94-08/01/94	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/94-08/01/94	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/01/94-08/01/94	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/01/94-08/01/94	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/94-08/01/94	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/01/94-08/01/94	1	136.	136.	136.	136.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/01/94-08/01/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/01/94-08/01/94	1	262.	262.	262.	262.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/01/94-08/01/94	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/01/94-08/01/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/01/94-08/01/94	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/94-08/01/94	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/01/94-08/01/94	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/01/94-08/01/94	1	612.	612.	612.	612.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/01/94-08/01/94	1	958.	958.	958.	958.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0175

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0176

NPS Station ID: ALPO0176 LAT/LON: 40.318892/ -78.695948 Agency: 11NPSWRD Date Created: 10/17/98
Location: SOUTH FORK LITTLE CONEMAUGH RIVER SF-25 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE STORET Station ID(s): JOFL_LC_SF-25
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE SOUTH FORK OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0176

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/93-05/16/95	4	11.8	11.625	11.9	11.	0.176	0.419	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/28/93-05/16/95	4	423.	408.75	593.	196.	32941.583	181.498	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/93-05/16/95	4	1578.	1689.	2100.	1500.	76750.667	277.039	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/93-05/16/95	4	2221.	2194.5	2404.	1932.	43347.667	208.201	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/28/93-05/16/95	4	5.8	6.8	10.4	5.2	5.84	2.417	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/28/93-05/16/95	4	2.8	2.775	2.8	2.7	0.002	0.05	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/28/93-05/16/95	4	2.8	2.773	2.8	2.7	0.003	0.05	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/93-05/16/95	4	1584.893	1687.485	1995.262	1584.893	42100.704	205.185	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/28/93-05/16/95	4	2.95	2.75	3.3	1.8	0.43	0.656	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/28/93-05/16/95	4	2.947	2.332	3.3	1.8	0.663	0.814	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/93-05/16/95	4	1129.463	4652.261	15848.932	501.187	55816863.345	7471.068	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/93-05/16/95	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/93-05/16/95	4	628.	619.5	720.	502.	8539.667	92.41	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/93-05/16/95	4	1465.5	1528.75	2074.	1110.	162576.917	403.208	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/93-05/16/95	4	50.	49.75	58.	41.	72.25	8.5	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/93-05/16/95	4	49.5	49.5	58.	41.	68.333	8.266	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	07/28/93-06/07/94	2	3.	3.	4.	2.	2.	1.414	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/93-05/16/95	4	19.25	19.525	20.9	18.7	1.042	1.021	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/93-05/16/95	4	19.15	19.4	20.8	18.5	1.167	1.08	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/93-05/16/95	4	48.	48.	55.	41.	56.667	7.528	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/93-05/16/95	4	2356.	2370.5	2892.	1878.	173182.333	416.152	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/93-05/16/95	4	1057.5	1130.5	1407.	1000.	34853.667	186.691	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: ALPO0176

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00				3	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00				3	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00				3	3	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	1	0	0.00				3	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00				3	3	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00	1	1	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: ALPO0177

NPS Station ID: ALPO0177 | LAT/LON: 40.321865/ -78.696087 | Agency: 11NPSWRD | Date Created: 01/31/98
Location: BEAVERDAM RUN AT BEAVERDALE | FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): JOFL_JC_SITE_5
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 05010007 | Depth of Water: 0 | Aquifer:
Major Basin: OHIO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: ALLEGHENY RIVER | ECO Region:
RF1 Index: 05010007 | RF1 Mile Point: 0.000 | Distance from RF1: 18.20 | On/Off RF1:
RF3 Index: 02050303019600.00 | RF3 Mile Point: 1.33 | Distance from RF3: 0.38 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE-PA CAMBRIA COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE SITE WAS ON A TRIBUTARY TO THE SOUTH FORK LITTLE CONEMAUGH RIVER AND OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL. THE DATA WERE COLLECTED FROM BEAVERDAM RUN NEAR THE SOUTH FORK LITTLE CONEMAUGH RIVER IN BEAVERDALE. THE STREAM WAS SAMPLED FOR METALS; NITRATE AND PHOSPHATE SPECIES; ACIDITY/ALKALINITY. THE LOCATION WAS SAMPLED FOR PRELIMINARY DATA TO A STUDY THAT SUBSEQUENTLY WAS NOT WRITTEN. THE DATA IS ON FILE AT PARK HEADQUARTERS. FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT JOHNSTOWN FLOOD NATIONAL MEMORIAL; PO BOX 189; CRESSON PA 16630 (TEL. 814-886-6100). DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/86-07/07/87	12	15.75	14.192	21.	0.	36.295	6.025	2.7	10.25	18.75	20.7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/07/86-07/07/87	12	109.5	111.75	203.	44.	2470.205	49.701	48.2	75.	143.5	197.9
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/86-07/07/87	6	9.5	9.317	10.2	8.2	0.578	0.76	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/22/86-07/07/87	6	95.75	97.283	106.	88.	40.802	6.388	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/07/87-07/07/87	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/07/87-07/07/87	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/07/87-07/07/87	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/07/86-07/07/87	13	6.38	6.312	6.98	4.8	0.39	0.625	5.04	6.13	6.825	6.968
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/07/86-07/07/87	13	6.38	5.736	6.98	4.8	0.751	0.866	5.04	6.13	6.825	6.968
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/07/86-07/07/87	13	0.417	1.837	15.849	0.105	18.771	4.333	0.108	0.152	0.751	11.102
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	05/29/86-07/07/87	12	17.	20.083	84.	1.	477.356	21.848	1.3	6.5	23.75	66.9
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	05/29/86-07/07/87	12	5.5	4.75	8.	1.	6.205	2.491	1.	2.25	7.	7.7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/07/86-07/07/87	12	0.085	0.108	0.28	0.	0.009	0.092	0.007	0.046	0.169	0.278
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/29/86-08/18/86	4 ##	0.025	0.05	0.125	0.025	0.003	0.05	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/07/86-07/07/87	12	0.435	0.419	0.56	0.1	0.014	0.117	0.178	0.39	0.49	0.554
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/23/86-07/07/87	7	31.	32.571	47.	16.	132.286	11.502	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/29/86-07/07/87	11	11.4	9.245	13.	2.7	13.485	3.672	3.26	5.6	12.	13.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/23/86-07/07/87	7	2.	2.114	4.	0.4	1.578	1.256	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/07/86-07/07/87	13	26.	28.308	72.	14.	260.397	16.137	14.	15.	31.5	62.
01045	IRON, TOTAL (UG/L AS FE)	05/07/86-07/07/87	12	376.	430.75	957.	226.	41556.75	203.855	230.2	286.	538.25	849.9
01055	MANGANESE, TOTAL (UG/L AS MN)	05/29/86-07/07/87	12	125.	144.3	322.	19.5	6863.636	82.847	34.14	78.475	192.625	292.6
01092	ZINC, TOTAL (UG/L AS ZN)	05/07/86-08/18/86	5	14.	17.2	28.	10.	52.7	7.259	**	**	**	**

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

Parameter Inventory for Station: ALPO0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/07/86-07/07/87	13	412.	489.077	1230.	190.	69253.744	263.161	224.4	324.5	591.5	1015.6
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/07/86-07/07/87	12	0.022	0.038	0.114	0.003	0.001	0.035	0.005	0.01	0.065	0.103
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	05/07/86-07/07/87	12	-2.5	-2.05	10.	-12.	49.339	7.024	1.18	4.	-5.75	-12.
81319	COD, FIELD MG/L	07/22/86-08/18/86	2	3.3	3.3	3.5	3.1	0.08	0.283	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/29/86-06/02/87	10	5.75	5.61	10.5	1.	10.554	3.249	1.	3.25	9.	10.35

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

EPA Water Quality Criteria Analysis for Station: ALPO0177

				Total	Exceed	Prop.	----------8/01-10/31----------			----------11/01-3/31----------			----------4/01-7/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	6	0	0.00	2	0	0.00				4	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	13	0	0.00	3	0	0.00	3	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	13	7	0.54	3	3	1.00	3	1	0.33	7	3	0.43			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	1	0	0.00				3	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	12	0	0.00	3	0	0.00	2	0	0.00	7	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	13	0	0.00	3	0	0.00	3	0	0.00	7	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	1	0	0.00				4	0	0.00			
		Drinking Water	5000.	5	0	0.00	1	0	0.00				4	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	10	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00			

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

Station Inventory for Station: ALPO0178

NPS Station ID: ALPO0178 LAT/LON: 40.321281/ -78.696477 Agency: 11NPSWRD Date Created: 01/31/98
Location: S FORK LITTLE CONEMAUGH ABOVE BEAVER DAM RUN FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_JC_SITE_5A
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE-PA CAMBRIA COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE SITE WAS ON THE SOUTH FORK LITTLE CONEMAUGH RIVER AND WAS OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL. THE DATA WERE COLLECTED UPSTREAM OF THE CONFLUENCE WITH BEAVERDAM RUN. THE STREAM WAS SAMPLED FOR METALS; NITRATE AND PHOSPHATE SPECIES; ACIDITY/ALKALINITY. THE LOCATION WAS SAMPLED FOR PRELIMINARY DATA TO A STUDY THAT SUBSEQUENTLY WAS NOT WRITTEN. THE DATA IS ON FILE AT PARK HEADQUARTERS. FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT JOHNSTOWN FLOOD NATIONAL MEMORIAL; PO BOX 189; CRESSON PA 16630 (TEL. 814-886-6100). DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0178

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/86-07/07/87	6	13.	13.333	19.2	9.	14.523	3.811	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/25/86-07/07/87	6	484.	448.833	696.	90.	59127.367	243.161	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/21/86-07/07/87	4	10.6	10.475	11.4	9.3	0.996	0.998	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	05/05/87-07/07/87	3	101.	101.667	104.	100.	4.333	2.082	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/07/87-07/07/87	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/07/87-07/07/87	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/07/87-07/07/87	1	12.589	12.589	12.589	12.589	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/25/86-07/07/87	6	3.665	3.732	4.37	3.15	0.223	0.472	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/25/86-07/07/87	6	3.604	3.547	4.37	3.15	0.264	0.514	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/86-07/07/87	6	248.714	284.013	707.946	42.658	64642.398	254.249	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	11/18/86-07/07/87	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	06/25/86-07/07/87	5	84.	62.	99.	15.	1681.5	41.006	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/86-07/07/87	6	0.084	0.088	0.125	0.06	0.001	0.023	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/25/86-06/25/86	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/86-07/07/87	6	0.494	0.502	0.92	0.1	0.07	0.265	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/21/86-07/07/87	4	141.	149.25	290.	25.	15645.583	125.082	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/25/86-07/07/87	5	39.3	32.42	60.	3.4	480.082	21.911	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/21/86-07/07/87	4	9.35	12.85	32.	0.7	213.697	14.618	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/86-07/07/87	6	126.5	128.667	233.	27.	8315.467	91.189	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/25/86-07/07/87	5	6120.	4762.6	7020.	887.	6553772.8	2560.034	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/25/86-07/07/87	6	2180.	2022.	3320.	457.	1064188.4	1031.595	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/25/86-06/25/86	1	430.	430.	430.	430.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/25/86-07/07/87	6	7855.	6597.167	10220.	1410.	14438177.767	3799.76	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/25/86-07/07/87	6	0.003	0.01	0.038	0.	0.	0.015	**	**	**	**

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

Parameter Inventory for Station: ALPO0178

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	06/25/86-07/07/87	6	66.	60.333	104.	1.	1918.667	43.803	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/18/86-07/07/87	4	5.35	28.175	100.	2.	2298.989	47.948	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0178

				Total	Exceed	Prop.	----------8/01-10/31----------			----------11/01-3/31----------			----------4/01-7/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00				3	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	6	0	0.00	1	0	0.00	1	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	6	6	1.00	1	1	1.00	1	1	1.00	4	4	1.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	6	0	0.00	1	0	0.00	1	0	0.00	4	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	1	0	0.00	1	0	0.00	4	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			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	4	1	0.25				1	0	0.00	3	1	0.33			

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

Station Inventory for Station: ALPO0179

NPS Station ID: ALPO0179
LAT/LON: 40.321615/ -78.696421
Agency: 11NPSWRD
Date Created: 10/17/98
Location: BEAVERDAM RUN BDR-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_BDR-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT BEAVERDAM RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0179

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/93-07/12/93	1	21.3	21.3	21.3	21.3	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/12/93-07/12/93	1	1029.	1029.	1029.	1029.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/12/93-07/12/93	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/12/93-07/12/93	1	111.	111.	111.	111.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/12/93-07/12/93	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/12/93-07/12/93	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/12/93-07/12/93	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/12/93-07/12/93	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/12/93-07/12/93	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/12/93-07/12/93	1	1.995	1.995	1.995	1.995	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/93-07/12/93	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/12/93-07/12/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/12/93-07/12/93	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/12/93-07/12/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/12/93-07/12/93	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/12/93-07/12/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/12/93-07/12/93	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/12/93-07/12/93	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/12/93-07/12/93	1	142.	142.	142.	142.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/12/93-07/12/93	1	54.	54.	54.	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

EPA Water Quality Criteria Analysis for Station: ALPO0179

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0180

NPS Station ID: ALPO0180
LAT/LON: 40.264171/ -78.708087
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SULFUR CREEK SC-16
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_SC-16
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG SULFUR CREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0180

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/05/93-08/05/93	1	20.2	20.2	20.2	20.2	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/05/93-08/05/93	1	4200.	4200.	4200.	4200.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/05/93-08/05/93	1	4686.	4686.	4686.	4686.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/05/93-08/05/93	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/05/93-08/05/93	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/05/93-08/05/93	1	794.328	794.328	794.328	794.328	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/05/93-08/05/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/05/93-08/05/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/05/93-08/05/93	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/05/93-08/05/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/05/93-08/05/93	1	2320.	2320.	2320.	2320.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/05/93-08/05/93	1	5540.	5540.	5540.	5540.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/05/93-08/05/93	1	243.	243.	243.	243.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/05/93-08/05/93	1	239.	239.	239.	239.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/05/93-08/05/93	1	113.	113.	113.	113.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/05/93-08/05/93	1	109.	109.	109.	109.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/05/93-08/05/93	1	240.	240.	240.	240.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/05/93-08/05/93	1	8110.	8110.	8110.	8110.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/05/93-08/05/93	1	2800.	2800.	2800.	2800.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0180

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0181

NPS Station ID: ALPO0181
LAT/LON: 40.265754/ -78.708421
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SULFUR CREEK SC-18
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_SC-18
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG SULFUR CREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0181

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/12/93-06/06/94	2	13.15	13.15	13.7	12.6	0.605	0.778	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/12/93-06/06/94	2	12.5	12.5	17.	8.	40.5	6.364	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/12/93-06/06/94	2	1451.	1451.	1883.	1019.	373248.	610.94	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/93-06/06/94	2	1928.5	1928.5	2557.	1300.	790024.5	888.833	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/12/93-06/06/94	2	3.25	3.25	3.4	3.1	0.045	0.212	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/12/93-06/06/94	2	3.225	3.225	3.4	3.1	0.046	0.215	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/93-06/06/94	2	596.218	596.218	794.328	398.107	78495.566	280.171	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/12/93-06/06/94	2	3.05	3.05	3.3	2.8	0.125	0.354	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/12/93-06/06/94	2	2.982	2.982	3.3	2.8	0.134	0.367	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/93-06/06/94	2	1043.04	1043.04	1584.893	501.187	587209.303	766.296	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/93-06/06/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/12/93-06/06/94	2	599.	599.	906.	292.	188498.	434.164	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/12/93-06/06/94	2	1775.	1775.	2500.	1050.	1051250.	1025.305	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/12/93-06/06/94	2	32.	32.	60.	4.	1568.	39.598	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/12/93-06/06/94	2	31.5	31.5	59.	4.	1512.5	38.891	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/06/94-06/06/94	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/93-06/06/94	2	35.65	35.65	51.	20.3	471.245	21.708	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/12/93-06/06/94	2	34.9	34.9	49.7	20.1	438.08	20.93	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/12/93-06/06/94	2	71.	71.	96.	46.	1250.	35.355	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/12/93-06/06/94	2	2761.	2761.	3912.	1610.	2649602.	1627.76	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/12/93-06/06/94	2	970.5	970.5	1262.	679.	169944.5	412.243	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0181

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00	1	1	1.00				1	1	1.00			

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

Station Inventory for Station: ALPO0182

NPS Station ID: ALPO0182
LAT/LON: 40.265115/ -78.708670
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SULFUR CREEK SC-20
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_SC-20
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG SULFUR CREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/12/93-06/06/94	2	19.55	19.55	21.5	17.6	7.605	2.758	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/12/93-08/12/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/12/93-06/06/94	2	3565.	3565.	4830.	2300.	3200450.	1788.98	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/93-06/06/94	2	4096.	4096.	5436.	2756.	3591200.	1895.046	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/12/93-06/06/94	2	6.75	6.75	10.4	3.1	26.645	5.162	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/12/93-06/06/94	2	3.401	3.401	10.4	3.1	49.076	7.005	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/93-06/06/94	2	397.164	397.164	794.328	0.	315478.641	561.675	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/12/93-06/06/94	2	6.75	6.75	10.6	2.9	29.645	5.445	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/12/93-06/06/94	2	3.201	3.201	10.6	2.9	54.835	7.405	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/93-06/06/94	2	629.463	629.463	1258.925	0.	792446.565	890.195	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/93-06/06/94	2	22.	22.	44.	0.	968.	31.113	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/12/93-06/06/94	2	1570.	1570.	3140.	0.	4929800.	2220.315	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/12/93-06/06/94	2	4175.	4175.	6590.	1760.	11664450.	3415.326	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/12/93-06/06/94	2	100.55	100.55	201.	0.1	20180.405	142.058	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/12/93-06/06/94	2	100.01	100.01	200.	0.02	19996.	141.407	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/93-06/06/94	2	77.01	77.01	154.	0.02	11854.92	108.88	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/12/93-06/06/94	2	76.525	76.525	153.	0.05	11696.851	108.152	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/12/93-06/06/94	2	187.4	187.4	374.	0.8	69639.12	263.892	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/12/93-06/06/94	2	6835.	6835.	11076.	2594.	35972162.	5997.68	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/12/93-06/06/94	2	2384.5	2384.5	3236.	1533.	1450104.5	1204.203	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0182

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	1	0.50	1	1	1.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	1	0.50	1	0	0.00				1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	1	0.50	1	1	1.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	1	0.50	1	0	0.00				1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00	1	1	1.00				1	1	1.00			

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

Station Inventory for Station: ALPO0183

NPS Station ID: ALPO0183
LAT/LON: 40.265754/ -78.708781
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SULFUR CREEK SC-17
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_SC-17
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG SULFUR CREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0183

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/12/93-06/05/94	2	17.1	17.1	17.4	16.8	0.18	0.424	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/12/93-06/05/94	2	4.	4.	6.	2.	8.	2.828	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/12/93-06/05/94	2	2747.	2747.	4400.	1094.	5464818.	2337.695	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/93-06/05/94	2	3216.	3216.	5104.	1328.	7129088.	2670.035	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/12/93-06/05/94	2	3.25	3.25	3.4	3.1	0.045	0.212	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/12/93-06/05/94	2	3.225	3.225	3.4	3.1	0.046	0.215	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/93-06/05/94	2	596.218	596.218	794.328	398.107	78495.566	280.171	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/12/93-06/05/94	2	3.15	3.15	3.5	2.8	0.245	0.495	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/12/93-06/05/94	2	3.022	3.022	3.5	2.8	0.278	0.527	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/93-06/05/94	2	950.56	950.56	1584.893	316.228	804755.982	897.082	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/93-06/05/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/12/93-06/05/94	2	1535.	1535.	2726.	344.	2836962.	1684.328	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/12/93-06/05/94	2	3690.	3690.	6330.	1050.	13939200.	3733.524	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/12/93-06/05/94	2	74.	74.	135.	13.	7442.	86.267	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/12/93-06/05/94	2	65.5	65.5	120.	11.	5940.5	77.075	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/05/94-06/05/94	1	116.	116.	116.	116.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/93-06/05/94	2	82.2	82.2	145.	19.4	7887.68	88.813	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/12/93-06/05/94	2	81.65	81.65	144.	19.3	7775.045	88.176	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/12/93-06/05/94	2	200.	200.	352.	48.	46208.	214.96	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/12/93-06/05/94	2	5813.	5813.	10044.	1582.	35802722.	5983.538	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/12/93-06/05/94	2	1838.5	1838.5	2948.	729.	2461980.5	1569.07	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0183

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00	1	1	1.00				1	1	1.00			

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

Station Inventory for Station: ALPO0184

NPS Station ID: ALPO0184
LAT/LON: 40.265032/ -78.709365
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SULFUR CREEK SC-19
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_SC-19
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG SULFUR CREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/12/93-08/12/93	1	20.6	20.6	20.6	20.6	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/12/93-08/12/93	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/12/93-08/12/93	1	217.	217.	217.	217.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/93-08/12/93	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/12/93-08/12/93	1	10.1	10.1	10.1	10.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/12/93-08/12/93	1	10.1	10.1	10.1	10.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/93-08/12/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/12/93-08/12/93	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/12/93-08/12/93	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/93-08/12/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/93-08/12/93	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/12/93-08/12/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/12/93-08/12/93	1	65.	65.	65.	65.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/12/93-08/12/93	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/12/93-08/12/93	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/93-08/12/93	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/12/93-08/12/93	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/12/93-08/12/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/12/93-08/12/93	1	150.	150.	150.	150.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/12/93-08/12/93	1	145.	145.	145.	145.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0184

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	1	1.00	1	1	1.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	1	1.00	1	1	1.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0185

NPS Station ID: ALPO0185
LAT/LON: 40.265616/ -78.709504
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SULFUR CREEK SC-21
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_SC-21
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG SULFUR CREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/12/93-08/12/93	1	19.4	19.4	19.4	19.4	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/12/93-08/12/93	1	3900.	3900.	3900.	3900.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/93-08/12/93	1	5012.	5012.	5012.	5012.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/12/93-08/12/93	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/12/93-08/12/93	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/93-08/12/93	1	794.328	794.328	794.328	794.328	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/12/93-08/12/93	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/12/93-08/12/93	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/93-08/12/93	1	3981.072	3981.072	3981.072	3981.072	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/93-08/12/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/12/93-08/12/93	1	2160.	2160.	2160.	2160.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/12/93-08/12/93	1	7990.	7990.	7990.	7990.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/12/93-08/12/93	1	158.	158.	158.	158.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/12/93-08/12/93	1	137.	137.	137.	137.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/93-08/12/93	1	94.7	94.7	94.7	94.7	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/12/93-08/12/93	1	92.8	92.8	92.8	92.8	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/12/93-08/12/93	1	259.	259.	259.	259.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/12/93-08/12/93	1	9556.	9556.	9556.	9556.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/12/93-08/12/93	1	2600.	2600.	2600.	2600.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0185

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0186

NPS Station ID: ALPO0186 LAT/LON: 40.324837/ -78.709921 Agency: 11NPSWRD Date Created: 10/17/98
Location: SOUTH FORK LITTLE CONEMAUGH RIVER SF-28 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE STORET Station ID(s): JOFL_LC_SF-28
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE SOUTH FORK OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/07/94-04/11/95	2	11.	11.	12.	10.	2.	1.414	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/07/94-04/11/95	2	57.	57.	65.	49.	128.	11.314	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/07/94-04/11/95	2	442.	442.	450.	434.	128.	11.314	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/07/94-04/11/95	2	452.5	452.5	517.	388.	8320.5	91.217	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/07/94-04/11/95	2	0.55	0.55	0.6	0.5	0.005	0.071	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/07/94-04/11/95	2	6.4	6.4	6.5	6.3	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/07/94-04/11/95	2	6.389	6.389	6.5	6.3	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/94-04/11/95	2	0.409	0.409	0.501	0.316	0.017	0.131	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/07/94-04/11/95	2	5.9	5.9	6.5	5.3	0.72	0.849	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/07/94-04/11/95	2	5.574	5.574	6.5	5.3	0.932	0.965	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/07/94-04/11/95	2	2.664	2.664	5.012	0.316	11.025	3.32	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/07/94-04/11/95	2	109.	109.	112.	106.	18.	4.243	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/07/94-04/11/95	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/07/94-04/11/95	2	138.5	138.5	140.	137.	4.5	2.121	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/11/95-04/11/95	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	04/11/95-04/11/95	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/11/95-04/11/95	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/11/95-04/11/95	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/11/95-04/11/95	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/07/94-04/11/95	2	392.	392.	396.	388.	32.	5.657	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/07/94-04/11/95	2	295.5	295.5	300.	291.	40.5	6.364	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0186

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	2	1.00							2	2	1.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: ALPO0187

NPS Station ID: ALPO0187
LAT/LON: 40.265170/ -78.710198
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SULFUR CREEK SC-23
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_SC-23
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT SULFUR CREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/12/93-08/12/93	1	16.6	16.6	16.6	16.6	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/12/93-08/12/93	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/12/93-08/12/93	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/93-08/12/93	1	94.	94.	94.	94.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/12/93-08/12/93	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/12/93-08/12/93	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/93-08/12/93	1	125.893	125.893	125.893	125.893	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/12/93-08/12/93	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/12/93-08/12/93	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/93-08/12/93	1	398.107	398.107	398.107	398.107	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/93-08/12/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/12/93-08/12/93	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/12/93-08/12/93	1	33.	33.	33.	33.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/12/93-08/12/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/12/93-08/12/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/93-08/12/93	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/12/93-08/12/93	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/12/93-08/12/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/12/93-08/12/93	1	72.	72.	72.	72.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/12/93-08/12/93	1	52.	52.	52.	52.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0187

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0188

NPS Station ID: ALPO0188
LAT/LON: 40.265699/ -78.710254
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SULFUR CREEK SC-22
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_SC-22
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT SULFUR CREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0188

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/12/93-08/12/93	1	17.7	17.7	17.7	17.7	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/12/93-08/12/93	1	65.	65.	65.	65.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/12/93-08/12/93	1	467.	467.	467.	467.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/12/93-08/12/93	1	536.	536.	536.	536.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/12/93-08/12/93	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/12/93-08/12/93	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/93-08/12/93	1	251.189	251.189	251.189	251.189	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/12/93-08/12/93	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/12/93-08/12/93	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/93-08/12/93	1	501.187	501.187	501.187	501.187	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/12/93-08/12/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/12/93-08/12/93	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/12/93-08/12/93	1	456.	456.	456.	456.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/12/93-08/12/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/12/93-08/12/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/12/93-08/12/93	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/12/93-08/12/93	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/12/93-08/12/93	1	14.	14.	14.	14.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/12/93-08/12/93	1	494.	494.	494.	494.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/12/93-08/12/93	1	311.	311.	311.	311.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0188

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0189

NPS Station ID: ALPO0189
LAT/LON: 40.266920/ -78.710698
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SULFUR CREEK SC-15
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_SC-15
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT SULFUR CREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0189

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/93-06/05/94	2	17.9	17.9	18.1	17.7	0.08	0.283	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/15/93-06/05/94	2	584.5	584.5	1116.	53.	564984.5	751.655	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/15/93-06/05/94	2	4270.	4270.	4640.	3900.	273800.	523.259	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/93-06/05/94	2	4774.	4774.	5361.	4187.	689138.	830.143	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/93-06/05/94	2	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/93-06/05/94	2	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/93-06/05/94	2	794.328	794.328	794.328	794.328	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/15/93-06/05/94	2	3.65	3.65	4.1	3.2	0.405	0.636	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/15/93-06/05/94	2	3.45	3.45	4.1	3.2	0.485	0.697	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/93-06/05/94	2	355.195	355.195	630.957	79.433	152089.649	389.987	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/93-06/05/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/15/93-06/05/94	2	2479.	2479.	3038.	1920.	624962.	790.545	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/93-06/05/94	2	6195.	6195.	6730.	5660.	572450.	756.604	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/15/93-06/05/94	2	139.5	139.5	188.	91.	4704.5	68.589	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/15/93-06/05/94	2	133.	133.	177.	89.	3872.	62.225	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/93-06/05/94	2	125.8	125.8	158.	93.6	2073.68	45.538	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/15/93-06/05/94	2	122.25	122.25	152.	92.5	1770.125	42.073	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/15/93-06/05/94	2	312.5	312.5	390.	235.	12012.5	109.602	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/15/93-06/05/94	2	9552.	9552.	11094.	8010.	4755528.	2180.717	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/15/93-06/05/94	2	2854.	2854.	3108.	2600.	129032.	359.21	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0189

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00	1	1	1.00				1	1	1.00			

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

Station Inventory for Station: ALPO0190

NPS Station ID: ALPO0190 LAT/LON: 40.398642/ -78.712226 Agency: 11NPSWRD Date Created: 10/17/98
Location: NORTH BRANCH LITTLE CONEMAUGH RIVER NB-04 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE STORET Station ID(s): JOFL_LC_NB-04
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE NORTH BRANCH OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0190

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/93-03/07/95	2	11.3	11.3	11.5	11.1	0.08	0.283	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/24/93-03/07/95	2	70.5	70.5	81.	60.	220.5	14.849	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/24/93-03/07/95	2	348.5	348.5	457.	240.	23544.5	153.442	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/24/93-06/13/95	3	863.	668.667	869.	274.	116830.333	341.805	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/24/93-06/13/95	3	8.1	7.867	8.1	7.4	0.163	0.404	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/24/93-06/13/95	3	8.1	7.731	8.1	7.4	0.191	0.437	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/93-06/13/95	3	0.008	0.019	0.04	0.008	0.	0.018	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/24/93-03/07/95	2	7.55	7.55	7.8	7.3	0.125	0.354	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/24/93-03/07/95	2	7.482	7.482	7.8	7.3	0.134	0.367	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/93-03/07/95	2	0.033	0.033	0.05	0.016	0.001	0.024	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/93-06/13/95	3	292.	241.333	326.	106.	14025.333	118.429	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/24/93-06/13/95	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/93-06/13/95	3	86.	71.667	113.	16.	2506.333	50.063	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/24/93-06/13/95	3	0.02	0.147	0.4	0.02	0.048	0.219	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/24/93-06/13/95	3	0.03	0.15	0.4	0.02	0.047	0.217	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/24/93-06/13/95	3	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/24/93-06/13/95	3	0.06	0.057	0.06	0.05	0.	0.006	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/24/93-06/13/95	3	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/24/93-06/13/95	3	304.7	325.567	558.	114.	49610.563	222.734	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/24/93-03/07/95	2	233.5	233.5	306.	161.	10512.5	102.53	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0190

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00				1	0	0.00	2	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00				1	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00				1	0	0.00	2	0	0.00			

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

Station Inventory for Station: ALPO0191

NPS Station ID: ALPO0191 LAT/LON: 40.399948/ -78.712865 Agency: 11NPSWRD Date Created: 10/17/98
Location: NORTH BRANCH LITTLE CONEMAUGH RIVER NB-03 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_LC_NB-03
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE NORTH BRANCH OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/93-06/24/93	1	14.5	14.5	14.5	14.5	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/24/93-06/24/93	1	440.	440.	440.	440.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/24/93-06/24/93	1	145.	145.	145.	145.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/24/93-06/24/93	1	197.	197.	197.	197.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/24/93-06/24/93	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/24/93-06/24/93	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/93-06/24/93	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/24/93-06/24/93	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/24/93-06/24/93	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/93-06/24/93	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/93-06/24/93	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/24/93-06/24/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/93-06/24/93	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/24/93-06/24/93	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/24/93-06/24/93	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/24/93-06/24/93	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/24/93-06/24/93	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/24/93-06/24/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/24/93-06/24/93	1	96.6	96.6	96.6	96.6	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/24/93-06/24/93	1	97.	97.	97.	97.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0191

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0192

NPS Station ID: ALPO0192
LAT/LON: 40.373003/ -78.713503
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT17-10
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_UT17-10
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0192

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/93-03/15/95	3	27.2	25.633	28.7	21.	16.663	4.082	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/22/93-03/15/95	3	8.	6.333	9.	2.	14.333	3.786	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/22/93-03/15/95	3	1450.	1409.	1777.	1000.	152193.	390.119	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/93-03/15/95	3	1841.	1723.667	1986.	1344.	113366.333	336.699	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/22/93-03/15/95	3	4.1	4.133	4.3	4.	0.023	0.153	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/22/93-03/15/95	3	4.1	4.116	4.3	4.	0.024	0.154	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/93-03/15/95	3	79.433	76.517	100.	50.119	628.411	25.068	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/22/93-03/15/95	3	4.1	3.967	4.1	3.7	0.053	0.231	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/22/93-03/15/95	3	4.1	3.923	4.1	3.7	0.056	0.237	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/93-03/15/95	3	79.433	119.464	199.526	79.433	4807.476	69.336	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/22/93-03/15/95	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/22/93-03/15/95	2	750.	750.	862.	638.	25088.	158.392	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/22/93-03/15/95	3	1950.	1836.333	2034.	1525.	74460.333	272.874	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/22/93-03/15/95	3	5.	4.667	8.	1.	12.333	3.512	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/22/93-03/15/95	3	3.	2.667	4.	1.	2.333	1.528	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/22/93-03/15/95	3	5.1	4.567	5.4	3.2	1.423	1.193	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/22/93-03/15/95	3	5.	4.433	5.1	3.2	1.143	1.069	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/22/93-03/15/95	3	159.	124.667	205.	10.	10390.333	101.933	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/22/93-03/15/95	3	2436.	2416.	2980.	1832.	329776.	574.261	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/22/93-03/15/95	3	972.	943.333	1191.	667.	69260.333	263.174	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0192

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				1	1	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				1	1	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	3	1.00				1	1	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: ALPO0193

NPS Station ID: ALPO0193
LAT/LON: 40.373865/ -78.714642
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT17-07
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_UT17-07
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/93-06/08/94	2	13.7	13.7	14.3	13.1	0.72	0.849	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/22/93-06/08/94	2	4.	4.	5.	3.	2.	1.414	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/22/93-06/08/94	2	1815.	1815.	2230.	1400.	344450.	586.899	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/93-06/08/94	2	2757.	2757.	3002.	2512.	120050.	346.482	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/22/93-06/22/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/22/93-06/08/94	2	3.45	3.45	3.5	3.4	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/22/93-06/08/94	2	3.447	3.447	3.5	3.4	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/93-06/08/94	2	357.167	357.167	398.107	316.228	3352.118	57.897	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/22/93-06/08/94	2	3.5	3.5	3.9	3.1	0.32	0.566	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/22/93-06/08/94	2	3.337	3.337	3.9	3.1	0.373	0.611	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/93-06/08/94	2	460.11	460.11	794.328	125.893	223403.138	472.655	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/22/93-06/08/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/22/93-06/22/93	1	2280.	2280.	2280.	2280.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/22/93-06/08/94	2	3156.	3156.	4072.	2240.	1678112.	1295.42	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/22/93-06/08/94	2	6.	6.	7.	5.	2.	1.414	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/22/93-06/08/94	2	5.5	5.5	6.	5.	0.5	0.707	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/22/93-06/22/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/22/93-06/08/94	2	7.9	7.9	9.1	6.7	2.88	1.697	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/22/93-06/08/94	2	7.7	7.7	9.1	6.3	3.92	1.98	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/22/93-06/08/94	2	333.	333.	358.	308.	1250.	35.355	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/22/93-06/08/94	2	4373.	4373.	4522.	4224.	44402.	210.718	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/22/93-06/08/94	2	1216.	1216.	1494.	938.	154568.	393.151	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0193

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0194

NPS Station ID: ALPO0194 LAT/LON: 40.394198/ -78.717142 Agency: 11NPSWRD Date Created: 10/17/98
Location: NORTH BRANCH LITTLE CONEMAUGH RIVER NB-02 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_LC_NB-02
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE NORTH BRANCH OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0194

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/93-06/29/93	1	19.9	19.9	19.9	19.9	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/29/93-06/29/93	1	859.	859.	859.	859.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/29/93-06/29/93	1	180.	180.	180.	180.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/93-06/29/93	1	217.	217.	217.	217.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/29/93-06/29/93	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/29/93-06/29/93	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/93-06/29/93	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/29/93-06/29/93	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/29/93-06/29/93	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/93-06/29/93	1	1.259	1.259	1.259	1.259	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	1	70.	70.	70.	70.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/29/93-06/29/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/93-06/29/93	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/29/93-06/29/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/29/93-06/29/93	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/93-06/29/93	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/29/93-06/29/93	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/29/93-06/29/93	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/29/93-06/29/93	1	120.	120.	120.	120.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/29/93-06/29/93	1	121.	121.	121.	121.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0194

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0195

NPS Station ID: ALPO0195
LAT/LON: 40.385503/ -78.717338
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT15
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_UT15
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0195

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/93-06/14/93	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/14/93-06/14/93	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/14/93-06/14/93	1	222.	222.	222.	222.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/93-06/14/93	1	256.	256.	256.	256.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/93-06/14/93	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/93-06/14/93	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-06/14/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/14/93-06/14/93	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/14/93-06/14/93	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/93-06/14/93	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	98.	98.	98.	98.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/14/93-06/14/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/93-06/14/93	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/93-06/14/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/93-06/14/93	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/93-06/14/93	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-06/14/93	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/93-06/14/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/14/93-06/14/93	1	148.	148.	148.	148.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/14/93-06/14/93	1	149.	149.	149.	149.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0195

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0196

NPS Station ID: ALPO0196 LAT/LON: 40.318420/ -78.717809 Agency: 11NPSWRD Date Created: 10/17/98
Location: SOUTH FORK LITTLE CONEMAUGH RIVER SF-37 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE STORET Station ID(s): JOFL_LC_SF-37
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE SOUTH FORK OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0196

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/93-10/03/94	3	12.	13.367	17.7	10.4	14.723	3.837	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/28/93-10/03/94	3	463.	638.	1109.	342.	170041.	412.36	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/93-10/03/94	3	928.	992.667	1300.	750.	78761.333	280.644	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/93-10/03/94	3	1241.	1224.333	1242.	1190.	884.333	29.738	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/28/93-10/03/94	2	1.1	1.1	1.8	0.4	0.98	0.99	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/28/93-10/03/94	3	6.1	6.	6.1	5.8	0.03	0.173	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/28/93-10/03/94	3	6.1	5.976	6.1	5.8	0.031	0.176	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/93-10/03/94	3	0.794	1.058	1.585	0.794	0.208	0.456	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/28/93-10/03/94	3	5.6	5.633	5.9	5.4	0.063	0.252	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/28/93-10/03/94	3	5.6	5.588	5.9	5.4	0.066	0.258	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/93-10/03/94	3	2.512	2.584	3.981	1.259	1.856	1.363	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/93-10/03/94	3	72.	67.333	74.	56.	97.333	9.866	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/93-10/03/94	3	70.	72.667	90.	58.	261.333	16.166	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/93-10/03/94	3	721.	676.	736.	571.	8325.	91.241	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/93-10/03/94	3	65.	63.	66.	58.	19.	4.359	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/93-10/03/94	3	57.	59.667	66.	56.	30.333	5.508	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	07/28/93-07/28/93	1	64.	64.	64.	64.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/93-10/03/94	3	2.7	2.7	2.8	2.6	0.01	0.1	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/93-10/03/94	3	2.6	2.6	2.7	2.5	0.01	0.1	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/93-10/03/94	3	1.	1.567	3.	0.7	1.563	1.25	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/93-10/03/94	3	1156.	1156.667	1218.	1096.	3721.333	61.003	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/93-10/03/94	3	622.	664.333	871.	500.	35754.333	189.088	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0196

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	2	1.00	1	1	1.00				1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00				2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00				2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	3	1.00	1	1	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: ALPO0197

NPS Station ID: ALPO0197
LAT/LON: 40.281587/ -78.719170
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SULFUR CREEK SC-13
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_SC-13
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG SULFUR CREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/94-05/25/94	1	15.3	15.3	15.3	15.3	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	05/25/94-05/25/94	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/25/94-05/25/94	1	1328.	1328.	1328.	1328.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/94-05/25/94	1	1625.	1625.	1625.	1625.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/25/94-05/25/94	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/25/94-05/25/94	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/25/94-05/25/94	1	19.953	19.953	19.953	19.953	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/25/94-05/25/94	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/25/94-05/25/94	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/25/94-05/25/94	1	19.953	19.953	19.953	19.953	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/94-05/25/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/25/94-05/25/94	1	98.	98.	98.	98.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/94-05/25/94	1	1132.	1132.	1132.	1132.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/25/94-05/25/94	1	24.	24.	24.	24.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/25/94-05/25/94	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/25/94-05/25/94	1	22.9	22.9	22.9	22.9	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/25/94-05/25/94	1	20.8	20.8	20.8	20.8	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/25/94-05/25/94	1	14.	14.	14.	14.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	05/25/94-05/25/94	1	1570.	1570.	1570.	1570.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	05/25/94-05/25/94	1	890.	890.	890.	890.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0197

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0198

NPS Station ID: ALPO0198
LAT/LON: 40.282865/ -78.719309
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SULFUR CREEK SC-11
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_SC-11
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG SULFUR CREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0198

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/93-09/29/94	3	15.6	14.3	16.	11.3	6.79	2.606	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/04/93-09/29/94	3	6.	20.333	52.	3.	754.333	27.465	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/04/93-09/29/94	3	1205.	1126.333	1274.	900.	39610.333	199.023	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/04/93-09/29/94	3	1463.	1325.667	1563.	951.	107781.333	328.301	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/04/93-09/29/94	3	3.6	4.4	6.5	3.1	3.37	1.836	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/04/93-09/29/94	3	3.6	3.458	6.5	3.1	4.702	2.168	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/04/93-09/29/94	3	251.189	348.611	794.328	0.316	164732.109	405.872	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/04/93-09/29/94	3	4.5	4.	4.6	2.9	0.91	0.954	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/04/93-09/29/94	3	4.5	3.358	4.6	2.9	1.528	1.236	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/04/93-09/29/94	3	31.623	438.556	1258.925	25.119	504765.443	710.468	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/04/93-09/29/94	3	0.	20.667	62.	0.	1281.333	35.796	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/04/93-09/29/94	3	96.	94.667	178.	10.	7057.333	84.008	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/04/93-09/29/94	3	796.	843.333	1275.	459.	168144.333	410.054	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/04/93-09/29/94	3	3.	3.	5.	1.	4.	2.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/04/93-09/29/94	3	2.	2.	3.	1.	1.	1.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/04/93-09/29/94	3	9.5	11.333	16.2	8.3	18.123	4.257	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/04/93-09/29/94	3	8.8	11.067	16.2	8.2	19.853	4.456	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/04/93-09/29/94	3	7.	9.667	16.	6.	30.333	5.508	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/04/93-09/29/94	3	980.	1032.	1418.	698.	131628.	362.806	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/04/93-09/29/94	3	807.	752.	849.	600.	17769.	133.3	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0198

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00	2	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	2	2	1.00				1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	2	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	2	2	1.00				1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0199

NPS Station ID: ALPO0199
LAT/LON: 40.383892/ -78.719726
Agency: 112WRD
Date Created: 09/08/79
Location: L CONEMAUGH RIVER AT WILMORE, PA
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03040100
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 30.80
On/Off RF1:
RF3 Index: 05010007062600.00
RF3 Mile Point: 0.03
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/79-08/14/81	6	16.	14.583	23.	5.5	47.942	6.924	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/06/79-08/14/81	6	111.5	108.333	214.	24.	4637.067	68.096	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/06/79-08/14/81	6	480.	548.333	930.	370.	47656.667	218.304	**	**	**	**
00400	PH (STANDARD UNITS)	06/06/79-08/14/81	6	4.9	4.733	5.4	3.7	0.395	0.628	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/06/79-08/14/81	6	4.9	4.323	5.4	3.7	0.597	0.772	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/06/79-08/14/81	6	12.589	47.519	199.526	3.981	5829.38	76.35	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/01/81-08/14/81	2	3.85	3.85	4.4	3.3	0.605	0.778	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/01/81-08/14/81	2	3.568	3.568	4.4	3.3	0.764	0.874	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/01/81-08/14/81	2	270.499	270.499	501.187	39.811	106434.145	326.242	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/06/79-04/01/81	5	2.	2.1	3.	0.5	1.05	1.025	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/13/79-08/14/81	5	30.	42.8	74.	20.	529.2	23.004	**	**	**	**
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	08/20/80-08/20/80	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	08/20/80-08/20/80	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	08/20/80-08/20/80	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/06/79-08/14/81	6	220.	246.667	460.	150.	13706.667	117.075	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/20/80-08/20/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/20/80-08/20/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/20/80-08/20/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/20/80-08/20/80	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/20/80-08/20/80	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	06/06/79-08/14/81	6	950.	2833.333	13000.	0.	25186666.667	5018.632	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/06/79-08/14/81	6	8250.	14733.333	37000.	7100.	142838666.667	11951.513	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/06/79-08/14/81	6	7150.	11900.	37000.	5400.	152056000.	12331.099	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/20/80-08/20/80	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/20/80-08/20/80	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/06/79-08/14/81	6	0.	33.333	200.	0.	6666.667	81.65	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/06/79-08/14/81	6	1750.	1850.	3300.	1200.	603000.	776.531	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/06/79-08/14/81	6	1750.	1933.333	3600.	1200.	838666.667	915.787	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/20/80-08/20/80	1	47.	47.	47.	47.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/20/80-08/20/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/20/80-08/20/80	1	21000.	21000.	21000.	21000.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/13/79-08/14/81	5	245.	340.2	834.	74.	83854.2	289.576	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/13/79-08/14/81	5	80.1	63.52	91.9	10.	1090.557	33.024	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/13/79-08/14/81	5	0.33	0.46	1.13	0.1	0.154	0.393	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	08/13/79-08/14/81	5	0.6	0.86	1.5	0.4	0.218	0.467	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/20/80-08/20/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/06/79-08/14/81	5	27.	58.2	114.	21.	2248.7	47.42	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	06/06/79-08/14/81	5	7.9	22.1	66.	1.7	692.665	26.319	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: ALPO0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	08/20/80-08/20/80	1	27.	27.	27.	27.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0199

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	6	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	6	6	1.00	3	3	1.00	1	1	1.00	2	2	1.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	3	0.50	3	2	0.67	1	0	0.00	2	1	0.50			

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

Station Inventory for Station: ALPO0200

NPS Station ID: ALPO0200
LAT/LON: 40.282531/ -78.719892
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SULFUR CREEK SC-12
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_SC-12
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT SULFUR CREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/94-05/25/94	1	14.2	14.2	14.2	14.2	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/25/94-05/25/94	1	1115.	1115.	1115.	1115.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/94-05/25/94	1	1436.	1436.	1436.	1436.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/25/94-05/25/94	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/25/94-05/25/94	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/25/94-05/25/94	1	316.228	316.228	316.228	316.228	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/25/94-05/25/94	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/25/94-05/25/94	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/25/94-05/25/94	1	12.589	12.589	12.589	12.589	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/94-05/25/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/25/94-05/25/94	1	434.	434.	434.	434.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/94-05/25/94	1	1102.	1102.	1102.	1102.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/25/94-05/25/94	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/25/94-05/25/94	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/25/94-05/25/94	1	27.7	27.7	27.7	27.7	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/25/94-05/25/94	1	27.1	27.1	27.1	27.1	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/25/94-05/25/94	1	65.	65.	65.	65.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	05/25/94-05/25/94	1	1508.	1508.	1508.	1508.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	05/25/94-05/25/94	1	748.	748.	748.	748.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0200

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0201

NPS Station ID: ALPO0201
LAT/LON: 40.283698/ -78.719809
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SULFUR CREEK SC-08
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_SC-08
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG SULFUR CREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0201

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/93-09/29/94	3	15.9	14.767	16.6	11.8	6.723	2.593	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/04/93-09/29/94	3	171.	138.	214.	29.	9373.	96.814	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/04/93-09/29/94	3	1491.	1473.	1900.	1028.	190339.	436.279	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/04/93-09/29/94	3	1741.	1660.	2035.	1204.	177561.	421.38	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/04/93-09/29/94	3	7.1	6.933	8.8	4.9	3.823	1.955	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/04/93-09/29/94	3	7.1	5.374	8.8	4.9	7.469	2.733	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/04/93-09/29/94	3	0.079	4.223	12.589	0.002	52.492	7.245	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/04/93-09/29/94	3	4.8	5.233	6.4	4.5	1.043	1.021	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/04/93-09/29/94	3	4.8	4.797	6.4	4.5	1.329	1.153	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/04/93-09/29/94	3	15.849	15.957	31.623	0.398	243.754	15.613	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/04/93-09/29/94	3	24.	45.333	102.	10.	2457.333	49.571	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/04/93-09/29/94	3	10.	12.667	28.	0.	201.333	14.189	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/04/93-09/29/94	3	947.	1004.667	1338.	729.	95214.333	308.568	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/04/93-09/29/94	3	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/04/93-09/29/94	3	1.	1.067	2.	0.2	0.813	0.902	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/04/93-09/29/94	3	15.8	11.8	17.3	2.3	68.25	8.261	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/04/93-09/29/94	3	15.8	13.1	17.	6.5	33.03	5.747	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/04/93-09/29/94	3	5.	7.067	16.	0.2	65.613	8.1	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/04/93-09/29/94	3	1514.	1364.667	1614.	966.	121701.333	348.857	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/04/93-09/29/94	3	999.	979.333	1250.	689.	78970.333	281.017	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0201

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00	2	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	3	1	0.33	2	1	0.50				1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	2	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	2	2	1.00				1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0202

NPS Station ID: ALPO0202 | LAT/LON: 40.383392/ -78.720254 | Agency: 11NPSWRD | Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-60 | FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): JOFL_LC_LCR-60
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 05010007 | Depth of Water: 0 | Aquifer:
Major Basin: OHIO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: ALLEGHENY RIVER | ECO Region:
RF1 Index: 05010007 | RF1 Mile Point: 0.000 | Distance from RF1: 18.20 | On/Off RF1:
RF3 Index: 02050303019600.00 | RF3 Mile Point: 1.33 | Distance from RF3: 0.38 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00058	FLOW, RATE GALLONS/MIN	12/21/93-12/21/93	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/21/93-12/21/93	1	124.	124.	124.	124.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/21/93-12/21/93	1	218.	218.	218.	218.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/21/93-12/21/93	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/21/93-12/21/93	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/21/93-12/21/93	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/21/93-12/21/93	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/21/93-12/21/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/21/93-12/21/93	1	41.	41.	41.	41.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	12/21/93-12/21/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	12/21/93-12/21/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	12/21/93-12/21/93	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/21/93-12/21/93	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	12/21/93-12/21/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	12/21/93-12/21/93	1	148.	148.	148.	148.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	12/21/93-12/21/93	1	83.	83.	83.	83.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0202

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: ALPO0203

NPS Station ID: ALPO0203 LAT/LON: 40.383337/ -78.720282 Agency: 12NSS Date Created: 10/22/88
Location: LITTLE CONEMAUGH RIVER FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2C035035L /2CN2C035035L
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 472 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 10.80 On/Off RF1:
RF3 Index: 05010007005500.45 RF3 Mile Point: 1.12 Distance from RF3: 0.02 On/Off RF3:
Description:
THESE DATA WERE COLLECTED DURING PHASE I OF THE NATIONAL STREAM SURVEY AS PART OF EPA'S NATIONAL SURFACE WATER SURVEY AND AQUATIC EFFECTS RESEARCH PROGRAM UNDER THE NATIONAL ACID PRECIPITATION ASSESSMENT PROGRAM. THE SURVEY DESIGN, METHODS, AND DATA LIMITAITONS ARE DESCRIBED IN: KAUFMANN, P.R., ET AL. 1988. CHEMICAL CHARACTERISTICS OF STREAMS IN THE MID-ATLANTIC AND SOUTHEASTERN UNITED STATES. VOL.I: POPULATION DESCRIPTIONS AND PHYSICO-CHEMICAL RELATIONSHIPS. EPA/600/3-88/021A, U.S. ENVIRON. PROT. AGENCY, WASHINGTON, D.C. THE DATA IN STORET ARE THOSE REPORTED IN KAUFMANN ET AL. (1988) WITH THE FOLLOWING EXCEPTIONS: (1) UNITS FOR CHEMICAL PARAMETERS ARE TYPICALLY IN MG/L RATHER THAN MICROEQ/L; (2) NO SUBSTITUTED VALUES ARE PROVIDED FOR SUSPECT DATA; (3) TAGS AND FLAGS USED TO IDENTIFY SUSPICIOUS DATA ARE NOT SHOWN; (4) CALCULATED OR DERIVED VARIABLES ARE EXCLUDED.

Parameter Inventory for Station: ALPO0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/14/86-05/04/86	2	13.	13.	14.	12.	2.	1.414	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	04/14/86-05/04/86	2	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/14/86-05/04/86	2	10.	10.	10.	10.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/14/86-05/04/86	2	581.5	581.5	602.	561.	840.5	28.991	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/14/86-05/04/86	2	9.9	9.9	10.1	9.7	0.08	0.283	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/14/86-05/04/86	2	5.	5.	5.2	4.8	0.08	0.283	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/14/86-05/04/86	2	4.955	4.955	5.2	4.8	0.084	0.29	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/14/86-05/04/86	2	11.079	11.079	15.849	6.31	45.5	6.745	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/14/86-05/04/86	2	-252.05	-252.05	-161.7	-342.4	16326.245	127.774	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/14/86-05/04/86	2	0.02	0.02	0.03	0.01	0.	0.014	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/14/86-05/04/86	2	0.002	0.002	0.002	0.001	0.	0.001	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/14/86-05/04/86	2	0.95	0.95	1.2	0.7	0.125	0.354	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/14/86-05/04/86	2	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/14/86-05/04/86	2	54.35	54.35	61.5	47.2	102.245	10.112	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/14/86-05/04/86	2	19.85	19.85	22.9	16.8	18.605	4.313	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/14/86-05/04/86	2	9.325	9.325	9.47	9.18	0.042	0.205	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/14/86-05/04/86	2	2.515	2.515	2.79	2.24	0.151	0.389	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/14/86-05/04/86	2	8.	8.	10.	6.	8.	2.828	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/14/86-05/04/86	2	247.5	247.5	286.8	208.2	3088.98	55.579	**	**	**	**

** - Less than 9 observations ## - 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: ALPO0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/14/86-05/04/86	2	0.165	0.165	0.2	0.13	0.002	0.049	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/14/86-05/04/86	2	11.9	11.9	13.5	10.3	5.12	2.263	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/14/86-05/04/86	2	1548.95	1548.95	1808.8	1289.1	135044.045	367.483	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/14/86-05/04/86	2	3552.5	3552.5	4633.	2472.	2334960.5	1528.058	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/14/86-05/04/86	2	2.95	2.95	3.	2.9	0.005	0.071	**	**	**	**
71885	IRON (UG/L AS FE)	04/14/86-05/04/86	2	6633.745	6633.745	7394.7	5872.79	1158105.024	1076.153	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/14/86-05/04/86	2	1548.	1548.	1548.	1548.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/14/86-05/04/86	2	13.1	13.1	14.3	11.9	2.88	1.697	**	**	**	**
83509	STREAM, WIDTH METER	04/14/86-05/04/86	2	12.	12.	12.	12.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0203

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	2	2	1.00							2	2	1.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00							2	0	0.00			
		Drinking Water	250.	2	0	0.00							2	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	1	0.50							2	1	0.50			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00							2	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00							2	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: ALPO0204

NPS Station ID: ALPO0204
LAT/LON: 40.283809/ -78.720337
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SULFUR CREEK SC-07
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_SC-07
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT SULFUR CREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/94-05/25/94	1	14.6	14.6	14.6	14.6	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/25/94-05/25/94	1	1117.	1117.	1117.	1117.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/94-05/25/94	1	1404.	1404.	1404.	1404.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/25/94-05/25/94	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/25/94-05/25/94	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/25/94-05/25/94	1	251.189	251.189	251.189	251.189	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/25/94-05/25/94	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/25/94-05/25/94	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/25/94-05/25/94	1	15.849	15.849	15.849	15.849	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/94-05/25/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/25/94-05/25/94	1	394.	394.	394.	394.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/94-05/25/94	1	1078.	1078.	1078.	1078.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/25/94-05/25/94	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/25/94-05/25/94	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/25/94-05/25/94	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/25/94-05/25/94	1	25.3	25.3	25.3	25.3	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/25/94-05/25/94	1	59.	59.	59.	59.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	05/25/94-05/25/94	1	1356.	1356.	1356.	1356.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	05/25/94-05/25/94	1	748.	748.	748.	748.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0204

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0205

NPS Station ID: ALPO0205 LAT/LON: 40.384142/ -78.720310 Agency: 11NPSWRD Date Created: 10/17/98
Location: NORTH BRANCH LITTLE CONEMAUGH RIVER NB-01 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_LC_NB-01
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE NORTH BRANCH OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0205

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/93-06/24/93	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/24/93-06/24/93	1	53.	53.	53.	53.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/24/93-06/24/93	1	207.	207.	207.	207.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/24/93-06/24/93	1	241.	241.	241.	241.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/24/93-06/24/93	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/24/93-06/24/93	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/93-06/24/93	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/24/93-06/24/93	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/24/93-06/24/93	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/93-06/24/93	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/93-06/24/93	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/24/93-06/24/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/93-06/24/93	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/24/93-06/24/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/24/93-06/24/93	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/24/93-06/24/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/24/93-06/24/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/24/93-06/24/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/24/93-06/24/93	1	138.	138.	138.	138.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/24/93-06/24/93	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 time series plot

EPA Water Quality Criteria Analysis for Station: ALPO0205

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0206

NPS Station ID: ALPO0206
LAT/LON: 40.382948/ -78.722142
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT16
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_UT16
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0206

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/93-06/15/93	1	14.2	14.2	14.2	14.2	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/15/93-06/15/93	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/15/93-06/15/93	1	189.	189.	189.	189.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/93-06/15/93	1	273.	273.	273.	273.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/15/93-06/15/93	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/15/93-06/15/93	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/93-06/15/93	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/93-06/15/93	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/93-06/15/93	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/93-06/15/93	1	0.794	0.794	0.794	0.794	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/93-06/15/93	1	88.	88.	88.	88.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/15/93-06/15/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/15/93-06/15/93	1	48.	48.	48.	48.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/15/93-06/15/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/15/93-06/15/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/15/93-06/15/93	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/15/93-06/15/93	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/15/93-06/15/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/15/93-06/15/93	1	126.	126.	126.	126.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/15/93-06/15/93	1	127.	127.	127.	127.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0206

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0207

NPS Station ID: ALPO0207
LAT/LON: 40.273976/ -78.722560
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SULFUR CREEK SC-14
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_SC-14
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG SULFUR CREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0207

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/05/93-08/05/93	1	20.1	20.1	20.1	20.1	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/05/93-08/05/93	1	636.	636.	636.	636.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/05/93-08/05/93	1	811.	811.	811.	811.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/05/93-08/05/93	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/05/93-08/05/93	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/05/93-08/05/93	1	501.187	501.187	501.187	501.187	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/05/93-08/05/93	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/05/93-08/05/93	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/05/93-08/05/93	1	19.953	19.953	19.953	19.953	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/05/93-08/05/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/05/93-08/05/93	1	186.	186.	186.	186.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/05/93-08/05/93	1	535.	535.	535.	535.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/05/93-08/05/93	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/05/93-08/05/93	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/05/93-08/05/93	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/05/93-08/05/93	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/05/93-08/05/93	1	34.	34.	34.	34.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/05/93-08/05/93	1	672.	672.	672.	672.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/05/93-08/05/93	1	424.	424.	424.	424.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0207

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0208

NPS Station ID: ALPO0208
LAT/LON: 40.377698/ -78.723142
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT17
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_UT17
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0208

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/93-06/15/93	1	14.9	14.9	14.9	14.9	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/15/93-06/15/93	1	800.	800.	800.	800.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/15/93-06/15/93	1	431.	431.	431.	431.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/93-06/15/93	1	578.	578.	578.	578.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/15/93-06/15/93	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/15/93-06/15/93	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/93-06/15/93	1	25.119	25.119	25.119	25.119	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/93-06/15/93	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/93-06/15/93	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/93-06/15/93	1	19.953	19.953	19.953	19.953	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/93-06/15/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/15/93-06/15/93	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/15/93-06/15/93	1	308.	308.	308.	308.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/15/93-06/15/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/15/93-06/15/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/15/93-06/15/93	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/15/93-06/15/93	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/15/93-06/15/93	1	21.	21.	21.	21.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/15/93-06/15/93	1	456.	456.	456.	456.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/15/93-06/15/93	1	289.	289.	289.	289.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0208

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0209

NPS Station ID: ALPO0209 LAT/LON: 40.317420/ -78.723809 Agency: 11NPSWRD Date Created: 10/17/98
Location: SOUTH FORK LITTLE CONEMAUGH RIVER SF-41 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE STORET Station ID(s): JOFL_LC_SF-41
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE SOUTH FORK OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-04/11/95	4	12.6	13.475	18.4	10.3	12.916	3.594	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/16/93-04/11/95	4	46.5	44.5	60.	25.	209.667	14.48	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-04/11/95	4	827.5	938.75	1400.	700.	98672.917	314.122	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-04/11/95	4	1235.	1214.5	1292.	1096.	7315.667	85.532	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/07/94-04/11/95	3	1.6	1.4	1.6	1.	0.12	0.346	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/16/93-04/11/95	4	6.4	6.35	6.4	6.2	0.01	0.1	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/16/93-04/11/95	4	6.4	6.341	6.4	6.2	0.01	0.101	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-04/11/95	4	0.398	0.456	0.631	0.398	0.014	0.116	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/16/93-04/11/95	4	5.75	5.775	6.2	5.4	0.189	0.435	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/16/93-04/11/95	4	5.622	5.63	6.2	5.4	0.217	0.466	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-04/11/95	4	2.388	2.347	3.981	0.631	3.565	1.888	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-04/11/95	4	103.	122.5	184.	100.	1683.667	41.033	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-04/11/95	3	0.	5.667	17.	0.	96.333	9.815	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-04/11/95	4	705.	688.5	717.	627.	1723.667	41.517	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/16/93-04/11/95	4	45.5	46.75	55.	41.	34.917	5.909	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-04/11/95	4	40.5	40.75	46.	36.	16.917	4.113	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-04/11/95	4	2.	2.	2.3	1.7	0.067	0.258	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-04/11/95	4	1.95	1.925	2.1	1.7	0.029	0.171	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-04/11/95	4	0.2	0.375	1.	0.1	0.176	0.419	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-04/11/95	4	1170.	908.975	1286.	9.9	366733.269	605.585	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-04/11/95	4	554.5	628.5	938.	467.	44503.	210.957	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0209

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	3	1.00				1	1	1.00	2	2	1.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00	1	1	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00	1	1	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00	1	1	1.00	1	1	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: ALPO0210

NPS Station ID: ALPO0210
LAT/LON: 40.334448/ -78.724392
Agency: 11NPSWRD
Date Created: 10/17/98
Location: BIRCH RUN BI-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_BI-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT BIRCH RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0210

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/93-07/26/93	1	20.4	20.4	20.4	20.4	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/26/93-07/26/93	1	250.	250.	250.	250.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/93-07/26/93	1	169.	169.	169.	169.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/93-07/26/93	1	198.	198.	198.	198.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/26/93-07/26/93	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/26/93-07/26/93	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/93-07/26/93	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/26/93-07/26/93	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/26/93-07/26/93	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/93-07/26/93	1	0.398	0.398	0.398	0.398	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/93-07/26/93	1	54.	54.	54.	54.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/93-07/26/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/93-07/26/93	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/26/93-07/26/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/26/93-07/26/93	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/93-07/26/93	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/26/93-07/26/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/93-07/26/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/26/93-07/26/93	1	152.	152.	152.	152.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/26/93-07/26/93	1	131.	131.	131.	131.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0210

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0211

NPS Station ID: ALPO0211 LAT/LON: 40.316559/ -78.724920 Agency: 11NPSWRD Date Created: 10/17/98
Location: SOUTH FORK LITTLE CONEMAUGH RIVER SF-42 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE STORET Station ID(s): JOFL_LC_SF-42
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE SOUTH FORK OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0211

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-04/11/95	4	12.7	12.6	14.1	10.9	2.147	1.465	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/16/93-04/11/95	4	282.	278.75	319.	232.	1692.25	41.137	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-04/11/95	4	1076.5	1113.25	1600.	700.	137168.917	370.363	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-04/11/95	4	1380.	1377.	1441.	1307.	4018.667	63.393	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/07/94-04/11/95	3	2.	1.7	2.7	0.4	1.39	1.179	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/16/93-04/11/95	4	5.	4.95	5.2	4.6	0.07	0.265	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/16/93-04/11/95	4	4.989	4.886	5.2	4.6	0.075	0.275	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-04/11/95	4	10.266	12.99	25.119	6.31	72.456	8.512	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/16/93-04/11/95	4	5.	5.9	8.7	4.9	3.487	1.867	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/16/93-04/11/95	4	5.	5.089	8.7	4.9	4.364	2.089	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-04/11/95	4	10.	8.148	12.589	0.002	30.981	5.566	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-04/11/95	4	11.	9.5	15.	1.	41.667	6.455	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-04/11/95	4	53.	50.75	84.	13.	959.583	30.977	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-04/11/95	4	911.	919.5	1010.	846.	4675.	68.374	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/16/93-04/11/95	4	14.45	14.35	28.	0.5	248.457	15.763	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-04/11/95	4	9.5	11.05	25.	0.2	153.877	12.405	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-04/11/95	4	1.6	1.625	2.2	1.1	0.309	0.556	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-04/11/95	4	1.6	1.575	2.	1.1	0.243	0.492	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-04/11/95	4	5.	5.25	9.	2.	8.917	2.986	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-04/11/95	4	1351.	1340.75	1468.	1193.	18264.917	135.148	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-04/11/95	4	725.5	747.5	1072.	467.	61903.	248.803	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0211

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	3	1.00				1	1	1.00	2	2	1.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00	1	1	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	3	0.75	1	1	1.00	1	1	1.00	2	1	0.50			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00	1	1	1.00	1	1	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: ALPO0212

NPS Station ID: ALPO0212 LAT/LON: 40.318920/ -78.724976 Agency: 11NPSWRD Date Created: 10/17/98
Location: SOUTH FORK LITTLE CONEMAUGH RIVER SF-39 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_LC_SF-39
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE SOUTH FORK OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0212

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/05/93-08/05/93	1	18.6	18.6	18.6	18.6	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/05/93-08/05/93	1	4655.	4655.	4655.	4655.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/05/93-08/05/93	1	432.	432.	432.	432.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/05/93-08/05/93	1	563.	563.	563.	563.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/05/93-08/05/93	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/05/93-08/05/93	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/05/93-08/05/93	1	79.433	79.433	79.433	79.433	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/05/93-08/05/93	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/05/93-08/05/93	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/05/93-08/05/93	1	125.893	125.893	125.893	125.893	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/05/93-08/05/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/05/93-08/05/93	1	52.	52.	52.	52.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/05/93-08/05/93	1	307.	307.	307.	307.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/05/93-08/05/93	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/05/93-08/05/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	08/05/93-08/05/93	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/05/93-08/05/93	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/05/93-08/05/93	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/05/93-08/05/93	1	7.	7.	7.	7.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/05/93-08/05/93	1	494.	494.	494.	494.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/05/93-08/05/93	1	288.	288.	288.	288.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0212

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0213

NPS Station ID: ALPO0213
LAT/LON: 40.332170/ -78.725615
Agency: 11NPSWRD
Date Created: 10/17/98
Location: MUD RUN MR-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_MR-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT MUD RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0213

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/93-07/26/93	1	21.3	21.3	21.3	21.3	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/26/93-07/26/93	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/93-07/26/93	1	275.	275.	275.	275.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/93-07/26/93	1	323.	323.	323.	323.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/26/93-07/26/93	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/26/93-07/26/93	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/93-07/26/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/26/93-07/26/93	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/26/93-07/26/93	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/93-07/26/93	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/93-07/26/93	1	134.	134.	134.	134.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/93-07/26/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/93-07/26/93	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/26/93-07/26/93	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/26/93-07/26/93	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/93-07/26/93	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/26/93-07/26/93	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/93-07/26/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/26/93-07/26/93	1	198.	198.	198.	198.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/26/93-07/26/93	1	184.	184.	184.	184.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0213

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0214

NPS Station ID: ALPO0214 LAT/LON: 40.317837/ -78.726615 Agency: 11NPSWRD Date Created: 10/17/98
Location: SOUTH FORK LITTLE CONEMAUGH RIVER SF-44 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_LC_SF-44
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT SOUTH FORK OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0214

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-08/16/93	1	14.2	14.2	14.2	14.2	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/16/93-08/16/93	1	393.	393.	393.	393.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-08/16/93	1	750.	750.	750.	750.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-08/16/93	1	1307.	1307.	1307.	1307.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/16/93-08/16/93	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/16/93-08/16/93	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-08/16/93	1	6.31	6.31	6.31	6.31	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/16/93-08/16/93	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/16/93-08/16/93	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-08/16/93	1	1.995	1.995	1.995	1.995	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-08/16/93	1	817.	817.	817.	817.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/16/93-08/16/93	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-08/16/93	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-08/16/93	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-08/16/93	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-08/16/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-08/16/93	1	1244.	1244.	1244.	1244.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-08/16/93	1	500.	500.	500.	500.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0214

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0215

NPS Station ID: ALPO0215
LAT/LON: 40.378253/ -78.729392
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT18
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_UT18
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/93-06/15/93	1	15.8	15.8	15.8	15.8	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/15/93-06/15/93	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/15/93-06/15/93	1	368.	368.	368.	368.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/93-06/15/93	1	492.	492.	492.	492.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/15/93-06/15/93	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/15/93-06/15/93	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/93-06/15/93	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/93-06/15/93	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/93-06/15/93	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/93-06/15/93	1	0.398	0.398	0.398	0.398	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/93-06/15/93	1	208.	208.	208.	208.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/15/93-06/15/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/15/93-06/15/93	1	54.	54.	54.	54.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/15/93-06/15/93	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/15/93-06/15/93	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/15/93-06/15/93	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/15/93-06/15/93	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/15/93-06/15/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/15/93-06/15/93	1	245.3	245.3	245.3	245.3	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/15/93-06/15/93	1	247.	247.	247.	247.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0215

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0216

NPS Station ID: ALPO0216
LAT/LON: 40.379643/ -78.732976
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT19
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_UT19
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/93-06/15/93	1	19.5	19.5	19.5	19.5	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/15/93-06/15/93	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/15/93-06/15/93	1	192.	192.	192.	192.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/93-06/15/93	1	222.	222.	222.	222.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/15/93-06/15/93	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/15/93-06/15/93	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/93-06/15/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/93-06/15/93	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/93-06/15/93	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/93-06/15/93	1	0.398	0.398	0.398	0.398	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/93-06/15/93	1	84.	84.	84.	84.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/15/93-06/15/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/15/93-06/15/93	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/15/93-06/15/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/15/93-06/15/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/15/93-06/15/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/15/93-06/15/93	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/15/93-06/15/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/15/93-06/15/93	1	128.	128.	128.	128.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/15/93-06/15/93	1	129.	129.	129.	129.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0216

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0217

NPS Station ID: ALPO0217
LAT/LON: 40.379253/ -78.736420
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT20
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_UT20
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0217

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/93-06/15/93	1	17.8	17.8	17.8	17.8	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/15/93-06/15/93	1	300.	300.	300.	300.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/15/93-06/15/93	1	143.	143.	143.	143.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/93-06/15/93	1	178.	178.	178.	178.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/15/93-06/15/93	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/15/93-06/15/93	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/93-06/15/93	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/93-06/15/93	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/93-06/15/93	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/93-06/15/93	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/93-06/15/93	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/15/93-06/15/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/15/93-06/15/93	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/15/93-06/15/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/15/93-06/15/93	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/15/93-06/15/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/15/93-06/15/93	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/15/93-06/15/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/15/93-06/15/93	1	95.3	95.3	95.3	95.3	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/15/93-06/15/93	1	96.	96.	96.	96.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0217

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0218

NPS Station ID: ALPO0218
LAT/LON: 40.309365/ -78.737670
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SULFUR CREEK SC-02
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_SC-02
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG SULFUR CREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0218

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/93-09/29/94	3	10.7	11.767	14.	10.6	3.743	1.935	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/04/93-09/29/94	3	1017.	1234.667	1696.	991.	159790.333	399.738	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/04/93-09/29/94	3	1100.	1219.333	1500.	1058.	59521.333	243.97	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/04/93-09/29/94	3	1616.	1599.667	1829.	1354.	56606.333	237.921	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/04/93-09/29/94	3	0.3	0.5	1.2	0.	0.39	0.624	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/04/93-09/29/94	3	3.5	3.467	3.5	3.4	0.003	0.058	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/04/93-09/29/94	3	3.5	3.464	3.5	3.4	0.003	0.058	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/04/93-09/29/94	3	316.228	343.521	398.107	316.228	2234.746	47.273	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/04/93-09/29/94	3	3.3	3.067	3.4	2.5	0.243	0.493	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/04/93-09/29/94	3	3.3	2.868	3.4	2.5	0.302	0.55	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/04/93-09/29/94	3	501.187	1353.857	3162.278	398.107	2455444.376	1566.986	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/04/93-09/29/94	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/04/93-09/29/94	3	468.	442.	484.	374.	3532.	59.431	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/04/93-09/29/94	3	1283.	1250.	1510.	957.	77269.	277.973	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/04/93-09/29/94	3	141.	132.	145.	110.	367.	19.157	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/04/93-09/29/94	3	140.	131.333	145.	109.	380.333	19.502	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	08/04/93-09/29/94	3	141.	132.	145.	110.	367.	19.157	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/04/93-09/29/94	3	17.3	16.8	19.	14.1	6.19	2.488	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/04/93-09/29/94	3	17.3	16.7	18.8	14.	6.03	2.456	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/04/93-09/29/94	3	25.	24.667	25.	24.	0.333	0.577	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/04/93-09/29/94	3	1686.	1730.667	1924.	1582.	30737.333	175.321	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/04/93-09/29/94	3	733.	814.	1000.	709.	26091.	161.527	**	**	**	**

** - 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: ALPO0218

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2 &	2	1.00	1	1	1.00				1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00	2	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	2	2	1.00				1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	2	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	2	2	1.00				1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0219

NPS Station ID: ALPO0219
LAT/LON: 40.308587/ -78.738448
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SULFUR CREEK SC-03
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_SC-03
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT SULFUR CREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0219

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/93-05/23/94	2	15.3	15.3	16.1	14.5	1.28	1.131	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/04/93-08/04/93	1	191.	191.	191.	191.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/04/93-05/23/94	2	1097.	1097.	1300.	894.	82418.	287.085	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/04/93-05/23/94	2	1365.5	1365.5	1614.	1117.	123504.5	351.432	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/04/93-05/23/94	2	3.55	3.55	3.6	3.5	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/04/93-05/23/94	2	3.547	3.547	3.6	3.5	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/04/93-05/23/94	2	283.708	283.708	316.228	251.189	2115.044	45.99	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/04/93-05/23/94	2	4.05	4.05	4.8	3.3	1.125	1.061	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/04/93-05/23/94	2	3.588	3.588	4.8	3.3	1.553	1.246	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/04/93-05/23/94	2	258.518	258.518	501.187	15.849	117776.634	343.186	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/04/93-05/23/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/04/93-05/23/94	2	333.	333.	430.	236.	18818.	137.179	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/04/93-05/23/94	2	1226.5	1226.5	1640.	813.	341964.5	584.777	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/04/93-05/23/94	2	5.	5.	5.	5.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/04/93-05/23/94	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/04/93-05/23/94	2	10.25	10.25	17.6	2.9	108.045	10.394	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/04/93-05/23/94	2	10.45	10.45	18.1	2.8	117.045	10.819	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/04/93-05/23/94	2	51.5	51.5	66.	37.	420.5	20.506	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/04/93-05/23/94	2	1656.	1656.	2002.	1310.	239432.	489.318	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/04/93-05/23/94	2	733.	733.	867.	599.	35912.	189.505	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0219

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00	1	1	1.00				1	1	1.00			

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

Station Inventory for Station: ALPO0220

NPS Station ID: ALPO0220
LAT/LON: 40.309337/ -78.738948
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SULFUR CREEK SC-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_SC-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT SULFUR CREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/93-05/23/94	2	14.05	14.05	14.5	13.6	0.405	0.636	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/04/93-08/04/93	1	991.	991.	991.	991.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/04/93-05/23/94	2	1104.5	1104.5	1200.	1009.	18240.5	135.057	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/04/93-05/23/94	2	1546.5	1546.5	1737.	1356.	72580.5	269.408	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/04/93-05/23/94	2	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/04/93-05/23/94	2	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/04/93-05/23/94	2	501.187	501.187	501.187	501.187	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/04/93-05/23/94	2	3.25	3.25	3.4	3.1	0.045	0.212	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/04/93-05/23/94	2	3.225	3.225	3.4	3.1	0.046	0.215	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/04/93-05/23/94	2	596.218	596.218	794.328	398.107	78495.566	280.171	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/04/93-05/23/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/04/93-05/23/94	2	383.	383.	468.	298.	14450.	120.208	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/04/93-05/23/94	2	1239.5	1239.5	1600.	879.	259920.5	509.824	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/04/93-05/23/94	2	83.5	83.5	107.	60.	1104.5	33.234	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/04/93-05/23/94	2	81.	81.	107.	55.	1352.	36.77	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/04/93-05/23/94	2	17.75	17.75	19.8	15.7	8.405	2.899	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/04/93-05/23/94	2	17.5	17.5	19.8	15.2	10.58	3.253	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/04/93-05/23/94	2	31.	31.	33.	29.	8.	2.828	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/04/93-05/23/94	2	1761.	1761.	2008.	1514.	122018.	349.311	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/04/93-05/23/94	2	738.	738.	800.	676.	7688.	87.681	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0220

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00	1	1	1.00				1	1	1.00			

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

Station Inventory for Station: ALPO0221

NPS Station ID: ALPO0221
LAT/LON: 40.380170/ -78.740949
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT21
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_UT21
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/93-06/17/93	1	15.3	15.3	15.3	15.3	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/17/93-06/17/93	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/17/93-06/17/93	1	155.	155.	155.	155.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/17/93-06/17/93	1	209.	209.	209.	209.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/17/93-06/17/93	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/17/93-06/17/93	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/93-06/17/93	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/17/93-06/17/93	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/17/93-06/17/93	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/93-06/17/93	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/17/93-06/17/93	1	62.	62.	62.	62.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/17/93-06/17/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/17/93-06/17/93	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/17/93-06/17/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/17/93-06/17/93	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/17/93-06/17/93	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/17/93-06/17/93	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/17/93-06/17/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/17/93-06/17/93	1	103.3	103.3	103.3	103.3	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/17/93-06/17/93	1	104.	104.	104.	104.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0221

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0222

NPS Station ID: ALPO0222
LAT/LON: 40.311281/ -78.741587
Agency: 11NPSWRD
Date Created: 10/17/98
Location: OTTO RUN OT-03
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_OT-03
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT OTTO RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/93-05/23/95	4	14.8	14.225	18.5	8.8	16.229	4.029	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/12/93-05/23/95	3	2811.	2854.	3498.	2253.	388893.	623.613	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/12/93-05/23/95	4	817.5	768.25	1378.	60.	324292.25	569.467	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/12/93-05/23/95	4	1194.	1032.75	1635.	108.	436732.917	660.858	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/12/93-05/23/95	4	3.35	4.1	6.4	3.3	2.353	1.534	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/12/93-05/23/95	4	3.347	3.456	6.4	3.3	2.907	1.705	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/12/93-05/23/95	4	449.647	350.22	501.187	0.398	56750.25	238.223	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/12/93-05/23/95	4	4.55	4.85	7.1	3.2	3.257	1.805	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/12/93-05/23/95	4	3.896	3.655	7.1	3.2	5.161	2.272	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/12/93-05/23/95	4	127.175	221.347	630.957	0.079	88411.689	297.341	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/93-05/23/95	4	0.	6.	24.	0.	144.	12.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/12/93-05/23/95	4	263.	231.5	398.	2.	28809.	169.732	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/12/93-05/23/95	4	799.5	684.5	1125.	14.	227567.	477.04	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/12/93-05/23/95	4	49.5	40.95	64.	0.8	764.677	27.653	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/12/93-05/23/95	4	51.	1240.51	4860.	0.04	5823137.92	2413.118	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	02/19/94-02/19/94	1	35.	35.	35.	35.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/12/93-05/23/95	4	12.45	10.853	18.5	0.01	67.864	8.238	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/12/93-05/23/95	4	11.9	10.103	16.6	0.01	57.006	7.55	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/12/93-05/23/95	4	21.	18.875	33.	0.5	224.729	14.991	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/12/93-05/23/95	4	442.	686.5	1784.	78.	629675.667	793.521	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/12/93-05/23/95	4	547.5	513.5	919.	40.	144428.333	380.037	**	**	**	**

** - 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: ALPO0222

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00				1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				1	1	1.00	3	3	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00				1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	4	3	0.75				1	1	1.00	3	2	0.67			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	3	0.75				1	1	1.00	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: ALPO0223

NPS Station ID: ALPO0223
LAT/LON: 40.312031/ -78.741948
Agency: 11NPSWRD
Date Created: 10/17/98
Location: OTTO RUN OT-02
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_OT-02
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT OTTO RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0223

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/93-05/23/95	4	14.75	13.7	19.5	5.8	32.767	5.724	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/12/93-05/23/95	2	4348.	4348.	6346.	2350.	7984008.	2825.599	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/12/93-05/23/95	4	647.5	646.	1093.	196.	160108.667	400.136	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/12/93-05/23/95	4	740.5	804.5	1348.	389.	179745.667	423.964	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/12/93-05/23/95	4	3.85	3.9	4.6	3.3	0.327	0.572	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/12/93-05/23/95	4	3.782	3.669	4.6	3.3	0.398	0.631	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/12/93-05/23/95	4	165.311	214.232	501.187	25.119	45881.232	214.199	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/12/93-05/23/95	4	4.6	4.45	5.3	3.3	0.803	0.896	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/12/93-05/23/95	4	4.437	3.839	5.3	3.3	1.301	1.141	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/12/93-05/23/95	4	36.548	144.824	501.187	5.012	57133.069	239.025	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/93-05/23/95	4	0.	0.5	2.	0.	1.	1.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/12/93-05/23/95	4	139.	155.5	284.	60.	9211.667	95.977	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/12/93-05/23/95	4	438.	499.25	891.	230.	89262.917	298.769	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/12/93-05/23/95	4	29.5	30.25	50.	12.	261.583	16.174	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/12/93-05/23/95	4	27.5	27.5	46.	9.	265.667	16.299	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/12/93-05/23/95	4	7.9	8.3	15.2	2.2	33.987	5.83	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/12/93-05/23/95	4	7.8	8.25	15.2	2.2	34.437	5.868	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/12/93-05/23/95	4	12.5	13.5	26.	3.	117.667	10.847	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/12/93-05/23/95	4	970.	2667.	8438.	290.	15033796.	3877.344	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/12/93-05/23/95	4	434.	432.	729.	131.	71222.	266.875	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0223

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00				1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				1	1	1.00	3	3	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00				1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				1	1	1.00	3	3	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	3	0.75				1	0	0.00	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: ALPO0224

NPS Station ID: ALPO0224
LAT/LON: 40.311309/ -78.742226
Agency: 11NPSWRD
Date Created: 10/17/98
Location: OTTO RUN OT-04
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_OT-04
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT OTTO RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0224

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/93-05/23/94	3	12.1	10.533	14.8	4.7	27.343	5.229	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	02/19/94-05/23/94	2	2732.5	2732.5	3519.	1946.	1237164.5	1112.279	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/12/93-05/23/94	3	91.	107.667	150.	82.	1364.333	36.937	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/12/93-05/23/94	3	153.	140.333	165.	103.	1081.333	32.884	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/12/93-05/23/94	3	6.6	6.733	7.1	6.5	0.103	0.321	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/12/93-05/23/94	3	6.6	6.666	7.1	6.5	0.11	0.332	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/12/93-05/23/94	3	0.251	0.216	0.316	0.079	0.015	0.122	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/12/93-05/23/94	3	7.1	7.1	7.5	6.7	0.16	0.4	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/12/93-05/23/94	3	7.1	6.985	7.5	6.7	0.18	0.424	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/12/93-05/23/94	3	0.079	0.104	0.2	0.032	0.007	0.087	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/93-05/23/94	3	26.	32.	46.	24.	148.	12.166	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/12/93-05/23/94	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/12/93-05/23/94	3	14.	14.333	17.	12.	6.333	2.517	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/12/93-05/23/94	3	0.3	0.33	0.6	0.09	0.066	0.256	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/12/93-05/23/94	3	0.1	0.113	0.2	0.04	0.007	0.081	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/12/93-05/23/94	3	0.02	0.027	0.04	0.02	0.	0.012	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/12/93-05/23/94	3	0.02	0.077	0.2	0.01	0.011	0.107	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/12/93-05/23/94	3	0.1	0.2	0.4	0.1	0.03	0.173	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/12/93-05/23/94	3	116.	124.667	150.	108.	497.333	22.301	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/12/93-05/23/94	3	61.	71.667	100.	54.	614.333	24.786	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0224

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	1	0.33				1	0	0.00	2	1	0.50			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00				1	0	0.00	2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00				1	0	0.00	2	0	0.00			

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

Station Inventory for Station: ALPO0225

NPS Station ID: ALPO0225 LAT/LON: 40.330392/ -78.745087 Agency: 11NPSWRD Date Created: 01/31/98
Location: S FORK L. CONEMAUGH ABOVE OTTO RUN CONFLUENCE FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_JC_SITE_4A
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE-PA CAMBRIA COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE SITE WAS ON THE SOUTH FORK LITTLE CONEMAUGH RIVER AND WAS OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL. THE DATA WERE COLLECTED AT THE ROUTE 869 BRIDGE IN SIDMAN UPSTREAM OF THE CONFLUENCE WITH OTTO RUN. THE STREAM WAS SAMPLED FOR METALS; NITRATE AND PHOSPHATE SPECIES; AND ACIDITY/ALKALINITY.
THE LOCATION WAS SAMPLED FOR PRELIMINARY DATA TO A STUDY THAT SUBSEQUENTLY WAS NOT WRITTEN. THE DATA IS ON FILE AT PARK HEADQUARTERS.
FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT JOHNSTOWN FLOOD NATIONAL MEMORIAL; PO BOX 189; CRESSON PA 16630 (TEL. 814-886-6100).
DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0225

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/86-07/07/87	3	18.	17.667	18.8	16.2	1.773	1.332	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/22/86-07/07/87	3	429.	389.	693.	45.	106176.	325.847	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/02/87-07/07/87	2	9.85	9.85	10.	9.7	0.045	0.212	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	06/02/87-07/07/87	2	102.5	102.5	104.	101.	4.5	2.121	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/07/87-07/07/87	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/07/87-07/07/87	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/07/87-07/07/87	1	5.012	5.012	5.012	5.012	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/22/86-07/07/87	3	3.97	4.027	4.86	3.25	0.65	0.806	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/22/86-07/07/87	3	3.97	3.643	4.86	3.25	0.872	0.934	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/86-07/07/87	3	107.152	227.766	562.341	13.804	86134.103	293.486	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	07/22/86-07/07/87	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	07/22/86-07/07/87	3	58.	44.667	65.	11.	862.333	29.366	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/22/86-07/07/87	3	0.16	0.157	0.198	0.114	0.002	0.042	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/22/86-07/22/86	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/22/86-07/07/87	3	0.44	0.441	0.53	0.354	0.008	0.088	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/02/87-07/07/87	2	120.5	120.5	206.	35.	14620.5	120.915	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/22/86-07/07/87	3	47.5	36.2	56.	5.1	743.47	27.267	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/02/87-07/07/87	2	8.45	8.45	14.1	2.8	63.845	7.99	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/22/86-07/07/87	3	199.	167.333	265.	38.	13634.333	116.766	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/22/86-07/07/87	3	3720.	3761.	4953.	2610.	1373673.	1172.038	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/22/86-07/07/87	3	1597.	1351.333	2000.	457.	640476.333	800.298	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/22/86-07/22/86	1	220.	220.	220.	220.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: ALPO0225

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/22/86-07/07/87	3	4620.	4436.	7230.	1458.	8354388.	2890.396	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/22/86-07/07/87	3	0.016	0.014	0.022	0.003	0.	0.01	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/22/86-07/07/87	3	38.	48.667	97.	11.	1934.333	43.981	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/02/87-07/07/87	2	52.5	52.5	100.	5.	4512.5	67.175	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0225

				Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00							3	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00							3	3	1.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00							3	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	1	0.33							3	1	0.33			
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			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	2	1	0.50							2	1	0.50			

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

Station Inventory for Station: ALPO0226

NPS Station ID: ALPO0226 LAT/LON: 40.330531/ -78.745588 Agency: 11NPSWRD Date Created: 10/17/98
Location: SOUTH FORK LITTLE CONEMAUGH RIVER SF-48 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_LC_SF-48
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT SOUTH FORK OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0226

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/93-05/24/94	2	18.1	18.1	19.1	17.1	2.	1.414	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/12/93-07/12/93	1	6644.	6644.	6644.	6644.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/12/93-05/24/94	2	404.5	404.5	539.	270.	36180.5	190.212	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/12/93-05/24/94	2	473.	473.	606.	340.	35378.	188.09	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/12/93-05/24/94	2	4.1	4.1	4.3	3.9	0.08	0.283	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/12/93-05/24/94	2	4.055	4.055	4.3	3.9	0.084	0.29	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/12/93-05/24/94	2	88.006	88.006	125.893	50.119	2870.836	53.58	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/12/93-05/24/94	2	4.8	4.8	5.2	4.4	0.32	0.566	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/12/93-05/24/94	2	4.637	4.637	5.2	4.4	0.373	0.611	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/12/93-05/24/94	2	23.06	23.06	39.811	6.31	561.163	23.689	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/93-05/24/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/12/93-05/24/94	2	40.	40.	54.	26.	392.	19.799	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/12/93-05/24/94	2	303.5	303.5	416.	191.	25312.5	159.099	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/12/93-05/24/94	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/12/93-05/24/94	2	3.	3.	3.	3.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/12/93-05/24/94	2	2.	2.	2.5	1.5	0.5	0.707	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/12/93-05/24/94	2	2.	2.	2.5	1.5	0.5	0.707	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/12/93-05/24/94	2	4.5	4.5	6.	3.	4.5	2.121	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/12/93-05/24/94	2	745.	745.	956.	534.	89042.	298.399	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/12/93-05/24/94	2	270.	270.	359.	181.	15842.	125.865	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0226

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0227

NPS Station ID: ALPO0227
LAT/LON: 40.330226/ -78.746421
Agency: 11NPSWRD
Date Created: 10/17/98
Location: OTTO RUN OT-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_OT-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT OTTO RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0227

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/93-12/15/94	3	15.7	12.8	17.6	5.1	45.37	6.736	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/12/93-12/15/94	3	5035.	5040.667	7487.	2600.	5970716.333	2443.505	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/12/93-12/15/94	3	740.	796.333	1259.	390.	191170.333	437.23	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/12/93-12/15/94	3	943.	940.	1458.	419.	269887.	519.506	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/12/93-12/15/94	3	3.5	3.833	4.8	3.2	0.723	0.85	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/12/93-12/15/94	3	3.5	3.493	4.8	3.2	0.897	0.947	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/12/93-12/15/94	3	316.228	321.011	630.957	15.849	94606.752	307.582	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/12/93-12/15/94	3	4.9	4.467	5.1	3.4	0.863	0.929	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/12/93-12/15/94	3	4.9	3.855	5.1	3.4	1.424	1.193	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/12/93-12/15/94	3	12.589	139.547	398.107	7.943	50145.585	223.932	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/93-12/15/94	3	0.	0.667	2.	0.	1.333	1.155	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/12/93-12/15/94	3	164.	170.667	298.	50.	15409.333	124.134	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/12/93-12/15/94	3	594.	581.667	956.	195.	144894.333	380.65	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/12/93-12/15/94	3	25.	25.333	35.	16.	90.333	9.504	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/12/93-12/15/94	3	21.	21.333	29.	14.	56.333	7.506	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/12/93-12/15/94	3	10.6	9.733	15.6	3.	40.253	6.345	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/12/93-12/15/94	3	10.3	9.633	15.6	3.	40.023	6.326	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/12/93-12/15/94	3	19.	16.667	27.	4.	136.333	11.676	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/12/93-12/15/94	3	716.	818.	1460.	278.	357084.	597.565	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/12/93-12/15/94	3	496.	532.	839.	261.	84493.	290.677	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0227

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				1	1	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				1	1	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	2	0.67				1	0	0.00	2	2	1.00			

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

Station Inventory for Station: ALPO0228

NPS Station ID: ALPO0228
LAT/LON: 40.436476/ -78.746393
Agency: 11NPSWRD
Date Created: 10/17/98
Location: ROARING RUN RR-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_RR-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE EBENSBURG PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT ROARING RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/94-07/01/94	1	19.9	19.9	19.9	19.9	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/01/94-07/01/94	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/01/94-07/01/94	1	241.	241.	241.	241.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/01/94-07/01/94	1	234.	234.	234.	234.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/01/94-07/01/94	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/01/94-07/01/94	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/94-07/01/94	1	0.398	0.398	0.398	0.398	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/01/94-07/01/94	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/01/94-07/01/94	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/94-07/01/94	1	0.398	0.398	0.398	0.398	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/01/94-07/01/94	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/01/94-07/01/94	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/01/94-07/01/94	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/01/94-07/01/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/01/94-07/01/94	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/01/94-07/01/94	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/01/94-07/01/94	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/01/94-07/01/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/01/94-07/01/94	1	184.	184.	184.	184.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/01/94-07/01/94	1	161.	161.	161.	161.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0228

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0229

NPS Station ID: ALPO0229
LAT/LON: 40.329699/ -78.746753
Agency: 11NPSWRD
Date Created: 01/31/98
Location: OTTO RUN AT ROUTE 869 AT SIDMAN
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_JC_SITE_4
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE-PA CAMBRIA COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE SITE WAS ON A TRIBUTARY TO THE LITTLE CONEMAUGH RIVER AND WAS OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL. THE DATA WERE COLLECTED FROM OTTO RUN AT ROUTE 869 IN SIDMAN. THE STREAM WAS SAMPLED FOR METALS; NITRATE AND PHOSPHATE SPECIES; AND ACIDITY/ALKALINITY. THE LOCATION WAS SAMPLED FOR PRELIMINARY DATA TO A STUDY THAT SUBSEQUENTLY WAS NOT WRITTEN. THE DATA IS ON FILE AT PARK HEADQUARTERS. FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT JOHNSTOWN FLOOD NATIONAL MEMORIAL; PO BOX 189; CRESSON PA 16630 (TEL. 814-886-6100). DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0229

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/86-07/07/87	12	14.6	13.275	19.	0.	30.904	5.559	2.55	9.2	17.75	18.7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/07/86-07/07/87	12	984.	951.583	1646.	177.	163065.174	403.813	281.1	645.	1241.	1564.7
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/86-07/07/87	6	9.85	9.983	11.4	8.5	1.15	1.072	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/22/86-07/07/87	6	99.	98.183	103.	90.5	19.202	4.382	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/07/87-07/07/87	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/07/87-07/07/87	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/07/87-07/07/87	1	12.589	12.589	12.589	12.589	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/07/86-07/07/87	13	3.15	3.605	7.3	2.54	1.523	1.234	2.564	2.97	3.92	6.128
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/07/86-07/07/87	13	3.15	3.075	7.3	2.54	1.827	1.352	2.564	2.97	3.92	6.128
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/07/86-07/07/87	13	707.946	840.993	2884.032	0.05	845745.197	919.644	17.093	130.701	1112.684	2735.173
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	05/29/86-07/07/87	12	0.	0.25	2.	0.	0.386	0.622	0.	0.	0.	1.7
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	05/29/86-07/07/87	12	213.5	190.417	259.	23.	4719.902	68.702	43.4	176.5	233.5	256.3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/07/86-07/07/87	12	0.235	0.268	0.624	0.05	0.026	0.161	0.074	0.15	0.348	0.583
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/29/86-08/18/86	4 ##	0.025	0.05	0.125	0.025	0.003	0.05	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/07/86-07/07/87	12	0.65	0.648	1.16	0.134	0.057	0.239	0.222	0.577	0.763	1.049
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/23/86-07/07/87	7	399.	464.714	1344.	99.	165052.905	406.267	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/29/86-07/07/87	11	44.	79.418	445.	16.4	14867.756	121.933	19.34	33.5	56.	368.6
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/23/86-07/07/87	7	28.5	24.286	38.8	2.6	195.181	13.971	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/07/86-07/07/87	13	383.	379.615	574.	99.	22221.756	149.07	124.2	292.	509.5	572.4
01045	IRON, TOTAL (UG/L AS FE)	05/07/86-07/07/87	12	28350.	26626.	45500.	8680.	85760784.727	9260.712	11446.	20290.5	31520.	41660.
01055	MANGANESE, TOTAL (UG/L AS MN)	05/29/86-07/07/87	12	9545.	7873.375	10390.	1685.	8675995.324	2945.504	2046.5	6550.	9985.	10334.65
01092	ZINC, TOTAL (UG/L AS ZN)	05/07/86-08/18/86	5	2316.	2205.2	2690.	1440.	248255.2	498.252	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/07/86-07/07/87	13	17300.	15580.	28490.	2364.	52539206.	7248.393	3638.4	11155.	21050.	26034.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/07/86-07/07/87	12	0.035	0.034	0.071	0.002	0.001	0.024	0.002	0.009	0.055	0.069

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

Parameter Inventory for Station: ALPO0229

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	05/07/86-07/07/87	12	212.5	219.5	437.	63.	9335.545	96.621	78.3	162.25	265.75	399.5
81319	COD, FIELD MG/L	07/22/86-08/18/86	2	3.35	3.35	4.5	2.2	2.645	1.626	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/29/86-07/07/87	11	28.	31.282	100.	1.6	660.874	25.707	2.48	18.	34.	88.2

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

EPA Water Quality Criteria Analysis for Station: ALPO0229

				Total	Exceed	Prop.	----------8/01-10/31----------			----------11/01-3/31----------			----------4/01-7/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	6	0	0.00	2	0	0.00				4	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	13	0	0.00	3	0	0.00	3	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	13	12	0.92	3	3	1.00	3	2	0.67	7	7	1.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	1	0	0.00				3	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	12	0	0.00	3	0	0.00	2	0	0.00	7	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	13	11	0.85	3	3	1.00	3	2	0.67	7	6	0.86			
01092	ZINC, TOTAL	Fresh Acute	120.	5	5	1.00	1	1	1.00				4	4	1.00			
		Drinking Water	5000.	5	0	0.00	1	0	0.00				4	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	11	1	0.09	3	0	0.00	2	0	0.00	6	1	0.17			

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

Station Inventory for Station: ALPO0230

NPS Station ID: ALPO0230 LAT/LON: 40.331171/ -78.747281 Agency: 11NPSWRD Date Created: 10/17/98
Location: SOUTH FORK LITTLE CONEMAUGH RIVER SF-49 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_LC_SF-49
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BEAVERDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE SOUTH FORK OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0230

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/93-05/24/94	2	18.25	18.25	18.7	17.8	0.405	0.636	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/12/93-07/12/93	1	9244.	9244.	9244.	9244.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/12/93-05/24/94	2	641.5	641.5	973.	310.	219784.5	468.812	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/12/93-05/24/94	2	791.	791.	1105.	477.	197192.	444.063	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/12/93-05/24/94	2	3.7	3.7	4.	3.4	0.18	0.424	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/12/93-05/24/94	2	3.604	3.604	4.	3.4	0.199	0.446	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/12/93-05/24/94	2	249.054	249.054	398.107	100.	44433.943	210.794	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/12/93-05/24/94	2	4.75	4.75	5.2	4.3	0.405	0.636	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/12/93-05/24/94	2	4.55	4.55	5.2	4.3	0.485	0.697	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/12/93-05/24/94	2	28.214	28.214	50.119	6.31	959.621	30.978	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/93-05/24/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/12/93-05/24/94	2	115.	115.	176.	54.	7442.	86.267	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/12/93-05/24/94	2	501.5	501.5	722.	281.	97240.5	311.834	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/12/93-05/24/94	2	13.5	13.5	19.	8.	60.5	7.778	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/12/93-05/24/94	2	11.	11.	16.	6.	50.	7.071	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/12/93-05/24/94	2	6.25	6.25	9.4	3.1	19.845	4.455	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/12/93-05/24/94	2	6.25	6.25	9.4	3.1	19.845	4.455	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/12/93-05/24/94	2	11.5	11.5	17.	6.	60.5	7.778	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/12/93-05/24/94	2	684.	684.	1036.	332.	247808.	497.803	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/12/93-05/24/94	2	428.5	428.5	649.	208.	97240.5	311.834	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0230

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0231

NPS Station ID: ALPO0231
LAT/LON: 40.329170/ -78.747782
Agency: 1114O100
Date Created: / /
Location: OTTO RUN NEAR MOUTH
FIPS State/County: 42031 PENNSYLVANIA/CLARION
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 415291
RMI-Indexes: 1021500 007720 21670 0500 1430 0280
Within Park Boundary: No
RMI-Miles: 0953.80 0981.00 030.20 078.20 004.40 001.00
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05010007001010.07
RF3 Mile Point: 10.77
Distance from RF3: 0.04
On/Off RF3:
Description:
STATION LOCATED ON OTTO RUN JUST ABOVE ITS MOUTH TO LITTLE CONEMAUGH R. 1968 WFO-REGION III AND DER OF PENNSYLVANIA STUDY BY SCOTT MCPHILLIAMY.
EBENSBURG. PA. 15 MIN QUAD MAP 4019450 07844520

Parameter Inventory for Station: ALPO0231

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: ALPO0232

NPS Station ID: ALPO0232
LAT/LON: 40.378060/ -78.752448
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT24
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_UT24
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE NANTY GLO PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0232

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/93-06/17/93	1	15.7	15.7	15.7	15.7	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/17/93-06/17/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/17/93-06/17/93	1	170.	170.	170.	170.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/17/93-06/17/93	1	226.	226.	226.	226.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/17/93-06/17/93	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/17/93-06/17/93	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/93-06/17/93	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/17/93-06/17/93	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/17/93-06/17/93	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/93-06/17/93	1	0.398	0.398	0.398	0.398	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/17/93-06/17/93	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/17/93-06/17/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/17/93-06/17/93	1	32.	32.	32.	32.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/17/93-06/17/93	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/17/93-06/17/93	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/17/93-06/17/93	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/17/93-06/17/93	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/17/93-06/17/93	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/17/93-06/17/93	1	113.3	113.3	113.3	113.3	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/17/93-06/17/93	1	114.	114.	114.	114.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0232

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0233

NPS Station ID: ALPO0233 LAT/LON: 40.333781/ -78.756671 Agency: 11NPSWRD Date Created: 01/31/98
Location: S FORK L. CONEMAUGH ABOVE LAUREL RUN CONFLUENCE FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_JC_SITE_3A
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN-PA CAMBRIA COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE SITE WAS ON THE SOUTH FORK LITTLE CONEMAUGH RIVER AND WAS OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL. THE DATA WERE COLLECTED FROM UPSTREAM OF THE CONFLUENCE WITH LAUREL RUN. THE STREAM WAS SAMPLED FOR METALS; NITRATE AND PHOSPHATE SPECIES; ACIDITY/ALKALINITY. THE LOCATION WAS SAMPLED FOR PRELIMINARY DATA TO A STUDY THAT SUBSEQUENTLY WAS NOT WRITTEN. THE DATA IS ON FILE AT PARK HEADQUARTERS. FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT JOHNSTOWN FLOOD NATIONAL MEMORIAL; PO BOX 189; CRESSON PA 16630 (TEL. 814-886-6100). DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0233

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/86-06/02/87	5	11.	12.4	17.	10.	9.3	3.05	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/25/86-06/02/87	5	626.	656.6	962.	464.	41419.8	203.519	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/05/87-06/02/87	2	11.1	11.1	12.2	10.	2.42	1.556	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	05/05/87-06/02/87	2	106.5	106.5	110.	103.	24.5	4.95	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/25/86-06/02/87	5	3.5	3.57	4.1	3.09	0.145	0.381	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/25/86-06/02/87	5	3.5	3.448	4.1	3.09	0.164	0.405	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/86-06/02/87	5	316.228	356.076	812.831	79.433	80435.609	283.612	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	11/18/86-06/02/87	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	06/25/86-06/02/87	4	82.	82.	100.	64.	282.667	16.813	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/86-06/02/87	5	0.13	0.143	0.271	0.06	0.006	0.078	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/25/86-06/25/86	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/25/86-06/02/87	5	0.49	0.489	1.	0.024	0.121	0.348	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/21/86-06/02/87	3	264.	250.	382.	104.	19468.	139.528	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/25/86-06/02/87	4	41.	40.95	60.	21.8	259.877	16.121	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/21/86-06/02/87	3	23.1	20.767	38.	1.2	342.643	18.511	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/86-06/02/87	5	167.	191.2	330.	35.	12846.7	113.343	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/25/86-06/02/87	4	9893.	11423.	18700.	7206.	26459638.667	5143.893	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/25/86-06/02/87	5	3701.	2889.6	4385.	350.	2817152.3	1678.437	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/25/86-06/25/86	1	850.	850.	850.	850.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/25/86-06/02/87	5	8530.	8371.6	9810.	6020.	2010782.8	1418.021	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/25/86-06/02/87	5	0.019	0.015	0.031	0.	0.	0.013	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	06/25/86-06/02/87	5	87.	87.2	141.	44.	1748.2	41.811	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/18/86-06/02/87	3	9.4	11.	16.	7.6	19.56	4.423	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0233

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00	1	1	1.00	1	1	1.00	3	3	1.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	5	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	2	0.40	1	0	0.00	1	0	0.00	3	2	0.67			
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			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	3	0	0.00				1	0	0.00	2	0	0.00			

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

Station Inventory for Station: ALPO0234

NPS Station ID: ALPO0234
LAT/LON: 40.373948/ -78.757059
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LAUREL RUN LA-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_LA-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT LAUREL RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/94-08/10/94	1	16.9	16.9	16.9	16.9	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/10/94-08/10/94	1	295.	295.	295.	295.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/94-08/10/94	1	295.	295.	295.	295.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/10/94-08/10/94	1	252.	252.	252.	252.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/10/94-08/10/94	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/10/94-08/10/94	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/10/94-08/10/94	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/10/94-08/10/94	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/10/94-08/10/94	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/10/94-08/10/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/94-08/10/94	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/10/94-08/10/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/94-08/10/94	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/10/94-08/10/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/10/94-08/10/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/10/94-08/10/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/10/94-08/10/94	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/10/94-08/10/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/10/94-08/10/94	1	166.	166.	166.	166.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/10/94-08/10/94	1	198.	198.	198.	198.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0234

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0235

NPS Station ID: ALPO0235 | LAT/LON: 40.334115/ -78.757198 | Agency: 11NPSWRD | Date Created: 01/31/98
Location: LAUREL RUN AT 5TH STREET IN CRESLO | FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): JOFL_JC_SITE_3
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 05010007 | Depth of Water: 0 | Aquifer:
Major Basin: OHIO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: ALLEGHENY RIVER | ECO Region:
RF1 Index: 05010007 | RF1 Mile Point: 0.000 | Distance from RF1: 18.20 | On/Off RF1:
RF3 Index: 02050303019600.00 | RF3 Mile Point: 1.33 | Distance from RF3: 0.38 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN-PA CAMBRIA COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE SITE WAS ON A TRIBUTARY TO THE SOUTH FORK LITTLE CONEMAUGH RIVER AND OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL. THE DATA WERE COLLECTED FROM LAUREL RUN NEAR THE MOUTH OF THE SOUTH FORK LITTLE CONEMAUGH RIVER AT FIFTH STREET IN CRESLO. THE STREAM WAS SAMPLED FOR METALS; NITRATE AND PHOSPHATE SPECIES; AND ACIDITY/ALKALINITY. THE LOCATION WAS SAMPLED FOR PRELIMINARY DATA TO A STUDY THAT SUBSEQUENTLY WAS NOT WRITTEN. THE DATA IS ON FILE AT PARK HEADQUARTERS. FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT JOHNSTOWN FLOOD NATIONAL MEMORIAL; PO BOX 189; CRESSON PA 16630 (TEL. 814-886-6100). DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0235

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/86-07/07/87	12	15.6	13.625	20.5	0.	42.113	6.489	1.8	8.25	18.75	20.35
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/07/86-07/07/87	12	188.	208.5	300.	93.	4554.636	67.488	110.7	161.	287.25	297.3
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/86-07/07/87	6	10.05	10.533	12.8	8.5	2.983	1.727	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/22/86-07/07/87	6	104.6	102.6	108.	92.4	35.728	5.977	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/07/87-07/07/87	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/07/87-07/07/87	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/07/87-07/07/87	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/07/86-07/07/87	13	6.7	6.608	7.58	4.41	0.736	0.858	4.926	6.2	7.295	7.488
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/07/86-07/07/87	13	6.7	5.478	7.58	4.41	2.121	1.457	4.926	6.2	7.295	7.488
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/07/86-07/07/87	13	0.2	3.329	38.905	0.026	114.54	10.702	0.034	0.051	0.635	24.141
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	05/29/86-07/07/87	12	42.	73.333	387.	14.	10307.697	101.527	14.9	25.25	70.75	297.9
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	05/29/86-07/07/87	12	8.	8.167	15.	3.	19.424	4.407	3.	4.	12.	14.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/07/86-07/07/87	12	0.065	0.076	0.278	0.	0.005	0.072	0.004	0.039	0.092	0.225
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/29/86-08/18/86	4 ##	0.025	0.05	0.125	0.025	0.003	0.05	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/07/86-07/07/87	12	0.29	0.434	1.27	0.15	0.113	0.336	0.159	0.198	0.644	1.135
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/23/86-07/07/87	7	72.	85.429	137.	40.	1909.952	43.703	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/29/86-07/07/87	11	21.	23.182	44.9	5.4	121.864	11.039	7.1	14.9	33.	42.72
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/23/86-07/07/87	7	5.1	5.071	9.1	1.3	8.322	2.885	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/07/86-07/07/87	13	27.	33.923	59.	22.	180.077	13.419	22.4	24.	44.	58.6
01045	IRON, TOTAL (UG/L AS FE)	05/07/86-07/07/87	12	224.5	2143.75	21600.	104.	37736396.568	6142.996	108.8	155.75	458.25	15636.
01055	MANGANESE, TOTAL (UG/L AS MN)	05/29/86-07/07/87	12	143.	157.45	358.	16.1	16531.679	128.576	19.37	32.825	272.25	355.6
01092	ZINC, TOTAL (UG/L AS ZN)	05/07/86-08/18/86	5	30.	36.4	70.	14.	481.3	21.939	**	**	**	**

** - Less than 9 observations ## - 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: ALPO0235

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/07/86-07/07/87	13	183.	420.769	1136.	25.	168469.192	410.45	32.2	125.	751.5	1131.2
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/07/86-07/07/87	12	0.006	0.012	0.078	0.	0.	0.022	0.	0.	0.013	0.061
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	05/07/86-07/07/87	12	-32.	-40.25	-6.	-85.	594.932	24.391	-8.1	-22.25	-61.5	-81.1
81319	COD, FIELD MG/L	07/22/86-08/18/86	2	2.6	2.6	3.1	2.1	0.5	0.707	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/29/86-07/07/87	11	3.5	12.618	100.	1.2	846.926	29.102	1.26	1.5	8.	81.88

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

EPA Water Quality Criteria Analysis for Station: ALPO0235

				Total	Exceed	Prop.	----------8/01-10/31----------			----------11/01-3/31----------			----------4/01-7/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	6	0	0.00	2	0	0.00				4	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	13	0	0.00	3	0	0.00	3	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	13	4	0.31	3	2	0.67	3	1	0.33	7	1	0.14			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	1	0	0.00				3	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	12	0	0.00	3	0	0.00	2	0	0.00	7	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	13	0	0.00	3	0	0.00	3	0	0.00	7	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	1	0	0.00				4	0	0.00			
		Drinking Water	5000.	5	0	0.00	1	0	0.00				4	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	11	1	0.09	3	0	0.00	2	0	0.00	6	1	0.17			

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

Station Inventory for Station: ALPO0236

NPS Station ID: ALPO0236 LAT/LON: 40.333365/ -78.764670 Agency: 11NPSWRD Date Created: 10/17/98
Location: SOUTH FORK LITTLE CONEMAUGH RIVER SF-52 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_LC_SF-52
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE SOUTH FORK OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0236

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-08/16/93	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/16/93-08/16/93	1	54.	54.	54.	54.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-08/16/93	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-08/16/93	1	340.	340.	340.	340.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/16/93-08/16/93	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/16/93-08/16/93	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-08/16/93	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/16/93-08/16/93	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/16/93-08/16/93	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-08/16/93	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	1	124.	124.	124.	124.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-08/16/93	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/16/93-08/16/93	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-08/16/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-08/16/93	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-08/16/93	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-08/16/93	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-08/16/93	1	248.	248.	248.	248.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-08/16/93	1	133.	133.	133.	133.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0236

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0237

NPS Station ID: ALPO0237
LAT/LON: 40.335281/ -78.768253
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TOPPER RUN TO-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_TO-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT TOPPER RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0237

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-08/16/93	1	15.8	15.8	15.8	15.8	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/16/93-08/16/93	1	4150.	4150.	4150.	4150.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-08/16/93	1	1600.	1600.	1600.	1600.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-08/16/93	1	2020.	2020.	2020.	2020.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/16/93-08/16/93	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/16/93-08/16/93	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-08/16/93	1	2.512	2.512	2.512	2.512	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/16/93-08/16/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/16/93-08/16/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-08/16/93	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	1	294.	294.	294.	294.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-08/16/93	1	1380.	1380.	1380.	1380.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/16/93-08/16/93	1	164.	164.	164.	164.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-08/16/93	1	162.	162.	162.	162.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-08/16/93	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-08/16/93	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-08/16/93	1	4.	4.	4.	4.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-08/16/93	1	2488.	2488.	2488.	2488.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-08/16/93	1	1072.	1072.	1072.	1072.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0237

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0238

NPS Station ID: ALPO0238 LAT/LON: 40.334976/ -78.768226 Agency: 11NPSWRD Date Created: 01/31/98
Location: S FORK L. CONEMAUGH TRIB AT ST. MICHAEL FIREHALL FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_JC_SITE_2
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN-PA CAMBRIA COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE SITE WAS ON A TRIBUTARY TO THE SOUTH FORK LITTLE CONEMAUGH RIVER AND OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL. THE DATA WERE COLLECTED FROM A TRIBUTARY IN ST. MICHAEL NEAR THE FIRE HALL. THIS UNNAMED TRIBUTARY DRAINS AN ABANDONED UNDERGROUND MINE. THE STREAM WAS SAMPLED FOR METALS; NITRATE AND PHOSPHATE SPECIES; AND ACIDITY/ALKALINITY. THE LOCATION WAS SAMPLED FOR PRELIMINARY DATA TO A STUDY THAT SUBSEQUENTLY WAS NOT WRITTEN. THE DATA IS ON FILE AT PARK HEADQUARTERS. FOR MORE INFORMATION CONTACT CHIEF OF RESOURCES AT JOHNSTOWN FLOOD NATIONAL MEMORIAL; PO BOX 189; CRESSON PA 16630 (TEL. 814-886-6100). DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0238

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/86-07/07/87	12	15.	14.6	18.	10.2	6.875	2.622	10.44	12.25	16.75	18.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/07/86-07/07/87	12	1860.5	1773.833	2102.	935.	98717.97	314.194	1134.5	1634.5	1993.25	2087.3
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/86-05/05/87	4	9.4	9.625	10.6	9.1	0.442	0.665	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/22/86-05/05/87	4	95.2	93.775	98.	86.7	24.416	4.941	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/07/87-07/07/87	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/07/87-07/07/87	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/07/87-07/07/87	1	1.585	1.585	1.585	1.585	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/07/86-07/07/87	13	4.75	4.882	5.7	4.48	0.109	0.33	4.528	4.64	5.075	5.5
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/07/86-07/07/87	13	4.75	4.793	5.7	4.48	0.118	0.343	4.528	4.64	5.075	5.5
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/07/86-07/07/87	13	17.783	16.098	33.113	1.995	79.697	8.927	3.721	8.54	22.915	29.915
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	05/29/86-07/07/87	12	9.	18.5	75.	0.	631.909	25.138	0.9	4.75	13.75	72.9
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	05/29/86-07/07/87	12	422.	393.75	507.	143.	9578.386	97.869	193.1	337.5	453.75	497.7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/07/86-07/07/87	12	2.505	2.347	3.3	0.43	0.617	0.786	0.802	1.885	2.853	3.288
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/29/86-08/18/86	4 ##	0.025	0.05	0.125	0.025	0.003	0.05	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/07/86-07/07/87	12	0.15	0.228	0.638	0.047	0.033	0.181	0.048	0.125	0.373	0.582
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/23/86-07/07/87	7	1246.	1092.143	1484.	556.	150323.81	387.716	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/29/86-07/07/87	11	228.	218.555	251.	120.8	1309.355	36.185	136.04	205.5	237.	250.4
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/23/86-07/07/87	7	94.	79.871	127.	3.2	1963.629	44.313	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/07/86-07/07/87	13	1268.	1192.538	1500.	457.	78849.436	280.801	617.8	1108.	1378.	1493.6
01045	IRON, TOTAL (UG/L AS FE)	05/29/86-07/07/87	11	177000.	146655.091	234500.	24806.	5233040005.091	72339.754	28464.8	60200.	195500.	227200.
01055	MANGANESE, TOTAL (UG/L AS MN)	05/29/86-07/07/87	12	6357.25	5935.708	10200.	432.	5990288.839	2447.507	1056.	5637.5	7072.5	9306.
01092	ZINC, TOTAL (UG/L AS ZN)	05/07/86-08/18/86	5	318.	404.6	620.	300.	19522.8	139.724	**	**	**	**

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

Parameter Inventory for Station: ALPO0238

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/07/86-07/07/87	13	6170.	6087.538	8390.	1076.	3209603.436	1791.537	2565.6	5835.	7165.	8246.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/07/86-07/07/87	12	0.008	0.014	0.069	0.003	0.	0.018	0.003	0.005	0.017	0.055
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	05/07/86-07/07/87	12	398.5	406.417	685.	180.	18441.902	135.801	194.1	326.25	506.5	635.2
81319	COD, FIELD MG/L	07/22/86-08/18/86	2	32.95	32.95	36.9	29.	31.205	5.586	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/29/86-07/07/87	11	8.5	16.091	100.	4.	778.555	27.903	4.34	6.	9.7	82.2

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

EPA Water Quality Criteria Analysis for Station: ALPO0238

				Total	Exceed	Prop.	----------8/01-10/31----------			----------11/01-3/31----------			----------4/01-7/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	2	0	0.00				2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	13	0	0.00	3	0	0.00	3	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	13	13	1.00	3	3	1.00	3	3	1.00	7	7	1.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	1	0	0.00				3	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	12	0	0.00	3	0	0.00	2	0	0.00	7	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	13	13	1.00	3	3	1.00	3	3	1.00	7	7	1.00			
01092	ZINC, TOTAL	Fresh Acute	120.	5	5	1.00	1	1	1.00				4	4	1.00			
		Drinking Water	5000.	5	0	0.00	1	0	0.00				4	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	11	1	0.09	3	0	0.00	2	0	0.00	6	1	0.17			

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

Station Inventory for Station: ALPO0239

NPS Station ID: ALPO0239 LAT/LON: 40.334892/ -78.768226 Agency: 11NPSWRD Date Created: 01/10/98
Location: L. CONEMAUGH TRIB. ST. MICHAEL'S FIRE STATION FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_SS_TLC
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN-PA CAMBRIA COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ON A TRIBUTARY TO THE LITTLE CONEMAUGH RIVER AND IS OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL. THE DATA ARE COLLECTED FROM A TRIBUTARY IN ST. MICHAEL WHICH HAS A WHITE SEDIMENT COATING THE STREAM BOTTOM. THE SAMPLING WAS AT ROUTE 86 NEAR THE ST. MICHAEL'S FIRE STATION. THE STREAM WAS SAMPLED FOR DISCHARGES THAT MIGHT INCLUDE SEWAGE AND ACID MINE DRAINAGE. ONE SAMPLE INCLUDED SOME SEDIMENT. AT THE TIME OF SAMPLING THERE WAS A STRONG HYDROGEN SULFIDE ODOR NEAR THE WATER. THERE IS DEEP MINE DISCHARGE INTO THIS TRIBUTARY. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT JOHNSTOWN FLOOD NATIONAL MEMORIAL; PO BOX 189; CRESSON PA 16630 (TEL. 814-886-6100). DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0239

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/93-08/30/93	1	2090.	2090.	2090.	2090.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/30/93-08/30/93	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/30/93-08/30/93	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/30/93-08/30/93	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/30/93-08/30/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/30/93-08/30/93	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/30/93-08/30/93	1	2426.	2426.	2426.	2426.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/30/93-08/30/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/30/93-08/30/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/30/93-08/30/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/30/93-08/30/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/30/93-08/30/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/30/93-08/30/93	1	1186.	1186.	1186.	1186.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/30/93-08/30/93	1	237.	237.	237.	237.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/30/93-08/30/93	1	91.	91.	91.	91.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/30/93-08/30/93	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/30/93-08/30/93	1	1048.	1048.	1048.	1048.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/30/93-08/30/93	1	163000.	163000.	163000.	163000.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/30/93-08/30/93	1	5370.	5370.	5370.	5370.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/30/93-08/30/93	1	3540.	3540.	3540.	3540.	0.	0.	**	**	**	**
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	08/31/93-08/31/93	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	08/31/93-08/31/93	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: ALPO0239

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1.								
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	08/30/93-08/30/93	1	330.	330.	330.	330.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0239

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00	1	1	1.00									
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0240

NPS Station ID: ALPO0240
LAT/LON: 40.332448/ -78.769142
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TOPER RUN TO-04
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_TO-04
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG TOPPER RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0240

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-05/17/95	4	15.4	15.375	16.7	14.	2.176	1.475	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/16/93-05/17/95	4	36.5	34.75	55.	11.	328.25	18.118	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-05/17/95	4	900.	860.	1620.	20.	755466.667	869.176	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-05/17/95	4	2035.	2027.75	2083.	1958.	2690.917	51.874	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/24/94-05/17/95	2	0.45	0.45	0.6	0.3	0.045	0.212	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/16/93-05/17/95	4	5.5	5.5	5.6	5.4	0.007	0.082	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/16/93-05/17/95	4	5.5	5.494	5.6	5.4	0.007	0.082	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-05/17/95	4	3.162	3.204	3.981	2.512	0.362	0.602	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/16/93-05/17/95	4	5.4	5.2	5.6	4.4	0.3	0.548	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/16/93-05/17/95	4	5.389	4.899	5.6	4.4	0.421	0.649	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-05/17/95	4	4.087	12.624	39.811	2.512	329.614	18.155	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-05/17/95	4	30.	29.5	32.	26.	6.333	2.517	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-05/17/95	4	319.	320.	338.	304.	210.667	14.514	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-05/17/95	4	1498.5	1495.75	1566.	1420.	4104.25	64.064	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/16/93-05/17/95	4	164.	158.5	168.	138.	193.	13.892	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-05/17/95	4	156.	154.	166.	138.	168.667	12.987	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-05/17/95	4	5.1	5.15	5.8	4.6	0.25	0.5	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-05/17/95	4	4.9	5.05	5.8	4.6	0.33	0.574	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-05/17/95	4	1.	1.	1.	1.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-05/17/95	4	2486.	2473.5	2620.	2302.	19625.	140.089	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-05/17/95	4	1078.5	877.5	1340.	13.	347384.333	589.393	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0240

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	2	1.00							2	2	1.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00				3	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00				3	3	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	1	0	0.00				3	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00				3	3	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00	1	1	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: ALPO0241

NPS Station ID: ALPO0241
LAT/LON: 40.331921/ -78.769448
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TOPPER RUN TO-05
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_TO-05
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT TOPPER RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0241

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-08/16/93	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/16/93-08/16/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-08/16/93	1	2100.	2100.	2100.	2100.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-08/16/93	1	3388.	3388.	3388.	3388.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/16/93-08/16/93	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/16/93-08/16/93	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/16/93-08/16/93	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-08/16/93	1	251.189	251.189	251.189	251.189	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/16/93-08/16/93	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/16/93-08/16/93	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-08/16/93	1	501.187	501.187	501.187	501.187	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	1	1426.	1426.	1426.	1426.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-08/16/93	1	3270.	3270.	3270.	3270.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/16/93-08/16/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-08/16/93	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-08/16/93	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-08/16/93	1	19.7	19.7	19.7	19.7	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-08/16/93	1	271.	271.	271.	271.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-08/16/93	1	6084.	6084.	6084.	6084.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-08/16/93	1	1407.	1407.	1407.	1407.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0241

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0242

NPS Station ID: ALPO0242
LAT/LON: 40.331781/ -78.769977
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TOPPER RUN TO-07
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_TO-07
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE TOPPER RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0242

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-09/24/94	3	15.9	15.8	17.1	14.4	1.83	1.353	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/16/93-09/24/94	3	3400.	3334.333	4100.	2503.	640836.333	800.523	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-09/24/94	3	1710.	1790.	2000.	1660.	33700.	183.576	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-09/24/94	3	2057.	2047.	2115.	1969.	5404.	73.512	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/16/93-08/16/93	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/16/93-09/24/94	3	5.5	5.4	5.5	5.2	0.03	0.173	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/16/93-09/24/94	3	5.5	5.376	5.5	5.2	0.031	0.176	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-09/24/94	3	3.162	4.211	6.31	3.162	3.302	1.817	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/16/93-09/24/94	3	4.6	4.667	5.4	4.	0.493	0.702	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/16/93-09/24/94	3	4.6	4.366	5.4	4.	0.629	0.793	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-09/24/94	3	25.119	43.033	100.	3.981	2545.604	50.454	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-09/24/94	3	26.	22.333	26.	15.	40.333	6.351	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-09/24/94	3	338.	338.667	344.	334.	25.333	5.033	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-09/24/94	3	1541.	1603.667	1810.	1460.	33570.333	183.222	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/16/93-06/20/94	2	168.	168.	174.	162.	72.	8.485	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-09/24/94	3	161.	160.333	174.	146.	196.333	14.012	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-06/20/94	2	5.2	5.2	5.6	4.8	0.32	0.566	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-09/24/94	3	4.9	5.1	5.6	4.8	0.19	0.436	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-06/20/94	2	2.5	2.5	4.	1.	4.5	2.121	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-09/24/94	3	2692.	3330.667	4964.	2336.	2032517.333	1425.664	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-09/24/94	3	1146.	1186.	1300.	1112.	10036.	100.18	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0242

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00	1	1	1.00									
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00	2	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	2	2	1.00				1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	2	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	2	2	1.00				1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0243

NPS Station ID: ALPO0243 LAT/LON: 40.338477/ -78.770088 Agency: 11NPSWRD Date Created: 10/17/98
Location: SOUTH FORK LITTLE CONEMAUGH RIVER SF-53 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_LC_SF-53
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE SOUTH FORK OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0243

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-08/16/93	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/16/93-08/16/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-08/16/93	1	190.	190.	190.	190.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-08/16/93	1	228.	228.	228.	228.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/16/93-08/16/93	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/16/93-08/16/93	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-08/16/93	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/16/93-08/16/93	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/16/93-08/16/93	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-08/16/93	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	1	92.	92.	92.	92.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-08/16/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/16/93-08/16/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-08/16/93	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-08/16/93	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-08/16/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-08/16/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-08/16/93	1	170.	170.	170.	170.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-08/16/93	1	127.	127.	127.	127.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0243

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0244

NPS Station ID: ALPO0244
LAT/LON: 40.331921/ -78.770448
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TOPPER RUN TO-08
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_TO-08
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE TOPPER RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0244

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/20/94-09/23/94	2	16.35	16.35	16.4	16.3	0.005	0.071	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/20/94-09/23/94	2	453.5	453.5	905.	2.	407704.5	638.517	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/20/94-09/23/94	2	817.	817.	1605.	29.	1241888.	1114.4	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/20/94-09/23/94	2	2430.	2430.	2905.	1955.	451250.	671.751	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/23/94-09/23/94	1	19.7	19.7	19.7	19.7	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/20/94-09/23/94	2	4.65	4.65	5.4	3.9	1.125	1.061	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/20/94-09/23/94	2	4.188	4.188	5.4	3.9	1.553	1.246	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/20/94-09/23/94	2	64.937	64.937	125.893	3.981	7431.203	86.204	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/20/94-09/23/94	2	4.	4.	5.5	2.5	4.5	2.121	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/20/94-09/23/94	2	2.801	2.801	5.5	2.5	7.377	2.716	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/20/94-09/23/94	2	1582.72	1582.72	3162.278	3.162	4990005.	2233.832	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/20/94-09/23/94	2	13.	13.	26.	0.	338.	18.385	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/20/94-09/23/94	2	750.	750.	1172.	328.	356168.	596.798	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/20/94-09/23/94	2	3341.5	3341.5	5151.	1532.	6548580.5	2559.019	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/20/94-09/23/94	2	78.8	78.8	157.	0.6	12230.48	110.592	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/20/94-09/23/94	2	78.75	78.75	157.	0.5	12246.125	110.662	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/20/94-09/23/94	2	10.7	10.7	16.7	4.7	72.	8.485	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/20/94-09/23/94	2	9.95	9.95	15.2	4.7	55.125	7.425	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/20/94-09/23/94	2	103.	103.	205.	1.	20808.	144.25	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/20/94-09/23/94	2	3206.	3206.	4028.	2384.	1351368.	1162.484	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/20/94-09/23/94	2	547.	547.	1075.	19.	557568.	746.705	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0244

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00	1	1	1.00				1	1	1.00			

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

Station Inventory for Station: ALPO0245

NPS Station ID: ALPO0245
LAT/LON: 40.330253/ -78.770976
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TOPPER RUN TO-10
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_TO-10
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT TOPPER RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0245

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/20/94-06/20/94	1	22.6	22.6	22.6	22.6	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/20/94-06/20/94	1	291.	291.	291.	291.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/20/94-06/20/94	1	243.	243.	243.	243.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/20/94-06/20/94	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/20/94-06/20/94	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/20/94-06/20/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/20/94-06/20/94	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/20/94-06/20/94	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/20/94-06/20/94	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/20/94-06/20/94	1	76.	76.	76.	76.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/20/94-06/20/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/20/94-06/20/94	1	31.	31.	31.	31.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/20/94-06/20/94	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/20/94-06/20/94	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/20/94-06/20/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/20/94-06/20/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/20/94-06/20/94	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/20/94-06/20/94	1	150.	150.	150.	150.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/20/94-06/20/94	1	195.	195.	195.	195.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0245

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0246

NPS Station ID: ALPO0246
LAT/LON: 40.374559/ -78.771281
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-64
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-64
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/94-10/05/94	3	12.8	14.233	18.	11.9	10.843	3.293	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/26/94-10/05/94	3	451.	475.	579.	395.	8896.	94.319	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/94-10/05/94	3	1018.	1059.667	1361.	800.	79982.333	282.811	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/94-10/05/94	3	1062.	1096.	1164.	1062.	3468.	58.89	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/26/94-10/05/94	2	7.25	7.25	8.3	6.2	2.205	1.485	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/26/94-10/05/94	3	6.	6.167	6.5	6.	0.083	0.289	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/26/94-10/05/94	3	6.	6.112	6.5	6.	0.088	0.296	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/94-10/05/94	3	1.	0.772	1.	0.316	0.156	0.395	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/26/94-10/05/94	3	6.5	6.267	6.5	5.8	0.163	0.404	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/26/94-10/05/94	3	6.5	6.131	6.5	5.8	0.191	0.437	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/94-10/05/94	3	0.316	0.739	1.585	0.316	0.537	0.732	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/94-10/05/94	3	46.	43.333	46.	38.	21.333	4.619	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/94-10/05/94	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/94-10/05/94	3	592.	561.333	592.	500.	2821.333	53.116	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/26/94-10/05/94	3	3.	3.333	4.	3.	0.333	0.577	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/26/94-10/05/94	3	0.3	235.2	705.	0.3	165534.03	406.859	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/94-10/05/94	3	0.4	0.467	0.6	0.4	0.013	0.115	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/26/94-10/05/94	3	0.3	0.367	0.5	0.3	0.013	0.115	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/94-10/05/94	3	2.	1.667	2.	1.	0.333	0.577	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/26/94-10/05/94	3	1062.	1061.333	1062.	1060.	1.333	1.155	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/26/94-10/05/94	3	682.	709.667	911.	536.	35730.333	189.025	**	**	**	**

** - 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: ALPO0246

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00				1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00	2	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	2	2	1.00				1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	2	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	2	2	1.00				1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0247

NPS Station ID: ALPO0247
LAT/LON: 40.329281/ -78.771920
Agency: 11NPSWRD
Date Created: 10/17/98
Location: TOPPER RUN TO-11
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_TO-11
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT TOPPER RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0247

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/20/94-06/20/94	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/20/94-06/20/94	1	246.	246.	246.	246.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/20/94-06/20/94	1	292.	292.	292.	292.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/20/94-06/20/94	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/20/94-06/20/94	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/20/94-06/20/94	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/20/94-06/20/94	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/20/94-06/20/94	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/20/94-06/20/94	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/20/94-06/20/94	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/20/94-06/20/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/20/94-06/20/94	1	71.	71.	71.	71.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/20/94-06/20/94	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/20/94-06/20/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/20/94-06/20/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/20/94-06/20/94	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/20/94-06/20/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	06/20/94-06/20/94	1	232.	232.	232.	232.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	06/20/94-06/20/94	1	165.	165.	165.	165.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0247

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0248

NPS Station ID: ALPO0248
LAT/LON: 40.367976/ -78.773198
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-62
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-62
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/21/93-06/09/94	2	8.6	8.6	12.2	5.	25.92	5.091	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	12/21/93-06/09/94	2	4.5	4.5	8.	1.	24.5	4.95	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/21/93-06/09/94	2	1238.	1238.	1458.	1018.	96800.	311.127	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/21/93-06/09/94	2	1814.5	1814.5	1821.	1808.	84.5	9.192	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/21/93-12/21/93	1	11.2	11.2	11.2	11.2	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/21/93-06/09/94	2	7.4	7.4	7.6	7.2	0.08	0.283	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/21/93-06/09/94	2	7.355	7.355	7.6	7.2	0.084	0.29	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/21/93-06/09/94	2	0.044	0.044	0.063	0.025	0.001	0.027	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/09/94-06/09/94	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/09/94-06/09/94	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/09/94-06/09/94	1	12.589	12.589	12.589	12.589	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/21/93-06/09/94	2	144.	144.	148.	140.	32.	5.657	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/21/93-06/09/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/21/93-06/09/94	2	1069.5	1069.5	1161.	978.	16744.5	129.401	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	12/21/93-06/09/94	2	7.25	7.25	14.	0.5	91.125	9.546	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	12/21/93-06/09/94	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	12/21/93-06/09/94	2	1.05	1.05	1.9	0.2	1.445	1.202	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/21/93-06/09/94	2	0.065	0.065	0.1	0.03	0.002	0.049	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	12/21/93-06/09/94	2	5.75	5.75	11.	0.5	55.125	7.425	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	12/21/93-06/09/94	2	1922.	1922.	2158.	1686.	111392.	333.754	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	12/21/93-06/09/94	2	829.5	829.5	977.	682.	43512.5	208.597	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0248

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00				1	0	0.00	1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00				1	1	1.00	1	1	1.00			

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

Station Inventory for Station: ALPO0249

NPS Station ID: ALPO0249 LAT/LON: 40.340281/ -78.773060 Agency: 11NPSWRD Date Created: 10/17/98
Location: SOUTH FORK LITTLE CONEMAUGH RIVER SF-57 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_LC_SF-57
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE SOUTH FORK OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0249

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-08/16/93	1	21.7	21.7	21.7	21.7	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/16/93-08/16/93	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-08/16/93	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-08/16/93	1	162.	162.	162.	162.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/16/93-08/16/93	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/16/93-08/16/93	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-08/16/93	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/16/93-08/16/93	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/16/93-08/16/93	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-08/16/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-08/16/93	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/16/93-08/16/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-08/16/93	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-08/16/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-08/16/93	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-08/16/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-08/16/93	1	130.	130.	130.	130.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-08/16/93	1	80.	80.	80.	80.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0249

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0250

NPS Station ID: ALPO0250
LAT/LON: 40.367448/ -78.773392
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-58
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-58
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0250

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/21/93-12/21/93	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	12/21/93-12/21/93	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/21/93-12/21/93	1	769.	769.	769.	769.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/21/93-12/21/93	1	1854.	1854.	1854.	1854.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/21/93-12/21/93	1	10.2	10.2	10.2	10.2	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/21/93-12/21/93	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/21/93-12/21/93	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/21/93-12/21/93	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	12/21/93-12/21/93	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	12/21/93-12/21/93	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/21/93-12/21/93	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/21/93-12/21/93	1	178.	178.	178.	178.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/21/93-12/21/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/21/93-12/21/93	1	1165.	1165.	1165.	1165.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	12/21/93-12/21/93	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	12/21/93-12/21/93	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	12/21/93-12/21/93	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/21/93-12/21/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	12/21/93-12/21/93	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	12/21/93-12/21/93	1	1724.	1724.	1724.	1724.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	12/21/93-12/21/93	1	515.	515.	515.	515.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0250

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0251

NPS Station ID: ALPO0251
LAT/LON: 40.367004/ -78.773476
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-59
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-59
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/09/94-06/09/94	1	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	12/21/93-06/09/94	2	1.	1.	1.	1.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/21/93-06/09/94	2	398.5	398.5	458.	339.	7080.5	84.146	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/21/93-06/09/94	2	343.5	343.5	375.	312.	1984.5	44.548	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/21/93-12/21/93	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/21/93-06/09/94	2	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/21/93-06/09/94	2	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/21/93-06/09/94	2	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/09/94-06/09/94	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/09/94-06/09/94	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/09/94-06/09/94	1	501.187	501.187	501.187	501.187	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/21/93-06/09/94	2	239.	239.	240.	238.	2.	1.414	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/21/93-06/09/94	2	16.	16.	32.	0.	512.	22.627	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/21/93-06/09/94	2	28.5	28.5	30.	27.	4.5	2.121	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	12/21/93-06/09/94	2	71.5	71.5	72.	71.	0.5	0.707	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	12/21/93-06/09/94	2	67.5	67.5	70.	65.	12.5	3.536	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/09/94-06/09/94	1	77.	77.	77.	77.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	12/21/93-06/09/94	2	26.7	26.7	26.7	26.7	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/21/93-06/09/94	2	25.3	25.3	26.	24.6	0.98	0.99	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	12/21/93-06/09/94	2	0.2	0.2	0.3	0.1	0.02	0.141	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	12/21/93-06/09/94	2	260.	260.	290.	230.	1800.	42.426	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	12/21/93-06/09/94	2	267.	267.	307.	227.	3200.	56.569	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0251

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00				1	1	1.00						
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00				1	0	0.00	1	0	0.00			

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

Station Inventory for Station: ALPO0252

NPS Station ID: ALPO0252
LAT/LON: 40.367976/ -78.773782
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-63
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-63
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0252

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/21/93-12/21/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	12/21/93-12/21/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/21/93-12/21/93	1	715.	715.	715.	715.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/21/93-12/21/93	1	1294.	1294.	1294.	1294.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/21/93-12/21/93	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/21/93-12/21/93	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/21/93-12/21/93	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/21/93-12/21/93	1	122.	122.	122.	122.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/21/93-12/21/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/21/93-12/21/93	1	758.	758.	758.	758.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	12/21/93-12/21/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	12/21/93-12/21/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	12/21/93-12/21/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/21/93-12/21/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	12/21/93-12/21/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	12/21/93-12/21/93	1	1104.	1104.	1104.	1104.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	12/21/93-12/21/93	1	479.	479.	479.	479.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0252

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0253

NPS Station ID: ALPO0253 LAT/LON: 40.343253/ -78.774643 Agency: 11NPSWRD Date Created: 10/17/98
Location: SOUTH FORK LITTLE CONEMAUGH RIVER SF-59 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_LC_SF-59
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE SOUTH FORK OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0253

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-08/16/93	1	24.9	24.9	24.9	24.9	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/16/93-08/16/93	1	162.	162.	162.	162.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-08/16/93	1	170.	170.	170.	170.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-08/16/93	1	239.	239.	239.	239.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/16/93-08/16/93	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/16/93-08/16/93	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-08/16/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/16/93-08/16/93	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/16/93-08/16/93	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-08/16/93	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	1	84.	84.	84.	84.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-08/16/93	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/16/93-08/16/93	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-08/16/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-08/16/93	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-08/16/93	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-08/16/93	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-08/16/93	1	176.	176.	176.	176.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-08/16/93	1	113.	113.	113.	113.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0253

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0254

NPS Station ID: ALPO0254 LAT/LON: 40.348337/ -78.775116 Agency: 11NPSWRD Date Created: 01/31/98
Location: S. FORK L. CONEMAUGH AT JOHNSTOWN FLOOD MEMORIAL FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_JC_SITE_1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN-PA CAMBRIA COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE SITE WAS ON THE SOUTH FORK LITTLE CONEMAUGH RIVER AND INSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL. THE SAMPLING WAS AT THE DAM SITE. THE STREAM WAS SAMPLED FOR METALS; NITRATE AND PHOSPHATE SPECIES; AND ACIDITY/ALKALINITY. THE LOCATION WAS SAMPLED FOR PRELIMINARY DATA TO A STUDY THAT SUBSEQUENTLY WAS NOT WRITTEN. THE DATA IS ON FILE AT PARK HEADQUARTERS. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT JOHNSTOWN FLOOD NATIONAL MEMORIAL; PO BOX 189; CRESSON PA 16630 (TEL. 814-886-6100). DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0254

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/86-07/07/87	12	15.5	13.792	19.5	1.	30.884	5.557	3.4	9.25	18.	19.35
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/07/86-07/07/87	12	1014.5	1002.75	1468.	113.	157895.114	397.36	247.7	728.	1322.75	1456.9
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/22/86-07/07/87	6	9.4	9.667	11.8	8.6	1.235	1.111	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/22/86-07/07/87	6	98.	96.55	102.	87.3	35.575	5.964	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/07/87-07/07/87	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/07/87-07/07/87	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/07/87-07/07/87	1	2.512	2.512	2.512	2.512	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/07/86-07/07/87	13	4.01	3.975	5.45	3.	0.563	0.75	3.	3.345	4.42	5.282
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/07/86-07/07/87	13	4.01	3.547	5.45	3.	0.761	0.872	3.	3.345	4.42	5.282
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/07/86-07/07/87	13	97.724	283.816	1000.	3.548	124997.03	353.549	5.862	41.716	455.484	1000.
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	05/29/86-07/07/87	12	0.	0.25	2.	0.	0.386	0.622	0.	0.	0.	1.7
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	05/29/86-07/07/87	12	140.5	142.417	236.	17.	3718.447	60.979	42.5	104.75	183.5	230.9
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/07/86-07/07/87	12	0.629	0.631	1.04	0.07	0.095	0.309	0.123	0.451	0.923	1.02
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/29/86-08/18/86	4 ##	0.043	0.059	0.125	0.025	0.002	0.047	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/07/86-07/07/87	12	0.49	0.513	1.	0.1	0.048	0.22	0.169	0.41	0.621	0.92
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/23/86-07/07/87	7	406.	391.857	734.	81.	62543.143	250.086	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/29/86-07/07/87	11	80.	84.636	133.	15.3	1626.731	40.333	19.1	44.9	123.	132.8
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/23/86-07/07/87	7	37.6	33.386	73.	1.4	705.788	26.567	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/07/86-07/07/87	13	463.	457.538	893.	79.	58383.436	241.627	120.6	229.	693.	817.8
01045	IRON, TOTAL (UG/L AS FE)	05/07/86-07/07/87	12	39280.	40777.167	93100.	4175.	676254326.333	26004.89	5000.	18389.5	58882.5	84595.
01055	MANGANESE, TOTAL (UG/L AS MN)	05/29/86-07/07/87	12	3778.5	3322.267	5250.	280.2	2562155.581	1600.673	436.14	2220.	4632.5	5127.
01092	ZINC, TOTAL (UG/L AS ZN)	05/07/86-08/18/86	5	558.	579.6	810.	470.	18342.8	135.436	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/07/86-07/07/87	13	6380.	6412.769	9800.	2364.	4013988.359	2003.494	3082.4	5076.	7775.	9416.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/07/86-07/07/87	12	0.012	0.019	0.053	0.	0.	0.018	0.001	0.005	0.033	0.052

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

Parameter Inventory for Station: ALPO0254

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	05/07/86-07/07/87	12	167.5	175.583	445.	74.	10896.083	104.384	77.	93.	205.	392.8
81319	COD, FIELD MG/L	07/22/86-08/18/86	2	7.5	7.5	8.	7.	0.5	0.707	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/29/86-07/07/87	11	16.	22.4	100.	9.4	676.2	26.004	9.52	11.	19.	84.2

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

EPA Water Quality Criteria Analysis for Station: ALPO0254

				Total	Exceed	Prop.	----------8/01-10/31----------			----------11/01-3/31----------			----------4/01-7/31----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	6	0	0.00	2	0	0.00				4	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	13	0	0.00	3	0	0.00	3	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	13	13	1.00	3	3	1.00	3	3	1.00	7	7	1.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	1	0	0.00				3	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	12	0	0.00	3	0	0.00	2	0	0.00	7	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	13	9	0.69	3	3	1.00	3	1	0.33	7	5	0.71			
01092	ZINC, TOTAL	Fresh Acute	120.	5	5	1.00	1	1	1.00				4	4	1.00			
		Drinking Water	5000.	5	0	0.00	1	0	0.00				4	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	11	1	0.09	3	0	0.00	2	0	0.00	6	1	0.17			

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

Station Inventory for Station: ALPO0255

NPS Station ID: ALPO0255 LAT/LON: 40.348837/ -78.775559 Agency: 11NPSWRD Date Created: 10/17/98
Location: SOUTH FORK LITTLE CONEMAUGH RIVER SF-61 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_LC_SF-61
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE SOUTH FORK OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0255

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-08/16/93	1	22.9	22.9	22.9	22.9	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/16/93-08/16/93	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-08/16/93	1	390.	390.	390.	390.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-08/16/93	1	535.	535.	535.	535.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/16/93-08/16/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/16/93-08/16/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-08/16/93	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/16/93-08/16/93	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/16/93-08/16/93	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-08/16/93	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	1	122.	122.	122.	122.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-08/16/93	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/16/93-08/16/93	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-08/16/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-08/16/93	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-08/16/93	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-08/16/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-08/16/93	1	358.	358.	358.	358.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-08/16/93	1	260.	260.	260.	260.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0255

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0256

NPS Station ID: ALPO0256
LAT/LON: 40.372865/ -78.777753
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-65
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-65
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0256

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/94-05/18/95	4	14.9	14.2	16.	11.	4.827	2.197	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/26/94-05/18/95	4	8.	8.75	17.	2.	40.917	6.397	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/94-05/18/95	4	1140.	1720.	4000.	600.	2388266.667	1545.402	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/94-05/18/95	4	1190.	1123.25	1350.	763.	63368.917	251.732	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/26/94-05/18/95	4	1.4	1.35	2.1	0.5	0.537	0.733	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/26/94-05/18/95	4	4.45	4.4	4.5	4.2	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/26/94-05/18/95	4	4.447	4.382	4.5	4.2	0.02	0.143	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/94-05/18/95	4	35.717	41.538	63.096	31.623	221.448	14.881	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/26/94-05/18/95	4	4.	4.05	4.4	3.8	0.063	0.252	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/26/94-05/18/95	4	4.	4.002	4.4	3.8	0.066	0.258	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/94-05/18/95	4	100.	99.575	158.489	39.811	2347.676	48.453	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/94-05/18/95	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/94-05/18/95	4	68.	74.5	106.	56.	569.	23.854	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/94-05/18/95	4	830.	800.5	1077.	465.	63584.333	252.159	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/26/94-05/18/95	4	5.	5.5	9.	3.	6.333	2.517	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/26/94-05/18/95	4	4.	3.5	4.	2.	1.	1.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	09/27/94-09/27/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/94-05/18/95	4	2.6	2.575	3.5	1.6	0.602	0.776	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/26/94-05/18/95	4	2.6	2.45	3.	1.6	0.357	0.597	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/94-05/18/95	4	8.	7.75	8.	7.	0.25	0.5	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/26/94-05/18/95	4	1300.	1150.	1306.	694.	92424.	304.013	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/26/94-05/18/95	4	764.	1152.5	2680.	402.	1072014.333	1035.381	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0256

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	4	1.00	2	2	1.00				2	2	1.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	2	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	2	2	1.00				2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	2	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	2	2	1.00				2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00	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: ALPO0257

NPS Station ID: ALPO0257
LAT/LON: 40.372559/ -78.778559
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-66
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-66
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0257

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/94-05/18/95	4	17.55	17.425	21.1	13.5	10.129	3.183	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/26/94-05/18/95	4	7.5	8.25	15.	3.	28.917	5.377	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/94-05/18/95	4	3250.	3000.75	5500.	3.	5600668.917	2366.573	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/94-05/18/95	4	2937.	3069.75	3707.	2698.	193176.917	439.519	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/27/94-09/27/94	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/26/94-05/18/95	4	2.9	2.875	3.	2.7	0.016	0.126	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/26/94-05/18/95	4	2.9	2.861	3.	2.7	0.016	0.127	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/94-05/18/95	4	1258.925	1378.278	1995.262	1000.	184084.657	429.051	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/26/94-05/18/95	4	1.95	1.95	2.5	1.4	0.217	0.465	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/26/94-05/18/95	4	1.925	1.778	2.5	1.4	0.256	0.506	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/94-05/18/95	4	11896.107	16691.302	39810.717	3162.278	264926429.093	16276.561	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/94-05/18/95	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/94-05/18/95	4	1010.	1276.5	2268.	818.	445113.	667.168	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/94-05/18/95	4	2908.	3202.	4682.	2310.	1291381.333	1136.39	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/26/94-05/18/95	4	73.5	67.75	77.	47.	202.25	14.221	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/26/94-05/18/95	4	43.	34.75	44.	9.	294.917	17.173	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/94-05/18/95	4	22.15	20.1	28.5	7.6	105.287	10.261	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/26/94-05/18/95	4	16.65	14.725	18.	7.6	24.183	4.918	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/94-05/18/95	4	190.	198.25	289.	124.	4628.25	68.031	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/26/94-05/18/95	4	4436.	4289.5	5250.	3036.	845582.333	919.556	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/26/94-05/18/95	4	2177.5	2014.75	3685.	19.	2491462.917	1578.437	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0257

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	2	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	2	2	1.00				2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	2	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	2	2	1.00				2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00	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: ALPO0258

NPS Station ID: ALPO0258
LAT/LON: 40.370420/ -78.780698
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-69
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-69
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0258

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/94-05/18/95	4	17.15	18.125	22.6	15.6	10.836	3.292	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/26/94-05/18/95	4	338.	604.	1640.	100.	499048.667	706.434	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/94-05/18/95	4	2194.	2172.	2900.	1400.	620469.333	787.699	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/94-05/18/95	4	1734.	1939.	2692.	1596.	268932.	518.587	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/26/94-05/18/95	4	8.1	8.175	9.	7.5	0.383	0.618	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/26/94-05/18/95	4	8.1	7.916	9.	7.5	0.472	0.687	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/94-05/18/95	4	0.008	0.012	0.032	0.001	0.	0.013	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/26/94-05/18/95	4	7.55	7.6	8.8	6.5	0.967	0.983	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/26/94-05/18/95	4	7.422	7.007	8.8	6.5	1.435	1.198	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/94-05/18/95	4	0.038	0.098	0.316	0.002	0.022	0.148	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/94-05/18/95	4	103.	89.5	124.	28.	2073.	45.53	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/94-05/18/95	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/94-05/18/95	4	844.5	1047.25	1693.	807.	186580.25	431.949	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/26/94-05/18/95	4	0.25	121.9	487.	0.1	59243.58	243.4	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/26/94-05/18/95	4	0.2	149.375	597.	0.1	89052.516	298.417	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/94-05/18/95	4	0.3	0.475	1.2	0.1	0.243	0.492	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/26/94-05/18/95	4	0.3	0.475	1.1	0.2	0.176	0.419	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/94-05/18/95	4	0.2	0.25	0.5	0.1	0.037	0.191	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/26/94-05/18/95	4	1526.	1700.	2374.	1374.	222437.333	471.633	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/26/94-05/18/95	4	1000.5	990.75	1943.	19.	619693.583	787.206	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0258

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	4	1	0.25	2	0	0.00				2	1	0.50			
		Other-Lo Lim.	6.5	4	0	0.00	2	0	0.00				2	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	2	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	4	1	0.25	2	1	0.50				2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00	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: ALPO0259

NPS Station ID: ALPO0259
LAT/LON: 40.347503/ -78.783338
Agency: 21PA
Date Created: 04/19/77
Location: SANDY RUN-NR MOUTH-ADAMS TWP
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): WQN0435 /03040510
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: SANDY RUN
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 19.50
On/Off RF1:
RF3 Index: 05010007043903.03
RF3 Mile Point: 7.27
Distance from RF3: 0.02
On/Off RF3:
Description:
DISCONTINUED STATION.

Parameter Inventory for Station: ALPO0259

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/26/72-09/11/73	4	18.	15.75	22.	5.	60.917	7.805	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-09/11/73	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/26/72-03/14/74	9	1.	1.35	4.	0.	2.101	1.45	0.	0.175	2.65	4.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/26/72-03/14/74	8	170.	206.25	440.	100.	11512.5	107.296	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/26/72-03/14/74	7	11.	9.629	11.9	3.	9.482	3.079	**	**	**	**
00400	PH (STANDARD UNITS)	09/26/72-03/14/74	7	7.3	7.357	8.	7.	0.136	0.369	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/26/72-03/14/74	7	7.3	7.247	8.	7.	0.15	0.388	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/26/72-03/14/74	7	0.05	0.057	0.1	0.01	0.001	0.037	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/26/72-03/14/74	9	7.1	7.367	8.1	6.8	0.237	0.487	6.8	7.	7.85	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	09/26/72-03/14/74	9	7.1	7.18	8.1	6.8	0.277	0.526	6.8	7.	7.85	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/26/72-03/14/74	9	0.079	0.066	0.158	0.008	0.003	0.053	0.008	0.017	0.103	0.158
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/26/72-03/14/74	9	41.	48.444	103.	24.	791.028	28.125	24.	26.	72.5	103.
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	09/26/72-03/14/74	8	0.	0.	0.	0.	0.	0.	**	**	**	**
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	09/26/72-03/14/74	8	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/26/72-03/14/74	9	0.1	0.123	0.5	0.	0.022	0.148	0.	0.045	0.125	0.5
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/26/72-03/14/74	9	0.016	0.019	0.038	0.008	0.	0.009	0.008	0.014	0.024	0.038
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/26/72-03/14/74	9	1.359	1.202	1.979	0.32	0.323	0.568	0.32	0.68	1.65	1.979
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/26/72-03/14/74	9	0.08	0.088	0.16	0.03	0.002	0.047	0.03	0.045	0.13	0.16
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/26/72-03/14/74	9	70.	82.222	144.	53.	940.194	30.663	53.	54.5	101.	144.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/26/72-03/14/74	9	20.8	19.244	35.2	1.6	201.298	14.188	1.6	1.8	31.6	35.2
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/26/72-03/14/74	9	1.4	2.122	6.5	0.3	4.897	2.213	0.3	0.45	4.	6.5
00940	CHLORIDE,TOTAL IN WATER MG/L	09/26/72-03/14/74	9	13.	14.556	31.	9.	46.528	6.821	9.	10.	17.	31.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/26/72-03/14/74	9	32.	39.	100.	16.	660.75	25.705	16.	21.	49.	100.
01045	IRON, TOTAL (UG/L AS FE)	09/26/72-03/14/74	9	270.	681.111	2800.	110.	810236.111	900.131	110.	200.	990.	2800.

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

EPA Water Quality Criteria Analysis for Station: ALPO0259

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	9	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	7	1	0.14	2	1	0.50	4	0	0.00	1	0	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: ALPO0259

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	7	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	7	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	9	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	9	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	9	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	9	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	9	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00			
		Drinking Water	250.	9	0	0.00	3	0	0.00	5	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	9	0	0.00	3	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

Station Inventory for Station: ALPO0260

NPS Station ID: ALPO0260
LAT/LON: 40.348003/ -78.783560
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SANDY RUN SA-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_SA-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT SANDY RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0260

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/93-07/26/93	1	22.3	22.3	22.3	22.3	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/26/93-07/26/93	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/93-07/26/93	1	283.	283.	283.	283.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/93-07/26/93	1	311.	311.	311.	311.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/26/93-07/26/93	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/26/93-07/26/93	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/93-07/26/93	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/26/93-07/26/93	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/26/93-07/26/93	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/93-07/26/93	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/93-07/26/93	1	92.	92.	92.	92.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/93-07/26/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/93-07/26/93	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/26/93-07/26/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/26/93-07/26/93	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/93-07/26/93	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/26/93-07/26/93	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/93-07/26/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/26/93-07/26/93	1	196.	196.	196.	196.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/26/93-07/26/93	1	190.	190.	190.	190.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0260

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0261

NPS Station ID: ALPO0261
LAT/LON: 40.370337/ -78.783920
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-75
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-75
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0261

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/94-05/18/95	3	18.4	17.433	20.	13.9	10.003	3.163	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/26/94-05/18/95	3	16.	14.	26.	0.	172.	13.115	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/94-05/18/95	3	800.	896.667	1190.	700.	67033.333	258.908	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/94-05/18/95	3	1058.	1100.667	1335.	909.	46734.333	216.181	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/27/94-05/18/95	2	3.8	3.8	5.4	2.2	5.12	2.263	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/26/94-05/18/95	3	3.9	3.9	4.	3.8	0.01	0.1	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/26/94-05/18/95	3	3.9	3.892	4.	3.8	0.01	0.1	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/94-05/18/95	3	125.893	128.127	158.489	100.	858.996	29.309	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/26/94-05/18/95	3	4.	4.	5.5	2.5	2.25	1.5	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/26/94-05/18/95	3	4.	2.963	5.5	2.5	3.862	1.965	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/94-05/18/95	3	100.	1088.48	3162.278	3.162	3227822.002	1796.614	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/94-05/18/95	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/94-05/18/95	3	442.	480.667	662.	338.	27365.333	165.425	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/94-05/18/95	3	1308.	1315.	1736.	901.	174343.	417.544	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/26/94-05/18/95	3	0.3	0.367	0.6	0.2	0.043	0.208	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/26/94-05/18/95	3	0.3	0.3	0.4	0.2	0.01	0.1	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/94-05/18/95	3	4.1	4.133	5.2	3.1	1.103	1.05	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/26/94-05/18/95	3	4.1	4.133	5.2	3.1	1.103	1.05	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/94-05/18/95	3	72.	74.667	98.	54.	489.333	22.121	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/26/94-05/18/95	3	1602.	1535.333	1788.	1216.	85129.333	291.769	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/26/94-05/18/95	3	536.	600.667	797.	469.	30032.333	173.298	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0261

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	1	0.50	1	1	1.00				1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00				2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00				2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	3	1.00	1	1	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: ALPO0262

NPS Station ID: ALPO0262
LAT/LON: 40.348615/ -78.784448
Agency: 112WRD
Date Created: 09/08/79
Location: S FORK AT SOUKSBURG, PA
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03040511
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 14.40
On/Off RF1:
RF3 Index: 05010007043901.72
RF3 Mile Point: 2.09
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0262

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/79-08/11/81	6	18.25	16.333	24.	5.	65.567	8.097	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/06/79-08/11/81	6	96.	109.167	188.	33.	4176.967	64.629	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/06/79-08/11/81	6	590.	637.333	1100.	350.	85434.667	292.292	**	**	**	**
00400	PH (STANDARD UNITS)	06/06/79-08/11/81	6	4.3	4.267	5.3	3.3	0.791	0.889	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/06/79-08/11/81	6	4.137	3.713	5.3	3.3	1.158	1.076	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/06/79-08/11/81	6	72.923	193.529	501.187	5.012	58798.279	242.484	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/01/81-08/11/81	2	3.95	3.95	4.3	3.6	0.245	0.495	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/01/81-08/11/81	2	3.822	3.822	4.3	3.6	0.278	0.527	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/01/81-08/11/81	2	150.654	150.654	251.189	50.119	20214.556	142.178	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/06/79-08/20/80	3	1.	1.5	3.	0.5	1.75	1.323	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/06/79-08/11/81	5	104.	90.4	159.	30.	2789.3	52.814	**	**	**	**
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	08/20/80-08/20/80	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	08/20/80-08/20/80	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	08/20/80-08/20/80	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/06/79-08/11/81	6	195.	228.333	420.	130.	12696.667	112.679	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/06/79-08/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/06/79-08/06/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/06/79-08/06/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/06/79-08/06/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/06/79-08/06/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	06/06/79-08/11/81	6	1000.	2166.667	10000.	0.	14966666.667	3868.678	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/06/79-08/11/81	6	17000.	19500.	31000.	11000.	72700000.	8526.429	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/06/79-08/11/81	6	15500.	17666.667	30000.	12000.	46666666.667	6831.301	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/06/79-08/06/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/06/79-08/06/79	1	170.	170.	170.	170.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/06/79-08/11/81	6	0.	200.	1100.	0.	196000.	442.719	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/06/79-08/11/81	6	2300.	2131.667	3400.	940.	1114416.667	1055.659	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/06/79-08/11/81	6	2100.	1996.667	3000.	980.	756066.667	869.521	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/06/79-08/06/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/06/79-08/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/06/79-08/06/79	1	30000.	30000.	30000.	30000.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/06/79-08/11/81	4	441.	443.5	693.	199.	76255.	276.143	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/06/79-08/11/81	4	102.5	92.925	105.	61.7	436.223	20.886	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/06/79-08/11/81	4	0.6	0.603	0.94	0.27	0.139	0.373	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	08/06/79-08/11/81	5	2.1	1.82	3.2	0.6	1.137	1.066	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/06/79-08/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/06/79-08/11/81	6	39.5	42.667	69.	24.	343.067	18.522	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	06/06/79-08/11/81	6	10.15	9.95	12.	6.1	5.035	2.244	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: ALPO0262

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	08/20/80-08/20/80	1	49.	49.	49.	49.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0262

				Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Fresh Chronic	9.	6	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	6	6	1.00	3	3	1.00	1	1	1.00	2	2	1.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	2	0.33	3	2	0.67	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: ALPO0263

NPS Station ID: ALPO0263 LAT/LON: 40.349253/ -78.787755 Agency: 11NPSWRD Date Created: 10/17/98
Location: SOUTH FORK LITTLE CONEMAUGH RIVER SF-64 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): JOFL_LC_SF-64
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT THE SOUTH FORK OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0263

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-08/16/93	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/16/93-08/16/93	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-08/16/93	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-08/16/93	1	169.	169.	169.	169.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/16/93-08/16/93	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/16/93-08/16/93	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-08/16/93	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/16/93-08/16/93	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/16/93-08/16/93	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-08/16/93	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-08/16/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-08/16/93	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/16/93-08/16/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-08/16/93	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-08/16/93	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-08/16/93	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-08/16/93	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-08/16/93	1	146.	146.	146.	146.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-08/16/93	1	80.	80.	80.	80.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0263

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0264

NPS Station ID: ALPO0264
LAT/LON: 40.374142/ -78.788531
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT27-02
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_UT27-02
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPO) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG AN UNNAMED TRIBUTARY TO LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0264

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/94-10/11/94	3	10.3	10.5	11.2	10.	0.39	0.624	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/26/94-10/11/94	3	32.	25.	38.	5.	309.	17.578	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/94-10/11/94	3	502.	607.333	820.	500.	33921.333	184.177	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/94-10/11/94	3	619.	624.667	636.	619.	96.333	9.815	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/16/94-10/11/94	2	8.1	8.1	10.6	5.6	12.5	3.536	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/26/94-10/11/94	3	6.9	6.733	6.9	6.4	0.083	0.289	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/26/94-10/11/94	3	6.9	6.664	6.9	6.4	0.09	0.301	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/94-10/11/94	3	0.126	0.217	0.398	0.126	0.025	0.157	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/26/94-10/11/94	3	6.1	6.	6.6	5.3	0.43	0.656	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/26/94-10/11/94	3	6.1	5.695	6.6	5.3	0.57	0.755	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/94-10/11/94	3	0.794	2.019	5.012	0.251	6.791	2.606	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/94-10/11/94	3	88.	91.333	98.	88.	33.333	5.774	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/94-10/11/94	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/94-10/11/94	3	250.	242.	250.	226.	192.	13.856	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/26/94-10/11/94	3	0.4	0.533	0.8	0.4	0.053	0.231	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/26/94-10/11/94	3	0.1	0.167	0.3	0.1	0.013	0.115	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/94-10/11/94	3	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/26/94-10/11/94	3	0.05	0.037	0.05	0.01	0.001	0.023	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/94-10/11/94	3	0.1	0.133	0.2	0.1	0.003	0.058	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/26/94-10/11/94	3	520.	509.333	520.	488.	341.333	18.475	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/26/94-10/11/94	3	336.	406.667	549.	335.	15194.333	123.265	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0264

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00	2	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00	2	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	3	1	0.33	2	1	0.50				1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	2	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	3	2	0.67	2	1	0.50				1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	2	0.67	2	1	0.50				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: ALPO0265

NPS Station ID: ALPO0265 LAT/LON: 40.361142/ -78.791588 Agency: 11NPSWRD Date Created: 10/17/98
Location: SOUTH FORK LITTLE CONEMAUGH RIVER SF-66 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE STORET Station ID(s): JOFL_LC_SF-66
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE SOUTH FORK OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0265

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/93-11/22/94	3	14.7	14.2	15.4	12.5	2.29	1.513	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/16/93-11/22/94	3	436.	383.	676.	37.	104187.	322.78	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/93-11/22/94	3	1381.	1527.	2400.	800.	655987.	809.93	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/93-11/22/94	3	1840.	1825.667	1958.	1679.	19614.333	140.051	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/22/94-11/22/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/16/93-11/22/94	3	4.2	4.267	4.4	4.2	0.013	0.115	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/16/93-11/22/94	3	4.2	4.257	4.4	4.2	0.013	0.116	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-11/22/94	3	63.096	55.334	63.096	39.811	180.731	13.444	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/16/93-11/22/94	3	4.3	4.2	4.6	3.7	0.21	0.458	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/16/93-11/22/94	3	4.3	4.038	4.6	3.7	0.249	0.499	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/93-11/22/94	3	50.119	91.588	199.526	25.119	8894.254	94.309	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/93-11/22/94	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/16/93-11/22/94	3	254.	248.	268.	222.	556.	23.58	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/93-11/22/94	3	1260.	1333.333	1699.	1041.	112274.333	335.074	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/16/93-11/22/94	3	93.	88.333	93.	79.	65.333	8.083	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/16/93-11/22/94	3	84.	84.	89.	79.	25.	5.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	06/07/94-06/07/94	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/93-11/22/94	3	3.	2.9	3.	2.7	0.03	0.173	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/93-11/22/94	3	2.8	2.8	2.9	2.7	0.01	0.1	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/16/93-11/22/94	3	10.	10.333	12.	9.	2.333	1.528	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/16/93-11/22/94	3	1982.	1956.	2094.	1792.	23308.	152.67	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/16/93-11/22/94	3	925.	1023.	1608.	536.	294499.	542.678	**	**	**	**

** - 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

EPA Water Quality Criteria Analysis for Station: ALPO0265

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00				1	1	1.00						
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00	1	1	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00	1	1	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	3	1.00	1	1	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

Station Inventory for Station: ALPO0266

NPS Station ID: ALPO0266
LAT/LON: 40.366948/ -78.794448
Agency: 1114O100
Date Created: / /
Location: S. FORK L. CONEMAUGH ABOVE MOUTH
FIPS State/County: 42031 PENNSYLVANIA/CLARION
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 415203
RMI-Indexes: 1021500 007720 21670 0500 1430
Within Park Boundary: No
RMI-Miles: 0953.80 0981.00 030.20 077.40 012.97
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007010
RF1 Mile Point: 12.180
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 05010007004500.00
RF3 Mile Point: 0.12
Distance from RF3: 0.04
On/Off RF3:
Description:
STATION LOCATED ON SOUTH FORK JUST ABOVE ITS MOUTH TO THE LITTLE CONEMAUGH RIVER.
1968 WFO-REGION III AND DER OF PENNSYLVANIA STUDY BY SCOTT MCPHILLIAMY. JOHNSTOWN, PA. 15 MIN QUAD MAP 4022010 07847400

Parameter Inventory for Station: ALPO0266

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: ALPO0267

NPS Station ID: ALPO0267
LAT/LON: 40.363615/ -78.794726
Agency: 1114O100
Date Created: / /
Location: SOUTH FORK ABOVE MOUTH
FIPS State/County: 42031 PENNSYLVANIA/CLARION
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 415202
RMI-Indexes: 1021500 007720 21670 0500 1430
Within Park Boundary: No
RMI-Miles: 0953.80 0981.00 030.20 077.40 013.10
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007010
RF1 Mile Point: 12.180
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 05010007002700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
STATION LOCATED NEAR THE MOUTH OF SOUTH FORK TO THE LITTLE CONEMAUGH R. 1968 WFO-REGION III AND DER OF PENNSYLVANIA STUDY BY SCOTT MCPHILLIAMY.
JOHNSTOWN, PA. 15 MIN QUAD MAP 4021490 07847410

Parameter Inventory for Station: ALPO0267

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: ALPO0268

NPS Station ID: ALPO0268 LAT/LON: 40.363976/ -78.796254 Agency: 11NPSWRD Date Created: 10/17/98
Location: SOUTH FORK LITTLE CONEMAUGH RIVER SF-69 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE STORET Station ID(s): JOFL_LC_SF-69
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE SOUTH FORK OF THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0268

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/94-11/22/94	2	14.4	14.4	20.5	8.3	74.42	8.627	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/02/94-11/22/94	2	26.5	26.5	35.	18.	144.5	12.021	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/94-11/22/94	2	1090.	1090.	1180.	1000.	16200.	127.279	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/94-11/22/94	2	1111.	1111.	1201.	1021.	16200.	127.279	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/02/94-11/22/94	2	3.4	3.4	3.5	3.3	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/02/94-11/22/94	2	3.389	3.389	3.5	3.3	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/02/94-11/22/94	2	408.707	408.707	501.187	316.228	17105.002	130.786	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/02/94-11/22/94	2	2.9	2.9	3.4	2.4	0.5	0.707	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/02/94-11/22/94	2	2.66	2.66	3.4	2.4	0.616	0.785	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/02/94-11/22/94	2	2189.589	2189.589	3981.072	398.107	6418817.429	2533.539	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/02/94-11/22/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/02/94-11/22/94	2	168.	168.	200.	136.	2048.	45.255	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/02/94-11/22/94	2	958.5	958.5	1102.	815.	41184.5	202.94	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/02/94-11/22/94	2	9.	9.	12.	6.	18.	4.243	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/02/94-11/22/94	2	8.	8.	11.	5.	18.	4.243	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/02/94-11/22/94	2	2.8	2.8	3.	2.6	0.08	0.283	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/02/94-11/22/94	2	2.55	2.55	2.8	2.3	0.125	0.354	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/02/94-11/22/94	2	12.5	12.5	13.	12.	0.5	0.707	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/02/94-11/22/94	2	961.	961.	1064.	858.	21218.	145.664	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/02/94-11/22/94	2	730.5	730.5	791.	670.	7320.5	85.56	**	**	**	**

** - 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

EPA Water Quality Criteria Analysis for Station: ALPO0268

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00	1	1	1.00						
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00	1	1	1.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00	1	1	1.00	1	1	1.00						

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

Station Inventory for Station: ALPO0269

NPS Station ID: ALPO0269
LAT/LON: 40.365281/ -78.798615
Agency: 1114O100
Date Created: / /
Location: L. CONEMAUGH R. AT USGS,CONEMAUG
FIPS State/County: 42031 PENNSYLVANIA/CLARION
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 415261
RMI-Indexes: 1021500 007720 21670 0500 1430
Within Park Boundary: No
RMI-Miles: 0953.80 0981.00 030.20 077.40 012.90
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007010
RF1 Mile Point: 11.830
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 05010007001010.07
RF3 Mile Point: 10.77
Distance from RF3: 0.04
On/Off RF3:
Description:
STATION LOCATED ON THE LITTLE CONEMAUGH RIVER AT THE USGS AT CONEMAUGH. 1968 WFO-REGION III AND DER OF PENNSYLVANIA STUDY BY SCOTT MCPHILLIAMY.
JOHNSTOWN, PA. 15 MIN QUAD MAP 4021550 07847550 KISKIMINETAS RIVER MINE DRAINAGE STUDY
JOHNSTOWN,PA 15MIN QUAD MAP 4020350 07853000

Parameter Inventory for Station: ALPO0269

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: ALPO0270

NPS Station ID: ALPO0270
LAT/LON: 40.365281/ -78.798892
Agency: 1114O100
Date Created: / /
Location: CONEMAUGH R. BELOW SOUTH FORK
FIPS State/County: 42031 PENNSYLVANIA/CLARION
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 415205
RMI-Indexes: 1021500 007720 21670 0500 1430
Within Park Boundary: No
RMI-Miles: 0953.80 0981.00 030.20 077.40 012.95
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007010
RF1 Mile Point: 11.830
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 05010007001011.93
RF3 Mile Point: 12.20
Distance from RF3: 0.03
On/Off RF3:
Description:
1968 WFO-REGION III AND DER OF PENNSYLVANIA STUDY BY SCOTT MCPHILLIAMY. FORK.
JOHNSTOWN, PA. 15 MIN QUAD MAP 4021550 07847560

Parameter Inventory for Station: ALPO0270

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: ALPO0271

NPS Station ID: ALPO0271
LAT/LON: 40.363809/ -78.800809
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-80
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-80
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0271

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/94-11/22/94	2	13.9	13.9	21.8	6.	124.82	11.172	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/02/94-11/22/94	2	10.5	10.5	13.	8.	12.5	3.536	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/94-11/22/94	2	1392.5	1392.5	1485.	1300.	17112.5	130.815	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/94-11/22/94	2	1233.5	1233.5	1405.	1062.	58824.5	242.538	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/02/94-11/22/94	2	3.25	3.25	3.4	3.1	0.045	0.212	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/02/94-11/22/94	2	3.225	3.225	3.4	3.1	0.046	0.215	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/02/94-11/22/94	2	596.218	596.218	794.328	398.107	78495.566	280.171	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/02/94-11/22/94	2	2.75	2.75	3.3	2.2	0.605	0.778	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/02/94-11/22/94	2	2.468	2.468	3.3	2.2	0.764	0.874	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/02/94-11/22/94	2	3405.38	3405.38	6309.573	501.187	16868675.189	4107.149	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/02/94-11/22/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/02/94-11/22/94	2	167.	167.	214.	120.	4418.	66.468	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/02/94-11/22/94	2	963.5	963.5	980.	947.	544.5	23.335	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/02/94-11/22/94	2	5.5	5.5	8.	3.	12.5	3.536	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/02/94-11/22/94	2	5.	5.	7.	3.	8.	2.828	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/02/94-11/22/94	2	2.65	2.65	2.7	2.6	0.005	0.071	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/02/94-11/22/94	2	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/02/94-11/22/94	2	10.	10.	10.	10.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/02/94-11/22/94	2	1088.	1088.	1256.	920.	56448.	237.588	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/02/94-11/22/94	2	933.	933.	995.	871.	7688.	87.681	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0271

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00	1	1	1.00						
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00	1	1	1.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00	1	1	1.00	1	1	1.00						

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

Station Inventory for Station: ALPO0272

NPS Station ID: ALPO0272
LAT/LON: 40.370671/ -78.809420
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT30-03
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_UT30-03
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0272

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/94-08/25/94	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/25/94-08/25/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/25/94-08/25/94	1	1429.	1429.	1429.	1429.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/94-08/25/94	1	675.	675.	675.	675.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/25/94-08/25/94	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/25/94-08/25/94	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/25/94-08/25/94	1	251.189	251.189	251.189	251.189	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/25/94-08/25/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/25/94-08/25/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/25/94-08/25/94	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/25/94-08/25/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/25/94-08/25/94	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/25/94-08/25/94	1	614.	614.	614.	614.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/25/94-08/25/94	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/25/94-08/25/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/25/94-08/25/94	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/25/94-08/25/94	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/25/94-08/25/94	1	9.	9.	9.	9.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/25/94-08/25/94	1	1280.	1280.	1280.	1280.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/25/94-08/25/94	1	957.	957.	957.	957.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0272

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0273

NPS Station ID: ALPO0273
LAT/LON: 40.370059/ -78.809753
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT30-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_UT30-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0273

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00058	FLOW, RATE GALLONS/MIN	08/02/94-08/02/94	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/02/94-08/02/94	1	1887.	1887.	1887.	1887.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/94-08/02/94	1	915.	915.	915.	915.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/02/94-08/02/94	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/02/94-08/02/94	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/02/94-08/02/94	1	199.526	199.526	199.526	199.526	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/02/94-08/02/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/02/94-08/02/94	1	122.	122.	122.	122.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/02/94-08/02/94	1	614.	614.	614.	614.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/02/94-08/02/94	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/02/94-08/02/94	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/02/94-08/02/94	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/02/94-08/02/94	1	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/02/94-08/02/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/02/94-08/02/94	1	920.	920.	920.	920.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/02/94-08/02/94	1	1264.	1264.	1264.	1264.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0273

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0274

NPS Station ID: ALPO0274
LAT/LON: 40.370948/ -78.810031
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT30-04
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_UT30-04
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0274

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/94-08/25/94	1	11.6	11.6	11.6	11.6	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/25/94-08/25/94	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/25/94-08/25/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/94-08/25/94	1	1319.	1319.	1319.	1319.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/25/94-08/25/94	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/25/94-08/25/94	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/25/94-08/25/94	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/25/94-08/25/94	1	501.187	501.187	501.187	501.187	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/25/94-08/25/94	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/25/94-08/25/94	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/25/94-08/25/94	1	6309.573	6309.573	6309.573	6309.573	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/25/94-08/25/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/25/94-08/25/94	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/25/94-08/25/94	1	1003.	1003.	1003.	1003.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/25/94-08/25/94	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/25/94-08/25/94	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/25/94-08/25/94	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/25/94-08/25/94	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/25/94-08/25/94	1	14.	14.	14.	14.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/25/94-08/25/94	1	1232.	1232.	1232.	1232.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/25/94-08/25/94	1	1869.	1869.	1869.	1869.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0274

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0275

NPS Station ID: ALPO0275
LAT/LON: 40.267226/ -78.815281
Agency: 12NSS
Date Created: 10/22/88
Location: LITTLE PAINT CREEK
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 2C035041U /2CN2C035041U
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 585
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 30.40
On/Off RF1:
RF3 Index: 05010007062600.00
RF3 Mile Point: 0.03
Distance from RF3: 0.04
On/Off RF3:
Description:
THESE DATA WERE COLLECTED DURING PHASE I OF THE NATIONAL STREAM SURVEY AS PART OF EPA'S NATIONAL SURFACE WATER SURVEY AND AQUATIC EFFECTS RESEARCH PROGRAM UNDER THE NATIONAL ACID PRECIPITATION ASSESSMENT PROGRAM. THE SURVEY DESIGN, METHODS, AND DATA LIMITAITONS ARE DESCRIBED IN: KAUFMANN, P.R., ET AL. 1988. CHEMICAL CHARACTERISTICS OF STREAMS IN THE MID-ATLANTIC AND SOUTHEASTERN UNITED STATES. VOL.I: POPULATION DESCRIPTIONS AND PHYSICO-CHEMICAL RELATIONSHIPS. EPA/600/3-88/021A, U.S. ENVIRON. PROT. AGENCY, WASHINGTON, D.C. THE DATA IN STORET ARE THOSE REPORTED IN KAUFMANN ET AL. (1988) WITH THE FOLLOWING EXCEPTIONS: (1) UNITS FOR CHEMICAL PARAMETERS ARE TYPICALLY IN MG/L RATHER THAN MICROEQ/L; (2) NO SUBSTITUTED VALUES ARE PROVIDED FOR SUSPECT DATA; (3) TAGS AND FLAGS USED TO IDENTIFY SUSPICIOUS DATA ARE NOT SHOWN; (4) CALCULATED OR DERIVED VARIABLES ARE EXCLUDED.

Parameter Inventory for Station: ALPO0275

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/14/86-05/04/86	2	14.05	14.05	15.1	13.	2.205	1.485	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	04/14/86-05/04/86	2	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/14/86-05/04/86	2	12.5	12.5	15.	10.	12.5	3.536	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/14/86-05/04/86	2	107.5	107.5	111.	104.	24.5	4.95	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/14/86-05/04/86	2	9.9	9.9	10.2	9.6	0.18	0.424	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/14/86-05/04/86	2	8.35	8.35	8.4	8.3	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/14/86-05/04/86	2	8.347	8.347	8.4	8.3	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/14/86-05/04/86	2	0.004	0.004	0.005	0.004	0.	0.001	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/14/86-05/04/86	2	494.55	494.55	529.2	459.9	2401.245	49.002	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/14/86-05/04/86	2	28.	28.	29.	27.	2.	1.414	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/14/86-05/04/86	2	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/14/86-05/04/86	2	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/14/86-05/04/86	2	5.95	5.95	6.3	5.6	0.245	0.495	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/14/86-05/04/86	2	11.9	11.9	12.	11.8	0.02	0.141	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/14/86-05/04/86	2	2.95	2.95	3.	2.9	0.005	0.071	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/14/86-05/04/86	2	2.66	2.66	2.84	2.48	0.065	0.255	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/14/86-05/04/86	2	1.005	1.005	1.03	0.98	0.001	0.035	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/14/86-05/04/86	2	5.5	5.5	6.	5.	0.5	0.707	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/14/86-05/04/86	2	16.4	16.4	17.2	15.6	1.28	1.131	**	**	**	**

** - Less than 9 observations ## - 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: ALPO0275

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/14/86-05/04/86	2	0.08	0.08	0.09	0.07	0.	0.014	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/14/86-05/04/86	2	5.15	5.15	5.7	4.6	0.605	0.778	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/14/86-05/04/86	2	12.5	12.5	18.	7.	60.5	7.778	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/14/86-05/04/86	2	77.	77.	105.	49.	1568.	39.598	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/14/86-05/04/86	2	2.85	2.85	2.9	2.8	0.005	0.071	**	**	**	**
71885	IRON (UG/L AS FE)	04/14/86-05/04/86	2	58.455	58.455	63.95	52.96	60.39	7.771	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/14/86-05/04/86	2	1920.	1920.	1920.	1920.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/14/86-05/04/86	2	1.55	1.55	1.7	1.4	0.045	0.212	**	**	**	**
83509	STREAM, WIDTH METER	04/14/86-05/04/86	2	2.5	2.5	2.5	2.5	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: ALPO0275

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00							2	0	0.00			
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	2	0	0.00							2	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00							2	0	0.00			
		Drinking Water	250.	2	0	0.00							2	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00							2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00							2	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00							2	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: ALPO0276

NPS Station ID: ALPO0276
LAT/LON: 40.353892/ -78.823754
Agency: 11NPSWRD
Date Created: 10/17/98
Location: BENSCREEK BE-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_BE-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE BEAR RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0276

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/94-11/20/94	2	11.65	11.65	15.4	7.9	28.125	5.303	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/03/94-11/20/94	2	2.	2.	2.	2.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/94-11/20/94	2	320.	320.	340.	300.	800.	28.284	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/03/94-11/20/94	2	328.	328.	346.	310.	648.	25.456	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/20/94-11/20/94	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/03/94-11/20/94	2	6.45	6.45	6.5	6.4	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/03/94-11/20/94	2	6.447	6.447	6.5	6.4	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/94-11/20/94	2	0.357	0.357	0.398	0.316	0.003	0.058	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/03/94-11/20/94	2	6.45	6.45	7.	5.9	0.605	0.778	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/03/94-11/20/94	2	6.168	6.168	7.	5.9	0.764	0.874	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/94-11/20/94	2	0.679	0.679	1.259	0.1	0.672	0.819	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/94-11/20/94	2	22.	22.	24.	20.	8.	2.828	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/03/94-11/20/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/03/94-11/20/94	2	127.5	127.5	144.	111.	544.5	23.335	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/03/94-11/20/94	2	32.5	32.5	43.	22.	220.5	14.849	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/03/94-11/20/94	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/03/94-11/20/94	2	2.85	2.85	3.1	2.6	0.125	0.354	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/03/94-11/20/94	2	1.35	1.35	1.4	1.3	0.005	0.071	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/03/94-11/20/94	2	2.	2.	2.	2.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/03/94-11/20/94	2	310.	310.	324.	296.	392.	19.799	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/03/94-11/20/94	2	214.	214.	228.	200.	392.	19.799	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0276

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00	1	1	1.00						
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	1	0.50	1	0	0.00	1	1	1.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						

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

Station Inventory for Station: ALPO0277

NPS Station ID: ALPO0277
LAT/LON: 40.381281/ -78.833170
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SALT LICK RUN SL-03
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_SL-03
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE NANTY GLO PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE SALT LICK RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0277

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/94-05/24/95	3	8.6	9.2	15.	4.	30.52	5.524	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/26/94-05/24/95	3	224.	199.667	359.	16.	29856.333	172.79	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/94-05/24/95	3	540.	632.	906.	450.	58332.	241.52	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/94-05/24/95	3	598.	691.667	946.	531.	49636.333	222.792	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/26/94-05/24/95	3	5.4	5.267	5.4	5.	0.053	0.231	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/26/94-05/24/95	3	5.4	5.223	5.4	5.	0.056	0.237	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/94-05/24/95	3	3.981	5.987	10.	3.981	12.076	3.475	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/26/94-05/24/95	3	5.6	5.433	6.1	4.6	0.583	0.764	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/26/94-05/24/95	3	5.6	5.023	6.1	4.6	0.835	0.914	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/94-05/24/95	3	2.512	9.475	25.119	0.794	184.285	13.575	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/94-05/24/95	3	3.	3.	3.	3.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/94-05/24/95	3	16.	22.	48.	2.	556.	23.58	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/94-05/24/95	3	278.	365.	569.	248.	31437.	177.305	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/26/94-05/24/95	3	3.	2.4	4.	0.2	3.88	1.97	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/26/94-05/24/95	3	0.2	0.167	0.2	0.1	0.003	0.058	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/94-05/24/95	3	0.5	0.633	1.	0.4	0.103	0.321	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/26/94-05/24/95	3	0.5	0.633	1.	0.4	0.103	0.321	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/94-05/24/95	3	1.	2.333	5.	1.	5.333	2.309	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/26/94-05/24/95	3	450.	555.333	848.	368.	65921.333	256.752	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/26/94-05/24/95	3	362.	423.667	607.	302.	26108.333	161.581	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0277

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				1	1	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				1	1	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	2	0.67				1	1	1.00	2	1	0.50			

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

Station Inventory for Station: ALPO0278

NPS Station ID: ALPO0278
LAT/LON: 40.251948/ -78.833615
Agency: 112WRD
Date Created: 05/28/94
Location: SITE 79 GEISTOWN QUAD
FIPS State/County: 42111 PENNSYLVANIA/SOMERSET
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 401507078500101
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0278

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/93-07/12/93	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	07/12/93-07/12/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/12/93-07/12/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/12/93-07/12/93	1	4660.	4660.	4660.	4660.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/12/93-07/12/93	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/12/93-07/12/93	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/12/93-07/12/93	1	6309.573	6309.573	6309.573	6309.573	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/12/93-07/12/93	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/12/93-07/12/93	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/12/93-07/12/93	1	6309.573	6309.573	6309.573	6309.573	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/93-07/12/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	07/12/93-07/12/93	1	2940.	2940.	2940.	2940.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/12/93-07/12/93	1	9244.	9244.	9244.	9244.	0.	0.	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/12/93-07/12/93	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/12/93-07/12/93	1	6218.	6218.	6218.	6218.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	07/12/93-07/12/93	1	0.24	0.24	0.24	0.24	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/12/93-07/12/93	1	1300000.	1300000.	1300000.	1300000.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/12/93-07/12/93	1	10300.	10300.	10300.	10300.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/12/93-07/12/93	1	103000.	103000.	103000.	103000.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/12/93-07/12/93	1	99100.	99100.	99100.	99100.	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/12/93-07/12/93	1	3940.	3940.	3940.	3940.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0278

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00							1	1	1.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0279

NPS Station ID: ALPO0279
LAT/LON: 40.381699/ -78.836781
Agency: 11NPSWRD
Date Created: 10/17/98
Location: SALT LICK RUN SL-02
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_SL-02
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE NANTY GLO PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE SALT LICK RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0279

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/94-12/29/94	2	7.7	7.7	11.4	4.	27.38	5.233	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/26/94-12/29/94	2	226.5	226.5	232.	221.	60.5	7.778	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/26/94-12/29/94	2	1190.5	1190.5	1200.	1181.	180.5	13.435	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/94-12/29/94	2	1267.5	1267.5	1275.	1260.	112.5	10.607	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/29/94-12/29/94	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/26/94-12/29/94	2	6.6	6.6	6.7	6.5	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/26/94-12/29/94	2	6.589	6.589	6.7	6.5	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/94-12/29/94	2	0.258	0.258	0.316	0.2	0.007	0.083	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/26/94-12/29/94	2	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/26/94-12/29/94	2	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/94-12/29/94	2	0.398	0.398	0.398	0.398	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/94-12/29/94	2	154.	154.	156.	152.	8.	2.828	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/26/94-12/29/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/94-12/29/94	2	614.	614.	636.	592.	968.	31.113	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/26/94-12/29/94	2	48.	48.	50.	46.	8.	2.828	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/26/94-12/29/94	2	42.5	42.5	45.	40.	12.5	3.536	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/26/94-12/29/94	2	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/26/94-12/29/94	2	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/26/94-12/29/94	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/26/94-12/29/94	2	1009.	1009.	1014.	1004.	50.	7.071	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/26/94-12/29/94	2	797.5	797.5	804.	791.	84.5	9.192	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0279

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	1	0.50				1	1	1.00	1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00				1	1	1.00	1	1	1.00			

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

Station Inventory for Station: ALPO0280

NPS Station ID: ALPO0280
LAT/LON: 40.337587/ -78.843893
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CLAPBOARD RUN CL-11
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_CL-11
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE CLAPBOARD RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0280

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/92-07/29/92	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/29/92-07/29/92	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/29/92-07/29/92	1	900.	900.	900.	900.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/29/92-07/29/92	1	1110.	1110.	1110.	1110.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/29/92-07/29/92	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/29/92-07/29/92	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/29/92-07/29/92	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/92-07/29/92	1	251.189	251.189	251.189	251.189	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/29/92-07/29/92	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/29/92-07/29/92	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/92-07/29/92	1	501.187	501.187	501.187	501.187	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/92-07/29/92	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/29/92-07/29/92	1	88.	88.	88.	88.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/29/92-07/29/92	1	745.	745.	745.	745.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/29/92-07/29/92	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/29/92-07/29/92	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/29/92-07/29/92	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/29/92-07/29/92	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/29/92-07/29/92	1	9.	9.	9.	9.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/29/92-07/29/92	1	1116.	1116.	1116.	1116.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/29/92-07/29/92	1	603.	603.	603.	603.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0280

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0281

NPS Station ID: ALPO0281
LAT/LON: 40.245560/ -78.846948
Agency: 12NSS
Date Created: 10/22/88
Location: LITTLE PAINT CREEK
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 2C035041L /2CN2C035041L
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 503
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05010007001020.80
RF3 Mile Point: 21.50
Distance from RF3: 0.00
On/Off RF3:
Description:
THESE DATA WERE COLLECTED DURING PHASE I OF THE NATIONAL STREAM SURVEY AS PART OF EPA'S NATIONAL SURFACE WATER SURVEY AND AQUATIC EFFECTS RESEARCH PROGRAM UNDER THE NATIONAL ACID PRECIPITATION ASSESSMENT PROGRAM. THE SURVEY DESIGN, METHODS, AND DATA LIMITAITONS ARE DESCRIBED IN: KAUFMANN, P.R., ET AL. 1988. CHEMICAL CHARACTERISTICS OF STREAMS IN THE MID-ATLANTIC AND SOUTHEASTERN UNITED STATES. VOL.I: POPULATION DESCRIPTIONS AND PHYSICO-CHEMICAL RELATIONSHIPS. EPA/600/3-88/021A, U.S. ENVIRON. PROT. AGENCY, WASHINGTON, D.C. THE DATA IN STORET ARE THOSE REPORTED IN KAUFMANN ET AL. (1988) WITH THE FOLLOWING EXCEPTIONS: (1) UNITS FOR CHEMICAL PARAMETERS ARE TYPICALLY IN MG/L RATHER THAN MICROEQ/L; (2) NO SUBSTITUTED VALUES ARE PROVIDED FOR SUSPECT DATA; (3) TAGS AND FLAGS USED TO IDENTIFY SUSPICIOUS DATA ARE NOT SHOWN; (4) CALCULATED OR DERIVED VARIABLES ARE EXCLUDED.

Parameter Inventory for Station: ALPO0281

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/14/86-05/04/86	2	14.45	14.45	14.9	14.	0.405	0.636	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	04/14/86-05/04/86	2	1.	1.	1.	1.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/14/86-05/04/86	2	10.	10.	15.	5.	50.	7.071	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/14/86-05/04/86	2	354.	354.	373.	335.	722.	26.87	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/14/86-05/04/86	2	9.3	9.3	9.3	9.3	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/14/86-05/04/86	2	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/14/86-05/04/86	2	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/14/86-05/04/86	2	12.589	12.589	12.589	12.589	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/14/86-05/04/86	2	-80.15	-80.15	-37.8	-122.5	3587.045	59.892	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/14/86-05/04/86	2	0.015	0.015	0.02	0.01	0.	0.007	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/14/86-05/04/86	2	0.002	0.002	0.002	0.001	0.	0.001	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/14/86-05/04/86	2	0.8	0.8	0.9	0.7	0.02	0.141	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/14/86-05/04/86	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/14/86-05/04/86	2	25.45	25.45	29.4	21.5	31.205	5.586	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/14/86-05/04/86	2	7.65	7.65	8.4	6.9	1.125	1.061	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/14/86-05/04/86	2	5.14	5.14	6.16	4.12	2.081	1.442	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/14/86-05/04/86	2	1.26	1.26	1.3	1.22	0.003	0.057	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/14/86-05/04/86	2	11.	11.	14.	8.	18.	4.243	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/14/86-05/04/86	2	121.85	121.85	124.9	118.8	18.605	4.313	**	**	**	**

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

Parameter Inventory for Station: ALPO0281

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/14/86-05/04/86	2	0.105	0.105	0.11	0.1	0.	0.007	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/14/86-05/04/86	2	4.8	4.8	5.2	4.4	0.32	0.566	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/14/86-05/04/86	2	390.25	390.25	435.7	344.8	4131.405	64.276	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/14/86-05/04/86	2	5043.5	5043.5	6504.	3583.	4266120.5	2065.459	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/14/86-05/04/86	2	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	04/14/86-05/04/86	2	7096.91	7096.91	14084.9	108.92	97664008.48	9882.51	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/14/86-05/04/86	2	1650.	1650.	1650.	1650.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/14/86-05/04/86	2	19.65	19.65	19.9	19.4	0.125	0.354	**	**	**	**
83509	STREAM, WIDTH METER	04/14/86-05/04/86	2	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: ALPO0281

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	2	2	1.00							2	2	1.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00							2	0	0.00			
		Drinking Water	250.	2	0	0.00							2	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00							2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00							2	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00							2	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: ALPO0282

NPS Station ID: ALPO0282 LAT/LON: 40.246115/ -78.846948 Agency: 112WRD Date Created: 09/08/79
Location: LITTLE PAINT CREEK AT SCALP LEVEL, PA SITE 829 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 03039920
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02050201000807.38 RF3 Mile Point: 7.99 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0282

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/79-05/24/94	8	19.25	17.688	28.5	5.5	62.781	7.923	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/06/79-05/24/94	8	11.	15.938	46.	0.5	234.174	15.303	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/06/79-05/24/94	8	517.5	573.125	1350.	222.	124841.554	353.329	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/28/93-07/28/93	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/06/79-05/24/94	8	4.2	4.724	6.69	3.1	1.997	1.413	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/06/79-05/24/94	8	4.189	3.742	6.69	3.1	3.099	1.76	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/06/79-05/24/94	8	64.776	181.291	794.328	0.204	78741.28	280.609	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/30/81-05/24/94	4	4.15	4.3	6.	2.9	2.367	1.538	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/30/81-05/24/94	4	3.398	3.288	6.	2.9	3.732	1.932	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/30/81-05/24/94	4	400.319	515.141	1258.925	1.	384803.717	620.325	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/06/79-05/24/94	5	2.	3.9	10.	0.	19.3	4.393	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/10/79-08/14/81	5	179.	182.	353.	10.	15160.5	123.128	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/28/93-05/24/94	2	313.	313.	426.	200.	25538.	159.806	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/28/93-05/24/94	2 ##	1.4	1.4	2.3	0.5	1.62	1.273	**	**	**	**
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	08/18/80-08/18/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	08/18/80-08/18/80	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	08/18/80-08/18/80	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/06/79-05/24/94	8	225.	245.875	580.	59.	26541.268	162.915	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	07/28/93-05/24/94	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/18/80-08/18/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/80-08/18/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/18/80-08/18/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/18/80-08/18/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/18/80-08/18/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	06/06/79-08/14/81	6	8500.	19250.	50000.	4000.	411575000.	20287.311	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/06/79-05/24/94	8	40500.	41012.5	89000.	7600.	1048584107.143	32381.848	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/06/79-05/24/94	8	32500.	25988.75	47000.	3300.	334639298.214	18293.149	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/18/80-08/18/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/18/80-08/18/80	1	190.	190.	190.	190.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/06/79-08/14/81	6	0.	21.667	100.	0.	1616.667	40.208	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/06/79-05/24/94	8	1085.	1188.75	2900.	200.	811698.214	900.943	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/06/79-08/14/81	6	1400.	1486.667	3000.	350.	796466.667	892.45	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/18/80-08/18/80	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/93-05/24/94	2	3645.	3645.	3690.	3600.	4050.	63.64	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/28/93-05/24/94	2	355.	355.	510.	200.	48050.	219.203	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/18/80-08/18/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/18/80-08/18/80	1	15000.	15000.	15000.	15000.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/10/79-08/14/81	5	413.	459.2	881.	124.	81370.7	285.255	**	**	**	**

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

Parameter Inventory for Station: ALPO0282

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/10/79-08/14/81	5	15.4	16.464	26.1	6.92	49.387	7.028	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/10/79-08/14/81	5	0.56	0.624	1.2	0.17	0.151	0.389	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/28/93-05/24/94	2	17.	17.	19.	15.	8.	2.828	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	08/10/79-08/14/81	5	3.6	3.66	7.1	0.2	6.133	2.476	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/18/80-08/18/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/06/79-08/14/81	5	104.	110.8	159.	56.	2068.7	45.483	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	06/06/79-08/14/81	5	4.7	3.9	7.3	1.3	6.68	2.585	**	**	**	**
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	08/18/80-08/18/80	1	16.	16.	16.	16.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0282

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	8	0	0.00	3	0	0.00	2	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	8	6	0.75	3	3	1.00	2	1	0.50	3	2	0.67			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00	1	1	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	8	4	0.50	3	3	1.00	2	0	0.00	3	1	0.33			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: ALPO0283

NPS Station ID: ALPO0283
LAT/LON: 40.241392/ -78.847226
Agency: 112WRD
Date Created: 05/28/94
Location: SITE 81 WINDBER QUAD
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 401429078505001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0283

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/93-07/13/93	1	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	07/13/93-07/13/93	1	1400.	1400.	1400.	1400.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/13/93-07/13/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/13/93-07/13/93	1	1020.	1020.	1020.	1020.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/13/93-07/13/93	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/13/93-07/13/93	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/93-07/13/93	1	15.849	15.849	15.849	15.849	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/13/93-07/13/93	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/13/93-07/13/93	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/93-07/13/93	1	19.953	19.953	19.953	19.953	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/13/93-07/13/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/13/93-07/13/93	1	954.	954.	954.	954.	0.	0.	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/13/93-07/13/93	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/13/93-07/13/93	1	717.	717.	717.	717.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	07/13/93-07/13/93	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/13/93-07/13/93	1	6860.	6860.	6860.	6860.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/13/93-07/13/93	1	6900.	6900.	6900.	6900.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/13/93-07/13/93	1	2750.	2750.	2750.	2750.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/13/93-07/13/93	1	2600.	2600.	2600.	2600.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/13/93-07/13/93	1	1910.	1910.	1910.	1910.	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/13/93-07/13/93	1	44.	44.	44.	44.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0283

				Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00							1	1	1.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0284

NPS Station ID: ALPO0284
LAT/LON: 40.380059/ -78.848866
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT35
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_UT35
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE NANTY GLO PA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT AT AN UNNAMED TRIBUTARY TO THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0284

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/94-08/10/94	1	15.4	15.4	15.4	15.4	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/10/94-08/10/94	1	462.	462.	462.	462.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/94-08/10/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/10/94-08/10/94	1	2244.	2244.	2244.	2244.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/10/94-08/10/94	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/10/94-08/10/94	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/10/94-08/10/94	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/10/94-08/10/94	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/10/94-08/10/94	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/10/94-08/10/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/94-08/10/94	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/10/94-08/10/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/94-08/10/94	1	1494.	1494.	1494.	1494.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/10/94-08/10/94	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/10/94-08/10/94	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/10/94-08/10/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/10/94-08/10/94	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/10/94-08/10/94	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/10/94-08/10/94	1	2080.	2080.	2080.	2080.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/10/94-08/10/94	1	2680.	2680.	2680.	2680.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0284

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0285

NPS Station ID: ALPO0285
LAT/LON: 40.339003/ -78.850059
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CLAPBOAR RUN CL-18
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_CL-18
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE CLAPBOARD RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0285

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/92-07/06/93	4	13.2	13.3	16.5	10.3	10.927	3.306	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/29/92-07/06/93	4	55.5	52.75	60.	40.	90.25	9.5	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/29/92-07/06/93	4	2225.	2250.	2350.	2200.	5000.	70.711	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/29/92-10/16/93	5	2862.	2832.8	2905.	2740.	4239.7	65.113	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/29/92-11/09/92	2	3.7	3.7	7.	0.4	21.78	4.667	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/29/92-10/16/93	5	2.8	2.8	3.	2.7	0.015	0.122	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/29/92-10/16/93	5	2.8	2.787	3.	2.7	0.015	0.123	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/92-10/16/93	5	1584.893	1632.062	1995.262	1000.	166945.276	408.589	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/29/92-07/06/93	4	2.9	2.875	3.1	2.6	0.049	0.222	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/29/92-07/06/93	4	2.889	2.832	3.1	2.6	0.052	0.227	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/92-07/06/93	4	1292.447	1472.777	2511.886	794.328	592043.09	769.443	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/92-10/16/93	5	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/29/92-10/16/93	5	816.	822.	872.	792.	1028.	32.062	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/29/92-10/16/93	5	2363.	2373.4	2875.	2026.	114794.3	338.813	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/29/92-10/16/93	5	79.	78.8	86.	72.	30.7	5.541	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/29/92-10/16/93	5	78.	78.2	85.	72.	29.2	5.404	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	07/06/93-07/06/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/29/92-10/16/93	5	3.9	3.94	4.2	3.8	0.028	0.167	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/29/92-10/16/93	5	3.9	3.92	4.2	3.8	0.027	0.164	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/29/92-10/16/93	5	74.	73.8	77.	69.	8.7	2.95	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/29/92-10/16/93	5	3348.	3146.4	3666.	2636.	205122.8	452.905	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/29/92-07/06/93	4	1491.	1507.75	1575.	1474.	2266.917	47.612	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0285

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	1	0.50				1	1	1.00	1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	5	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00	1	1	1.00	1	1	1.00	3	3	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00				1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				1	1	1.00	3	3	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	5	1.00	1	1	1.00	1	1	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: ALPO0286

NPS Station ID: ALPO0286
LAT/LON: 40.374781/ -78.850170
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-87
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-87
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0286

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/94-03/19/95	3	10.5	10.733	11.3	10.4	0.243	0.493	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/27/94-03/19/95	3	18.	28.333	59.	8.	730.333	27.025	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/27/94-03/19/95	3	1800.	1708.333	1800.	1525.	25208.333	158.771	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/94-03/19/95	3	2057.	1924.333	2081.	1635.	62929.333	250.857	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/27/94-09/20/94	2	9.75	9.75	10.3	9.2	0.605	0.778	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/27/94-03/19/95	3	3.	3.033	3.1	3.	0.003	0.058	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/27/94-03/19/95	3	3.	3.031	3.1	3.	0.003	0.058	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/94-03/19/95	3	1000.	931.443	1000.	794.328	14100.292	118.745	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/27/94-03/19/95	3	3.	2.433	3.	1.3	0.963	0.981	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/27/94-03/19/95	3	3.	1.76	3.	1.3	1.643	1.282	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/94-03/19/95	3	1000.	17372.908	50118.723	1000.	804216328.261	28358.708	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/94-03/19/95	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/27/94-03/19/95	3	274.	258.	296.	204.	2308.	48.042	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/27/94-03/19/95	3	1628.	1527.	1842.	1111.	141241.	375.82	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/27/94-03/19/95	3	5.	5.	6.	4.	1.	1.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/27/94-03/19/95	3	4.	4.333	6.	3.	2.333	1.528	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/27/94-03/19/95	3	4.5	4.1	4.8	3.	0.93	0.964	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/27/94-03/19/95	3	4.2	3.767	4.5	2.6	1.043	1.021	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/27/94-03/19/95	3	29.	25.333	30.	17.	52.333	7.234	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/27/94-03/19/95	3	2222.	1994.667	2322.	1440.	233241.333	482.951	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/27/94-03/19/95	3	1206.	1137.333	1206.	1000.	14145.333	118.934	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0286

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00				1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00	1	1	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00	1	1	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	3	1.00	1	1	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

Station Inventory for Station: ALPO0287

NPS Station ID: ALPO0287
LAT/LON: 40.339587/ -78.850059
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CLAPBOARD RUN CL-16
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_CL-16
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE CLAPBOARD RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0287

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/92-07/06/93	4	12.6	13.15	18.9	8.5	24.037	4.903	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/29/92-07/06/93	4	11.	16.5	37.	7.	201.	14.177	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/29/92-07/06/93	4	816.	777.75	1040.	439.	62321.583	249.643	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/29/92-10/19/93	5	1103.	1113.4	1318.	770.	47656.3	218.303	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/29/92-11/09/92	2	1.1	1.1	1.8	0.4	0.98	0.99	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/29/92-10/19/93	5	3.2	3.26	3.5	3.1	0.023	0.152	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/29/92-10/19/93	5	3.2	3.241	3.5	3.1	0.023	0.153	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/92-10/19/93	5	630.957	574.732	794.328	316.228	31694.589	178.03	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/29/92-07/06/93	4	3.3	3.25	3.4	3.	0.037	0.191	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/29/92-07/06/93	4	3.289	3.217	3.4	3.	0.038	0.195	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/92-07/06/93	4	514.532	606.793	1000.	398.107	80765.07	284.192	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/92-10/19/93	5	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/29/92-10/19/93	5	158.	145.6	200.	60.	2834.8	53.243	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/29/92-10/19/93	5	634.	501.36	741.	0.8	96172.348	310.117	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/29/92-10/19/93	5	11.	10.4	15.	4.	17.8	4.219	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/29/92-10/19/93	5	11.	10.2	14.	4.	15.7	3.962	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	07/06/93-10/19/93	2	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/29/92-10/19/93	5	1.	0.86	1.1	0.4	0.078	0.279	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/29/92-10/19/93	5	1.	0.84	1.	0.4	0.068	0.261	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/29/92-10/19/93	5	13.	12.	17.	5.	20.	4.472	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/29/92-10/19/93	5	1018.	884.8	1088.	404.	78769.2	280.659	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/29/92-07/06/93	4	546.5	521.	697.	294.	28008.667	167.358	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0287

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	2	1.00				1	1	1.00	1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	5	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00	1	1	1.00	1	1	1.00	3	3	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00				1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				1	1	1.00	3	3	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	4	0.80	1	0	0.00	1	1	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: ALPO0288

NPS Station ID: ALPO0288
LAT/LON: 40.373698/ -78.850449
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-90
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-90
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0288

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/94-03/19/95	3	12.	11.867	12.3	11.3	0.263	0.513	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/28/94-03/19/95	3	11.	434.333	1289.	3.	547857.333	740.174	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-03/19/95	3	1900.	1711.	2000.	1233.	173863.	416.969	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/94-03/19/95	3	2099.	2121.667	2354.	1912.	49226.333	221.87	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/08/94-11/08/94	1	9.7	9.7	9.7	9.7	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/28/94-03/19/95	3	3.2	3.167	3.2	3.1	0.003	0.058	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/28/94-03/19/95	3	3.2	3.164	3.2	3.1	0.003	0.058	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/94-03/19/95	3	630.957	685.414	794.328	630.957	8896.683	94.322	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/28/94-03/19/95	3	2.8	2.667	3.	2.2	0.173	0.416	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/28/94-03/19/95	3	2.8	2.528	3.	2.2	0.202	0.45	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/94-03/19/95	3	1584.893	2964.822	6309.573	1000.	8476045.617	2911.365	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	3	270.	270.667	328.	214.	3249.333	57.003	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/94-03/19/95	3	1724.	1992.333	2601.	1652.	279152.333	528.349	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/94-03/19/95	3	6.	35.	95.	4.	2701.	51.971	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/94-03/19/95	3	3.	4.	6.	3.	3.	1.732	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/94-03/19/95	3	3.9	3.433	4.2	2.2	1.163	1.079	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/94-03/19/95	3	3.6	3.267	4.2	2.	1.293	1.137	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/94-03/19/95	3	38.	31.667	38.	19.	120.333	10.97	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/94-03/19/95	3	2300.	2114.667	2388.	1656.	159717.333	399.647	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/94-03/19/95	3	1273.	1146.333	1340.	826.	78082.333	279.432	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0288

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00				2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				2	2	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00				2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				2	2	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0289

NPS Station ID: ALPO0289
LAT/LON: 40.373337/ -78.850726
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-91
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-91
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0289

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/94-03/19/95	2	11.7	11.7	12.2	11.2	0.5	0.707	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/28/94-03/19/95	2	18.5	18.5	32.	5.	364.5	19.092	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-03/19/95	2	1588.	1588.	1776.	1400.	70688.	265.872	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/94-03/19/95	2	1991.	1991.	2090.	1892.	19602.	140.007	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/28/94-03/19/95	2	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/28/94-03/19/95	2	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/94-03/19/95	2	630.957	630.957	630.957	630.957	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/28/94-03/19/95	2	2.65	2.65	3.	2.3	0.245	0.495	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/28/94-03/19/95	2	2.522	2.522	3.	2.3	0.278	0.527	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/94-03/19/95	2	3005.936	3005.936	5011.872	1000.	8047559.821	2836.822	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	2	244.	244.	272.	216.	1568.	39.598	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/94-03/19/95	2	1618.	1618.	1763.	1473.	42050.	205.061	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/94-03/19/95	2	3.	3.	3.	3.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/94-03/19/95	2	3.	3.	3.	3.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/94-03/19/95	2	3.25	3.25	4.3	2.2	2.205	1.485	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/94-03/19/95	2	3.05	3.05	4.2	1.9	2.645	1.626	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/94-03/19/95	2	26.5	26.5	35.	18.	144.5	12.021	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/94-03/19/95	2	2166.	2166.	2568.	1764.	323208.	568.514	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/94-03/19/95	2	1064.	1064.	1190.	938.	31752.	178.191	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0289

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00				1	1	1.00	1	1	1.00			

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

Station Inventory for Station: ALPO0290

NPS Station ID: ALPO0290
LAT/LON: 40.340365/ -78.850560
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CLAPBOARD RUN CL-21
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_CL-21
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT CLAPBOARD RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0290

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/92-07/29/92	1	17.2	17.2	17.2	17.2	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/29/92-07/29/92	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/29/92-07/29/92	1	500.	500.	500.	500.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/29/92-07/29/92	1	532.	532.	532.	532.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/29/92-07/29/92	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/29/92-07/29/92	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/92-07/29/92	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/29/92-07/29/92	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/29/92-07/29/92	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/92-07/29/92	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/92-07/29/92	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/29/92-07/29/92	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/29/92-07/29/92	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/29/92-07/29/92	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/29/92-07/29/92	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/29/92-07/29/92	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/29/92-07/29/92	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/29/92-07/29/92	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/29/92-07/29/92	1	392.	392.	392.	392.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/29/92-07/29/92	1	335.	335.	335.	335.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0290

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0291

NPS Station ID: ALPO0291
LAT/LON: 40.338920/ -78.850698
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CLAPBOARD RUN CL-17
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_CL-17
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT CLAPBOARD RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0291

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/92-11/09/92	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	11/09/92-11/09/92	1	601.	601.	601.	601.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/09/92-11/09/92	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/09/92-11/09/92	1	258.	258.	258.	258.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/09/92-11/09/92	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/09/92-11/09/92	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/09/92-11/09/92	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/09/92-11/09/92	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/09/92-11/09/92	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/09/92-11/09/92	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/09/92-11/09/92	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/09/92-11/09/92	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/09/92-11/09/92	1	59.	59.	59.	59.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/09/92-11/09/92	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	11/09/92-11/09/92	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/09/92-11/09/92	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/09/92-11/09/92	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/09/92-11/09/92	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/09/92-11/09/92	1	152.	152.	152.	152.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	11/09/92-11/09/92	1	107.	107.	107.	107.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0291

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: ALPO0292

NPS Station ID: ALPO0292
LAT/LON: 40.372115/ -78.850781
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-93
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-93
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0292

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/94-03/19/95	3	11.6	12.033	13.	11.5	0.703	0.839	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/28/94-03/19/95	3	18.	30.667	63.	11.	796.333	28.219	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-03/19/95	3	1900.	1823.333	2000.	1570.	50633.333	225.019	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/94-03/19/95	3	2168.	2237.333	2475.	2069.	44814.333	211.694	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/28/94-11/08/94	2	8.4	8.4	9.4	7.4	2.	1.414	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/28/94-03/19/95	3	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/28/94-03/19/95	3	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/94-03/19/95	3	630.957	630.957	630.957	630.957	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/28/94-03/19/95	3	2.6	2.733	3.1	2.5	0.103	0.321	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/28/94-03/19/95	3	2.6	2.666	3.1	2.5	0.11	0.332	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/94-03/19/95	3	2511.886	2156.164	3162.278	794.328	1496699.899	1223.397	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	3	212.	226.667	276.	192.	1925.333	43.879	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/94-03/19/95	3	1772.	2138.667	2943.	1701.	486474.333	697.477	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/94-03/19/95	3	3.	2.667	3.	2.	0.333	0.577	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/94-03/19/95	3	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/94-03/19/95	3	2.7	2.5	3.	1.8	0.39	0.624	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/94-03/19/95	3	2.7	2.467	3.	1.7	0.463	0.681	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/94-03/19/95	3	27.	25.333	32.	17.	58.333	7.638	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/94-03/19/95	3	2446.	2380.667	2668.	2028.	105601.333	324.964	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/94-03/19/95	3	1273.	1221.667	1340.	1052.	22712.333	150.706	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0292

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00				1	0	0.00	1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00				2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				2	2	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00				2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				2	2	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0293

NPS Station ID: ALPO0293
LAT/LON: 40.374837/ -78.851031
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-86
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-86
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0293

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/94-03/19/95	3	10.7	10.833	11.2	10.6	0.103	0.321	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/27/94-03/19/95	3	7.	36.333	101.	1.	3145.333	56.083	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/27/94-03/19/95	3	1700.	1663.333	1800.	1490.	25033.333	158.219	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/94-03/19/95	3	1913.	1917.333	1953.	1886.	1136.333	33.71	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/27/94-09/20/94	2	8.7	8.7	9.4	8.	0.98	0.99	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/27/94-03/19/95	3	3.	3.	3.	3.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/27/94-03/19/95	3	3.	3.	3.	3.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/94-03/19/95	3	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/27/94-03/19/95	3	1.3	1.767	2.9	1.1	0.973	0.987	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/27/94-03/19/95	3	1.3	1.36	2.9	1.1	1.221	1.105	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/94-03/19/95	3	50118.723	43603.491	79432.823	1258.925	1559625776.507	39492.098	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/94-03/19/95	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/27/94-03/19/95	3	270.	269.333	286.	252.	289.333	17.01	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/27/94-03/19/95	3	1529.	1574.	1826.	1367.	54189.	232.785	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/27/94-03/19/95	3	8.	7.333	9.	5.	4.333	2.082	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/27/94-03/19/95	3	7.	6.667	8.	5.	2.333	1.528	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/27/94-03/19/95	3	4.2	4.233	4.3	4.2	0.003	0.058	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/27/94-03/19/95	3	4.	4.	4.3	3.7	0.09	0.3	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/27/94-03/19/95	3	27.	26.	30.	21.	21.	4.583	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/27/94-03/19/95	3	1926.	1301.6	1960.	18.8	1234470.88	1111.067	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/27/94-03/19/95	3	1139.	1115.	1206.	1000.	11041.	105.076	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0293

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00				1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00	1	1	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00	1	1	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	3	1.00	1	1	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

Station Inventory for Station: ALPO0294

NPS Station ID: ALPO0294
LAT/LON: 40.372976/ -78.850976
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-92
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-92
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0294

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/94-03/19/95	3	12.	14.333	19.7	11.3	21.723	4.661	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/28/94-03/19/95	3	2.	2.333	4.	1.	2.333	1.528	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-03/19/95	3	1613.	1671.	1800.	1600.	12523.	111.906	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/94-03/19/95	3	1923.	1896.667	2132.	1635.	62272.333	249.544	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/08/94-11/08/94	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/28/94-03/19/95	3	3.2	3.167	3.2	3.1	0.003	0.058	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/28/94-03/19/95	3	3.2	3.164	3.2	3.1	0.003	0.058	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/94-03/19/95	3	630.957	685.414	794.328	630.957	8896.683	94.322	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/28/94-03/19/95	3	3.	2.8	3.2	2.2	0.28	0.529	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/28/94-03/19/95	3	3.	2.577	3.2	2.2	0.354	0.595	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/94-03/19/95	3	1000.	2646.844	6309.573	630.957	10095740.577	3177.38	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	3	278.	274.667	304.	242.	969.333	31.134	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/94-03/19/95	3	1523.	1851.	2713.	1317.	567892.	753.586	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/94-03/19/95	3	42.	40.	43.	35.	19.	4.359	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/94-03/19/95	3	28.	29.333	36.	24.	37.333	6.11	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/94-03/19/95	3	3.6	3.467	3.9	2.9	0.263	0.513	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/94-03/19/95	3	3.5	3.267	3.6	2.7	0.243	0.493	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/94-03/19/95	3	22.	22.333	28.	17.	30.333	5.508	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/94-03/19/95	3	2186.	2046.667	2314.	1640.	128129.333	357.952	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	11/08/94-03/19/95	2	1139.	1139.	1206.	1072.	8978.	94.752	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0294

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00				2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				2	2	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00				2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				2	2	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0295

NPS Station ID: ALPO0295
LAT/LON: 40.371753/ -78.851059
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-94
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-94
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0295

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/94-03/19/95	3	12.5	12.667	13.7	11.8	0.923	0.961	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/28/94-03/19/95	3	8.	6.333	8.	3.	8.333	2.887	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-03/19/95	3	2000.	2000.	2100.	1900.	10000.	100.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/94-03/19/95	3	2142.	2224.667	2442.	2090.	36101.333	190.004	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/28/94-07/28/94	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/28/94-03/19/95	3	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/28/94-03/19/95	3	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/94-03/19/95	3	630.957	630.957	630.957	630.957	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/28/94-03/19/95	3	3.1	2.867	3.1	2.4	0.163	0.404	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/28/94-03/19/95	3	3.1	2.731	3.1	2.4	0.191	0.437	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/94-03/19/95	3	794.328	1856.576	3981.072	794.328	3385111.316	1839.867	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	3	206.	220.667	264.	192.	1457.333	38.175	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/94-03/19/95	3	1798.	2096.333	2815.	1676.	391082.333	625.366	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/94-03/19/95	3	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/94-03/19/95	3	1.	1.333	2.	1.	0.333	0.577	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/94-03/19/95	3	2.7	2.5	2.9	1.9	0.28	0.529	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/94-03/19/95	3	2.7	2.367	2.9	1.5	0.573	0.757	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/94-03/19/95	3	26.	25.	31.	18.	43.	6.557	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/94-03/19/95	3	2428.	2375.333	2676.	2022.	109009.333	330.166	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/94-03/19/95	3	1340.	1340.	1407.	1273.	4489.	67.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0295

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00				2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				2	2	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00				2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				2	2	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0296

NPS Station ID: ALPO0296 LAT/LON: 40.376226/ -78.851337 Agency: 11NPSWRD Date Created: 01/31/98
Location: SECOND STREAM EAST OF STAPLE BEND TUNNEL FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ALPO_PA_2SESBT
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE NANTY GLO-PA CAMBRIA COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE SECOND TRIBUTARY EAST OF THE STAPLE BEND TUNNEL ON THE BLAIR GAP RUN. THE SITE IS LOCATED INSIDE THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE. THE DATA ARE FROM A REPORT BY THE PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. THE REPORT IS FROM MARCH 1997 AND IS TITLED "AQUATIC RESOURCES OF THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE FINAL REPORT." THE REPORT HAS AN ADDENDUM WITH ADDITIONAL DATA. THE REPORT IS BY DEAN ARNOLD; BIOLOGICAL RESOURCES DIVISION; USGS; PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT ALLEGHENY PORTAGE RAILROAD NHS; PO BOX 189; CRESSON PA 16630 (814-886-6100). DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (970-225-3516).

Parameter Inventory for Station: ALPO0296

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	05/15/96-05/15/96	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/15/96-05/15/96	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/96-05/15/96	1	158.489	158.489	158.489	158.489	0.	0.	**	**	**	**
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/15/96-05/15/96	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0296

				Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			

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

Station Inventory for Station: ALPO0297

NPS Station ID: ALPO0297
LAT/LON: 40.371531/ -78.851337
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-95
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-95
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0297

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/94-03/19/95	3	13.	13.267	16.8	10.	11.613	3.408	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/28/94-03/19/95	3	8.	7.	12.	1.	31.	5.568	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-03/19/95	3	1100.	979.667	1219.	620.	100560.333	317.112	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/94-03/19/95	3	716.	940.	1508.	596.	245568.	495.548	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/08/94-11/08/94	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/28/94-03/19/95	3	6.3	5.9	6.8	4.6	1.33	1.153	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/28/94-03/19/95	3	6.3	5.066	6.8	4.6	2.374	1.541	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/94-03/19/95	3	0.501	8.593	25.119	0.158	204.861	14.313	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/28/94-03/19/95	3	3.9	4.833	7.	3.6	3.543	1.882	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/28/94-03/19/95	3	3.9	3.901	7.	3.6	4.848	2.202	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/94-03/19/95	3	125.893	125.727	251.189	0.1	15761.397	125.544	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	3	38.	32.667	58.	2.	805.333	28.378	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	3	0.	42.	126.	0.	5292.	72.746	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/94-03/19/95	3	349.	765.	1642.	304.	577353.	759.837	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/94-03/19/95	3	3.	2.933	5.	0.8	4.413	2.101	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/94-03/19/95	3	0.7	0.597	1.	0.09	0.215	0.464	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/94-03/19/95	3	0.1	0.523	1.4	0.07	0.577	0.759	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/94-03/19/95	3	0.2	0.52	1.3	0.06	0.461	0.679	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/94-03/19/95	3	4.	8.667	20.	2.	97.333	9.866	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/94-03/19/95	3	590.	876.	1450.	588.	247108.	497.1	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/94-03/19/95	3	737.	656.	816.	415.	45121.	212.417	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0297

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00				2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	2	0.67				2	1	0.50	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00				2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	2	0.67				2	1	0.50	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0298

NPS Station ID: ALPO0298
LAT/LON: 40.374115/ -78.852032
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-88
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-88
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL BUT INSIDE THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0298

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/94-09/20/94	2	13.	13.	14.5	11.5	4.5	2.121	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/28/94-09/20/94	2	21.5	21.5	26.	17.	40.5	6.364	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-09/20/94	2	1791.5	1791.5	2000.	1583.	86944.5	294.864	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/94-09/20/94	2	2092.5	2092.5	2128.	2057.	2520.5	50.205	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/28/94-09/20/94	2	5.45	5.45	7.8	3.1	11.045	3.323	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/28/94-09/20/94	2	3.5	3.5	3.6	3.4	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/28/94-09/20/94	2	3.489	3.489	3.6	3.4	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/94-09/20/94	2	324.648	324.648	398.107	251.189	10792.527	103.887	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/28/94-09/20/94	2	2.4	2.4	2.5	2.3	0.02	0.141	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/28/94-09/20/94	2	2.389	2.389	2.5	2.3	0.02	0.142	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/94-09/20/94	2	4087.075	4087.075	5011.872	3162.278	1710500.233	1307.861	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/94-09/20/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/94-09/20/94	2	363.	363.	382.	344.	722.	26.87	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/94-09/20/94	2	1724.	1724.	2015.	1433.	169362.	411.536	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/94-09/20/94	2	123.5	123.5	126.	121.	12.5	3.536	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/94-09/20/94	2	95.5	95.5	105.	86.	180.5	13.435	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/94-09/20/94	2	5.9	5.9	6.4	5.4	0.5	0.707	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/94-09/20/94	2	5.5	5.5	5.7	5.3	0.08	0.283	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/94-09/20/94	2	22.5	22.5	24.	21.	4.5	2.121	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/94-09/20/94	2	2590.	2590.	2600.	2580.	200.	14.142	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/94-09/20/94	2	1185.	1185.	1370.	1000.	68450.	261.63	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0298

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	1	0.50	1	1	1.00				1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00	1	1	1.00				1	1	1.00			

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

Station Inventory for Station: ALPO0299

NPS Station ID: ALPO0299
LAT/LON: 40.375337/ -78.851977
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-85
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-85
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE NANTY GLO PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL BUT INSIDE THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0299

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/94-09/20/94	2	12.55	12.55	12.6	12.5	0.005	0.071	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/28/94-09/20/94	2	10.5	10.5	13.	8.	12.5	3.536	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-09/20/94	2	1484.	1484.	1500.	1468.	512.	22.627	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/94-09/20/94	2	1881.	1881.	1892.	1870.	242.	15.556	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/28/94-09/20/94	2	1.	1.	1.2	0.8	0.08	0.283	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/28/94-09/20/94	2	3.45	3.45	3.5	3.4	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/28/94-09/20/94	2	3.447	3.447	3.5	3.4	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/94-09/20/94	2	357.167	357.167	398.107	316.228	3352.118	57.897	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/28/94-09/20/94	2	2.4	2.4	2.6	2.2	0.08	0.283	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/28/94-09/20/94	2	2.355	2.355	2.6	2.2	0.084	0.29	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/94-09/20/94	2	4410.73	4410.73	6309.573	2511.886	7211213.325	2685.37	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/94-09/20/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/94-09/20/94	2	400.	400.	416.	384.	512.	22.627	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/94-09/20/94	2	1698.5	1698.5	1890.	1507.	73344.5	270.822	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/94-09/20/94	2	144.5	144.5	148.	141.	24.5	4.95	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/94-09/20/94	2	124.5	124.5	130.	119.	60.5	7.778	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/94-09/20/94	2	7.	7.	7.3	6.7	0.18	0.424	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/94-09/20/94	2	6.55	6.55	6.9	6.2	0.245	0.495	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/94-09/20/94	2	18.5	18.5	19.	18.	0.5	0.707	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/94-09/20/94	2	2237.	2237.	2290.	2184.	5618.	74.953	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/94-09/20/94	2	994.	994.	1005.	983.	242.	15.556	**	**	**	**

** - 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: ALPO0299

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	2	1.00	1	1	1.00				1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00	1	1	1.00				1	1	1.00			

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

Station Inventory for Station: ALPO0300

NPS Station ID: ALPO0300
LAT/LON: 40.370392/ -78.852448
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-97
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-97
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0300

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/94-03/19/95	3	12.7	12.3	13.	11.2	0.93	0.964	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/28/94-03/19/95	3	25.	22.667	27.	16.	34.333	5.859	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-03/19/95	3	2160.	2120.	2300.	1900.	41200.	202.978	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/94-03/19/95	3	2409.	2357.667	2618.	2046.	83772.333	289.435	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/28/94-11/08/94	2	7.5	7.5	7.6	7.4	0.02	0.141	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/28/94-03/19/95	3	2.9	2.967	3.1	2.9	0.013	0.115	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/28/94-03/19/95	3	2.9	2.957	3.1	2.9	0.013	0.116	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/94-03/19/95	3	1258.925	1104.06	1258.925	794.328	71950.179	268.235	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/28/94-03/19/95	3	2.7	2.533	2.9	2.	0.223	0.473	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/28/94-03/19/95	3	2.7	2.355	2.9	2.	0.271	0.521	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/94-03/19/95	3	1995.262	4418.063	10000.	1258.925	23504067.066	4848.099	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/94-03/19/95	3	382.	348.	420.	242.	8788.	93.744	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/94-03/19/95	3	1789.	2238.	3289.	1636.	834303.	913.402	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/94-03/19/95	3	7.	7.333	9.	6.	2.333	1.528	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/94-03/19/95	3	6.	7.	9.	6.	3.	1.732	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/94-03/19/95	3	3.3	3.	3.7	2.	0.79	0.889	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/94-03/19/95	3	3.3	2.933	3.5	2.	0.663	0.814	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/94-03/19/95	3	40.	34.667	44.	20.	165.333	12.858	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/94-03/19/95	3	2522.	2377.333	2742.	1868.	206665.333	454.605	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/94-03/19/95	3	1447.	1420.333	1541.	1273.	18489.333	135.975	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0300

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00				1	0	0.00	1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00				2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				2	2	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00				2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				2	2	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0301

NPS Station ID: ALPO0301
LAT/LON: 40.371310/ -78.852920
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-96
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-96
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL BUT INSIDE THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0301

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/94-05/24/95	3	12.	11.567	12.8	9.9	2.243	1.498	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/28/94-05/24/95	3	6.	9.333	19.	3.	72.333	8.505	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-05/24/95	3	1600.	1460.	1680.	1100.	98800.	314.325	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/94-05/24/95	3	1856.	1703.333	1959.	1295.	127704.333	357.357	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/28/94-05/24/95	3	8.1	8.167	8.4	8.	0.043	0.208	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/28/94-05/24/95	3	3.1	4.2	6.4	3.1	3.63	1.905	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/28/94-05/24/95	3	3.1	3.276	6.4	3.1	4.911	2.216	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/94-05/24/95	3	794.328	529.685	794.328	0.398	210108.349	458.376	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/28/94-05/24/95	3	3.1	2.8	3.1	2.2	0.27	0.52	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/28/94-05/24/95	3	3.1	2.58	3.1	2.2	0.343	0.586	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/94-05/24/95	3	794.328	2632.743	6309.573	794.328	10139309.909	3184.228	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/94-05/24/95	3	0.	52.	156.	0.	8112.	90.067	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/94-05/24/95	3	266.	188.	298.	0.	26764.	163.597	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/94-05/24/95	3	1471.	1529.	2499.	617.	888004.	942.34	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/94-05/24/95	3	2.	18.	51.	1.	817.	28.583	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/94-05/24/95	3	1.	16.667	48.	1.	736.333	27.135	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/94-05/24/95	3	3.2	2.467	3.4	0.8	2.093	1.447	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/94-05/24/95	3	3.1	2.433	3.4	0.8	2.023	1.422	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/94-05/24/95	3	33.	22.7	35.	0.1	384.07	19.598	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/94-05/24/95	3	1956.	1641.333	2002.	966.	342585.333	585.308	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/94-05/24/95	3	1072.	978.	1125.	737.	44263.	210.388	**	**	**	**

** - 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

EPA Water Quality Criteria Analysis for Station: ALPO0301

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	0	0.00				1	0	0.00	2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				1	1	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				1	1	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	3	1.00				1	1	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: ALPO0302

NPS Station ID: ALPO0302
LAT/LON: 40.343448/ -78.853115
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CLAPBOARD RUN CL-43
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_CL-43
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE CLAPBOARD RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0302

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/92-08/03/92	1	13.4	13.4	13.4	13.4	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/03/92-08/03/92	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/92-08/03/92	1	360.	360.	360.	360.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/03/92-08/03/92	1	403.	403.	403.	403.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/03/92-08/03/92	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/03/92-08/03/92	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/03/92-08/03/92	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/92-08/03/92	1	7.943	7.943	7.943	7.943	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/03/92-08/03/92	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/03/92-08/03/92	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/92-08/03/92	1	6.31	6.31	6.31	6.31	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/92-08/03/92	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/03/92-08/03/92	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/03/92-08/03/92	1	157.	157.	157.	157.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/03/92-08/03/92	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/03/92-08/03/92	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/03/92-08/03/92	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/03/92-08/03/92	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/03/92-08/03/92	1	1.	1.	1.	1.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/03/92-08/03/92	1	310.	310.	310.	310.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/03/92-08/03/92	1	241.	241.	241.	241.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0302

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	0 &	0	0.00												
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0303

NPS Station ID: ALPO0303
LAT/LON: 40.340088/ -78.853338
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CLAPBOARD RUN CL-44
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_CL-44
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE CLAPBOARD RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0303

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/92-11/09/92	1	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/09/92-11/09/92	1	81.	81.	81.	81.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/09/92-11/09/92	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/09/92-11/09/92	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/09/92-11/09/92	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/09/92-11/09/92	1	31.623	31.623	31.623	31.623	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/09/92-11/09/92	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/09/92-11/09/92	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/09/92-11/09/92	1	1.259	1.259	1.259	1.259	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/09/92-11/09/92	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/09/92-11/09/92	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/09/92-11/09/92	1	44.	44.	44.	44.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/09/92-11/09/92	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	11/09/92-11/09/92	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/09/92-11/09/92	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/09/92-11/09/92	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/09/92-11/09/92	1	1.	1.	1.	1.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/09/92-11/09/92	1	72.	72.	72.	72.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	11/09/92-11/09/92	1	54.	54.	54.	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

EPA Water Quality Criteria Analysis for Station: ALPO0303

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: ALPO0304

NPS Station ID: ALPO0304
LAT/LON: 40.376726/ -78.853754
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-84
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-84
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE NANTY GLO PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0304

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/94-05/24/95	3	15.8	16.4	18.5	14.9	3.51	1.873	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/28/94-05/24/95	3	5.	7.333	15.	2.	46.333	6.807	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/94-05/24/95	3	1300.	1241.	1523.	900.	99643.	315.663	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/94-05/24/95	3	1476.	1388.	1573.	1115.	58249.	241.348	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/28/94-05/24/95	3	3.3	4.2	6.	3.3	2.43	1.559	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/28/94-05/24/95	3	3.3	3.476	6.	3.3	3.217	1.794	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/94-05/24/95	3	501.187	334.458	501.187	1.	83395.756	288.783	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/28/94-05/24/95	3	2.4	3.467	5.9	2.1	4.463	2.113	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/28/94-05/24/95	3	2.4	2.401	5.9	2.1	6.168	2.484	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/94-05/24/95	3	3981.072	3975.204	7943.282	1.259	15768959.828	3971.015	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/94-05/24/95	3	0.	6.	18.	0.	108.	10.392	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/94-05/24/95	3	108.	104.	128.	76.	688.	26.23	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/94-05/24/95	3	923.	1014.667	1413.	708.	130558.333	361.329	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/94-05/24/95	3	37.	35.333	46.	23.	134.333	11.59	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/94-05/24/95	3	27.	31.333	42.	25.	86.333	9.292	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/94-05/24/95	3	3.5	3.267	4.4	1.9	1.603	1.266	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/94-05/24/95	3	3.4	3.733	4.4	3.4	0.333	0.577	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/94-05/24/95	3	1.	0.767	1.	0.3	0.163	0.404	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/94-05/24/95	3	1178.	1246.	1482.	1078.	44272.	210.409	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/94-05/24/95	3	871.	824.667	1000.	603.	41012.333	202.515	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0304

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00				2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00				2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	3	1.00	1	1	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: ALPO0305

NPS Station ID: ALPO0305
LAT/LON: 40.340698/ -78.854143
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CLAPBOARD RUN CL-48
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_CL-48
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT CLAPBOARD RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0305

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/92-11/09/92	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	11/09/92-11/09/92	1	680.	680.	680.	680.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/09/92-11/09/92	1	251.	251.	251.	251.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/09/92-11/09/92	1	398.	398.	398.	398.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/09/92-11/09/92	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/09/92-11/09/92	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/09/92-11/09/92	1	12.589	12.589	12.589	12.589	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/09/92-11/09/92	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/09/92-11/09/92	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/09/92-11/09/92	1	2.512	2.512	2.512	2.512	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/09/92-11/09/92	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/09/92-11/09/92	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/09/92-11/09/92	1	174.	174.	174.	174.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/09/92-11/09/92	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	11/09/92-11/09/92	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/09/92-11/09/92	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/09/92-11/09/92	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/09/92-11/09/92	1	4.	4.	4.	4.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/09/92-11/09/92	1	224.	224.	224.	224.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	11/09/92-11/09/92	1	168.	168.	168.	168.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0305

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: ALPO0306

NPS Station ID: ALPO0306
LAT/LON: 40.343087/ -78.854003
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CLAPBOARD RUN CL-42
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_CL-42
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE CLAPBOARD RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0306

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/92-08/03/92	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/03/92-08/03/92	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/92-08/03/92	1	400.	400.	400.	400.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/03/92-08/03/92	1	456.	456.	456.	456.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/03/92-08/03/92	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/03/92-08/03/92	1	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/03/92-08/03/92	1	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/92-08/03/92	1	3.981	3.981	3.981	3.981	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/03/92-08/03/92	1	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/03/92-08/03/92	1	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/92-08/03/92	1	3.981	3.981	3.981	3.981	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/92-08/03/92	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/03/92-08/03/92	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/03/92-08/03/92	1	197.	197.	197.	197.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/03/92-08/03/92	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/03/92-08/03/92	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/03/92-08/03/92	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/03/92-08/03/92	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/03/92-08/03/92	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/03/92-08/03/92	1	346.	346.	346.	346.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/03/92-08/03/92	1	268.	268.	268.	268.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0306

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00	1	1	1.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0307

NPS Station ID: ALPO0307
LAT/LON: 40.383670/ -78.853976
Agency: 11NPSWRD
Date Created: 10/17/98
Location: UNNAMED TRIBUTARY UT35-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_UT35-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE NANTY GLO PA 7.5 MINUTE SERIES (TOPO.) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT AT AN UN-NAMED TRIBUTARY TO LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0307

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/94-08/10/94	1	16.2	16.2	16.2	16.2	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/10/94-08/10/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/94-08/10/94	1	1230.	1230.	1230.	1230.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/10/94-08/10/94	1	2163.	2163.	2163.	2163.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/10/94-08/10/94	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/10/94-08/10/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/10/94-08/10/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/10/94-08/10/94	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/10/94-08/10/94	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/10/94-08/10/94	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/10/94-08/10/94	1	5011.872	5011.872	5011.872	5011.872	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/94-08/10/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/10/94-08/10/94	1	492.	492.	492.	492.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/94-08/10/94	1	1639.	1639.	1639.	1639.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/10/94-08/10/94	1	65.	65.	65.	65.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/10/94-08/10/94	1	53.	53.	53.	53.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/10/94-08/10/94	1	31.2	31.2	31.2	31.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/10/94-08/10/94	1	31.1	31.1	31.1	31.1	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/10/94-08/10/94	1	39.	39.	39.	39.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/10/94-08/10/94	1	2610.	2610.	2610.	2610.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/10/94-08/10/94	1	824.	824.	824.	824.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0307

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	0 &	0	0.00												
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0308

NPS Station ID: ALPO0308
LAT/LON: 40.352920/ -78.854476
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-100
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-100
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0308

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/19/94-12/06/94	2	12.75	12.75	16.5	9.	28.125	5.303	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/19/94-12/06/94	2	19.5	19.5	35.	4.	480.5	21.92	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/19/94-12/06/94	2	686.	686.	1202.	170.	532512.	729.734	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/94-12/06/94	2	1193.5	1193.5	2131.	256.	1757812.5	1325.825	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/19/94-07/19/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/19/94-12/06/94	2	3.9	3.9	4.8	3.	1.62	1.273	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/19/94-12/06/94	2	3.294	3.294	4.8	3.	2.354	1.534	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/19/94-12/06/94	2	507.924	507.924	1000.	15.849	484276.662	695.9	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/19/94-12/06/94	2	4.35	4.35	6.4	2.3	8.405	2.899	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/19/94-12/06/94	2	2.601	2.601	6.4	2.3	14.523	3.811	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/19/94-12/06/94	2	2506.135	2506.135	5011.872	0.398	12557436.974	3543.647	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/94-12/06/94	2	1.	1.	2.	0.	2.	1.414	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/19/94-12/06/94	2	371.	371.	694.	48.	208658.	456.791	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/19/94-12/06/94	2	950.	950.	1748.	152.	1273608.	1128.542	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/19/94-12/06/94	2	54.5	54.5	102.	7.	4512.5	67.175	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/19/94-12/06/94	2	49.	49.	96.	2.	4418.	66.468	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/19/94-12/06/94	2	2.55	2.55	4.8	0.3	10.125	3.182	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/19/94-12/06/94	2	2.4	2.4	4.6	0.2	9.68	3.111	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/19/94-12/06/94	2	33.	33.	62.	4.	1682.	41.012	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/19/94-12/06/94	2	1507.	1507.	2824.	190.	3468978.	1862.519	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/19/94-12/06/94	2	459.5	459.5	805.	114.	238740.5	488.611	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0308

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00							1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	1	0.50				1	0	0.00	1	1	1.00			

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

Station Inventory for Station: ALPO0309

NPS Station ID: ALPO0309 | LAT/LON: 40.357003/ -78.856003 | Agency: 11NPSWRD | Date Created: 01/31/98
Location: STREAM WEST OF STAPLE BEND TUNNEL | FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): ALPO_PA_7
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 05010007 | Depth of Water: 0 | Aquifer:
Major Basin: OHIO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: ALLEGHENY RIVER | ECO Region:
RF1 Index: 05010007 | RF1 Mile Point: 0.000 | Distance from RF1: 18.20 | On/Off RF1:
RF3 Index: 02050303019600.00 | RF3 Mile Point: 1.33 | Distance from RF3: 0.38 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN-PA CAMBRIA COUNTY 7.5 MINUTE (TOPOGRAPHIC) QUADRANGLE. THE SITE IS ON A TRIBUTARY TO THE LITTLE CONEMAUGH RIVER WEST OF THE STAPLE BEND TUNNEL AND IS INSIDE THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE.
THE DATA ARE FROM A REPORT BY THE PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. THE REPORT IS FROM MARCH 1997 AND IS TITLED "AQUATIC RESOURCES OF THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE FINAL REPORT." THE REPORT HAS AN ADDENDUM WITH ADDITIONAL DATA. THE REPORT IS BY DEAN ARNOLD; BIOLOGICAL RESOURCES DIVISION; USGS; PENNSYLVANIA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT ALLEGHENY PORTAGE RAILROAD NHS; PO BOX 189; CRESSON PA 16630 (814-886-6100). DATA PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (970-225-3516).

Parameter Inventory for Station: ALPO0309

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	05/15/96-05/23/96	2	6.35	6.35	6.5	6.2	0.045	0.212	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/15/96-05/23/96	2	6.325	6.325	6.5	6.2	0.046	0.215	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/96-05/23/96	2	0.474	0.474	0.631	0.316	0.05	0.223	**	**	**	**
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/15/96-05/23/96	2	6.5	6.5	7.	6.	0.5	0.707	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0309

				Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	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: ALPO0310

NPS Station ID: ALPO0310
LAT/LON: 40.352782/ -78.857143
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-101
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-101
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0310

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/19/94-12/06/94	2	12.2	12.2	14.2	10.2	8.	2.828	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/19/94-12/06/94	2	14.5	14.5	25.	4.	220.5	14.849	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/19/94-12/06/94	2	1636.	1636.	1772.	1500.	36992.	192.333	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/19/94-12/06/94	2	1941.	1941.	2236.	1646.	174050.	417.193	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/19/94-07/19/94	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/19/94-12/06/94	2	2.85	2.85	2.9	2.8	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/19/94-12/06/94	2	2.847	2.847	2.9	2.8	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/19/94-12/06/94	2	1421.909	1421.909	1584.893	1258.925	53127.497	230.494	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/19/94-12/06/94	2	2.3	2.3	2.6	2.	0.18	0.424	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/19/94-12/06/94	2	2.204	2.204	2.6	2.	0.199	0.446	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/19/94-12/06/94	2	6255.943	6255.943	10000.	2511.886	28035922.407	5294.896	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/94-12/06/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/19/94-12/06/94	2	417.	417.	508.	326.	16562.	128.693	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/19/94-12/06/94	2	1127.	1127.	1485.	769.	256328.	506.288	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/19/94-12/06/94	2	6.	6.	8.	4.	8.	2.828	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/19/94-12/06/94	2	6.	6.	8.	4.	8.	2.828	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/19/94-12/06/94	2	4.2	4.2	5.2	3.2	2.	1.414	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/19/94-12/06/94	2	4.05	4.05	4.9	3.2	1.445	1.202	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/19/94-12/06/94	2	43.5	43.5	57.	30.	364.5	19.092	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/19/94-12/06/94	2	1862.	1862.	2598.	1126.	1083392.	1040.861	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/19/94-12/06/94	2	1096.	1096.	1187.	1005.	16562.	128.693	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0310

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00				1	1	1.00	1	1	1.00			

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

Station Inventory for Station: ALPO0311

NPS Station ID: ALPO0311
LAT/LON: 40.245560/ -78.858892
Agency: 112WRD
Date Created: 05/28/94
Location: SITE 184 WINDBER QUAD
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 401444078513201
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0311

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/93-04/19/94	2	13.5	13.5	13.5	13.5	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	07/15/93-04/19/94	2	60.	60.	75.	45.	450.	21.213	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/15/93-04/19/94	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/15/93-04/19/94	2	2705.	2705.	2710.	2700.	50.	7.071	**	**	**	**
00400	PH (STANDARD UNITS)	07/15/93-04/19/94	2	2.65	2.65	2.8	2.5	0.045	0.212	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/15/93-04/19/94	2	2.625	2.625	2.8	2.5	0.046	0.215	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/93-04/19/94	2	2373.585	2373.585	3162.278	1584.893	1244070.879	1115.379	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/15/93-07/15/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/15/93-07/15/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/93-07/15/93	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/15/93-04/19/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	07/15/93-04/19/94	2	146.	146.	178.	114.	2048.	45.255	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/15/93-04/19/94	2	2639.	2639.	2790.	2488.	45602.	213.546	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/15/93-04/19/94	2	20.75	20.75	23.4	18.1	14.045	3.748	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/15/93-04/19/94	2	2186.	2186.	2314.	2058.	32768.	181.019	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	07/15/93-04/19/94	2 ##	0.245	0.245	0.39	0.1	0.042	0.205	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/15/93-04/19/94	2	136000.	136000.	155000.	117000.	722000000.	26870.058	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/15/93-04/19/94	2	133500.	133500.	150000.	117000.	544500000.	23334.524	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	07/15/93-04/19/94	2	130000.	130000.	152000.	108000.	968000000.	31112.698	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/15/93-04/19/94	2	3810.	3810.	4180.	3440.	273800.	523.259	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/15/93-04/19/94	2	26900.	26900.	30300.	23500.	23120000.	4808.326	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/15/93-04/19/94	2	26450.	26450.	29400.	23500.	17405000.	4171.93	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/15/93-04/19/94	2	544.	544.	640.	448.	18432.	135.765	**	**	**	**

** - 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: ALPO0311

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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

EPA Water Quality Criteria Analysis for Station: ALPO0311

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: ALPO0312

NPS Station ID: ALPO0312
LAT/LON: 40.245004/ -78.859726
Agency: 112WRD
Date Created: 05/28/94
Location: SITE 185 WINDBER QUAD
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 401442078513501
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0312

Parameter		Period of Record	Obs		Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/93-07/15/93	1		18.	18.	18.	18.	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	07/15/93-07/15/93	1		1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/15/93-07/15/93	1	##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/15/93-07/15/93	1		3420.	3420.	3420.	3420.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/15/93-07/15/93	1		2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/15/93-07/15/93	1		2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/93-07/15/93	1		1995.262	1995.262	1995.262	1995.262	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/15/93-07/15/93	1		2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/15/93-07/15/93	1		2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/93-07/15/93	1		3162.278	3162.278	3162.278	3162.278	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/15/93-07/15/93	1		0.	0.	0.	0.	0.	0.	**	**	**	**
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	07/15/93-07/15/93	1		386.	386.	386.	386.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/15/93-07/15/93	1		3050.	3050.	3050.	3050.	0.	0.	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/15/93-07/15/93	1	##	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/15/93-07/15/93	1		2430.	2430.	2430.	2430.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	07/15/93-07/15/93	1		0.26	0.26	0.26	0.26	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/15/93-07/15/93	1		60900.	60900.	60900.	60900.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/15/93-07/15/93	1		54300.	54300.	54300.	54300.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	07/15/93-07/15/93	1		2400.	2400.	2400.	2400.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/15/93-07/15/93	1		3960.	3960.	3960.	3960.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/15/93-07/15/93	1		28300.	28300.	28300.	28300.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/15/93-07/15/93	1		27400.	27400.	27400.	27400.	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/15/93-07/15/93	1		580.	580.	580.	580.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0312

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00							1	1	1.00			

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

EPA Water Quality Criteria Analysis for Station: ALPO0312

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0313

NPS Station ID: ALPO0313
LAT/LON: 40.346559/ -78.862726
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CLAPBOARD RUN CL-39
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_CL-39
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE CLAPBOARD RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0313

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/92-08/03/92	1	11.1	11.1	11.1	11.1	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/03/92-08/03/92	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/92-08/03/92	1	609.	609.	609.	609.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/03/92-10/16/93	2	968.	968.	1037.	899.	9522.	97.581	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/03/92-08/03/92	1	15.5	15.5	15.5	15.5	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/03/92-10/16/93	2	4.5	4.5	4.6	4.4	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/03/92-10/16/93	2	4.489	4.489	4.6	4.4	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/92-10/16/93	2	32.465	32.465	39.811	25.119	107.925	10.389	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/03/92-08/03/92	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/03/92-08/03/92	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/92-08/03/92	1	15.849	15.849	15.849	15.849	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/92-10/16/93	2	2.	2.	4.	0.	8.	2.828	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/03/92-10/16/93	2	95.	95.	110.	80.	450.	21.213	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/03/92-10/16/93	2	679.	679.	735.	623.	6272.	79.196	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/03/92-10/16/93	2	0.25	0.25	0.3	0.2	0.005	0.071	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/03/92-10/16/93	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/03/92-10/16/93	2	1.	1.	1.1	0.9	0.02	0.141	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/03/92-10/16/93	2	1.	1.	1.1	0.9	0.02	0.141	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/03/92-10/16/93	2	15.	15.	17.	13.	8.	2.828	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/03/92-10/16/93	2	909.	909.	988.	830.	12482.	111.723	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/03/92-08/03/92	1	408.	408.	408.	408.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0313

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	2	1.00	2	2	1.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0314

NPS Station ID: ALPO0314
LAT/LON: 40.345476/ -78.863559
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CLAPBOARD RUN CL-38
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_CL-38
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT CLAPBOARD RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0314

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/92-07/06/93	3	17.1	15.	20.5	7.4	46.21	6.798	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/29/92-07/06/93	3	32.	31.333	37.	25.	36.333	6.028	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/29/92-07/06/93	3	500.	473.333	570.	350.	12633.333	112.398	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/29/92-10/16/93	4	652.	663.	845.	503.	21672.	147.214	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/29/92-10/16/93	4	4.65	4.625	4.7	4.5	0.009	0.096	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/29/92-10/16/93	4	4.647	4.617	4.7	4.5	0.009	0.096	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/92-10/16/93	4	22.536	24.162	31.623	19.953	30.672	5.538	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/29/92-07/06/93	3	4.5	4.8	5.6	4.3	0.49	0.7	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/29/92-07/06/93	3	4.5	4.552	5.6	4.3	0.583	0.763	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/92-07/06/93	3	31.623	28.084	50.119	2.512	575.992	24.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/92-10/16/93	4	2.5	2.5	5.	0.	4.333	2.082	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/29/92-10/16/93	4	56.	56.	78.	34.	346.667	18.619	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/29/92-10/16/93	4	418.5	417.5	575.	258.	22331.	149.436	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/29/92-10/16/93	4	0.4	0.525	1.	0.3	0.103	0.32	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/29/92-10/16/93	4	0.15	0.15	0.2	0.1	0.003	0.058	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/29/92-10/16/93	4	0.7	0.7	0.9	0.5	0.033	0.183	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/29/92-10/16/93	4	0.7	0.7	0.9	0.5	0.033	0.183	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/29/92-10/16/93	4	10.	9.75	12.	7.	6.917	2.63	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/29/92-10/16/93	4	629.	621.	756.	470.	15590.667	124.863	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/29/92-07/06/93	3	320.	312.333	382.	235.	5446.333	73.799	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0314

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00	1	1	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				1	1	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00	1	1	1.00	1	1	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: ALPO0315

NPS Station ID: ALPO0315
LAT/LON: 40.344753/ -78.864477
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CLAPBOARD RUN CL-33
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_CL-33
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT CLAPBOARD RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0315

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/23/92-11/23/92	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	11/23/92-11/23/92	1	1436.	1436.	1436.	1436.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/23/92-11/23/92	1	420.	420.	420.	420.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/23/92-11/23/92	1	567.	567.	567.	567.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/23/92-11/23/92	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/23/92-11/23/92	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/23/92-11/23/92	1	79.433	79.433	79.433	79.433	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/23/92-11/23/92	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/23/92-11/23/92	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/23/92-11/23/92	1	25.119	25.119	25.119	25.119	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/23/92-11/23/92	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/23/92-11/23/92	1	64.	64.	64.	64.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/23/92-11/23/92	1	285.	285.	285.	285.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/23/92-11/23/92	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	11/23/92-11/23/92	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/23/92-11/23/92	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/23/92-11/23/92	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/23/92-11/23/92	1	8.	8.	8.	8.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/23/92-11/23/92	1	562.	562.	562.	562.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	11/23/92-11/23/92	1	281.	281.	281.	281.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0315

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0316

NPS Station ID: ALPO0316
LAT/LON: 40.352142/ -78.864477
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-107
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-107
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0316

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/94-07/20/94	1	15.6	15.6	15.6	15.6	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/20/94-07/20/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/20/94-07/20/94	1	2900.	2900.	2900.	2900.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/94-07/20/94	1	3619.	3619.	3619.	3619.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/20/94-07/20/94	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/20/94-07/20/94	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/94-07/20/94	1	3162.278	3162.278	3162.278	3162.278	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/20/94-07/20/94	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/20/94-07/20/94	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/94-07/20/94	1	25118.864	25118.864	25118.864	25118.864	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/94-07/20/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/20/94-07/20/94	1	1566.	1566.	1566.	1566.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/94-07/20/94	1	3288.	3288.	3288.	3288.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/20/94-07/20/94	1	111.	111.	111.	111.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/20/94-07/20/94	1	108.	108.	108.	108.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/94-07/20/94	1	46.3	46.3	46.3	46.3	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/94-07/20/94	1	46.	46.	46.	46.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/20/94-07/20/94	1	189.	189.	189.	189.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/20/94-07/20/94	1	4510.	4510.	4510.	4510.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/20/94-07/20/94	1	1943.	1943.	1943.	1943.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0316

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0317

NPS Station ID: ALPO0317
LAT/LON: 40.250837/ -78.865004
Agency: 112WRD
Date Created: 05/28/94
Location: SITE 80 WINDBER QUAD
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 401503078515401
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0317

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/93-07/13/93	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	07/13/93-07/13/93	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/13/93-07/13/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/13/93-07/13/93	1	2520.	2520.	2520.	2520.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/13/93-07/13/93	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/13/93-07/13/93	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/93-07/13/93	1	1995.262	1995.262	1995.262	1995.262	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/13/93-07/13/93	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/13/93-07/13/93	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/93-07/13/93	1	3981.072	3981.072	3981.072	3981.072	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/13/93-07/13/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	07/13/93-07/13/93	1	440.	440.	440.	440.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/13/93-07/13/93	1	1860.	1860.	1860.	1860.	0.	0.	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/13/93-07/13/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/13/93-07/13/93	1	1298.	1298.	1298.	1298.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	07/13/93-07/13/93	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/13/93-07/13/93	1	131000.	131000.	131000.	131000.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/13/93-07/13/93	1	129000.	129000.	129000.	129000.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	07/13/93-07/13/93	1	46000.	46000.	46000.	46000.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/13/93-07/13/93	1	6130.	6130.	6130.	6130.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/13/93-07/13/93	1	26400.	26400.	26400.	26400.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/13/93-07/13/93	1	26200.	26200.	26200.	26200.	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/13/93-07/13/93	1	700.	700.	700.	700.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0317

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00							1	1	1.00			

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

EPA Water Quality Criteria Analysis for Station: ALPO0317

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0318

NPS Station ID: ALPO0318
LAT/LON: 40.245892/ -78.865393
Agency: 11NPSWRD
Date Created: 10/25/97
Location: PASO673R
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): ALPO_NURE_3 /4073344
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE SITE IS LOCATED ON THE WINDBER PENNSYLVANIA-CAMBRIA CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A SPRING AND IS OUTSIDE THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE PARK BOUNDARIES. THE SAMPLES WERE FILTERED THROUGH A 0.8 UM FILTER PRIOR TO ANALYSIS. DATA ARE FROM THE "U.S. GEOLOGIC SURVEY NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "SRLID" FIELD ENTRY (SAVANNAH RIVER LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY THE SAVANNAH RIVER LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0318

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/77-07/15/77	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/15/77-07/15/77	1	390.	390.	390.	390.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/15/77-07/15/77	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/15/77-07/15/77	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/77-07/15/77	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/15/77-07/15/77	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/15/77-07/15/77	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	07/15/77-07/15/77	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/15/77-07/15/77	1	49.	49.	49.	49.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	07/15/77-07/15/77	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
50700	FLUORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	07/15/77-07/15/77	1	41.	41.	41.	41.	0.	0.	**	**	**	**
50760	CHLORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	07/15/77-07/15/77	1	4600.	4600.	4600.	4600.	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	07/15/77-07/15/77	1	8140.	8140.	8140.	8140.	0.	0.	**	**	**	**
82331	DYSPROSIUM, DISSOLVED AS DY IN WATER UG/L	07/15/77-07/15/77	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0318

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0319

NPS Station ID: ALPO0319
LAT/LON: 40.349810/ -78.869670
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-104
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-104
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GEISTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0319

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/94-12/06/94	2	10.45	10.45	10.8	10.1	0.245	0.495	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/20/94-12/06/94	2	28.	28.	44.	12.	512.	22.627	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/20/94-12/06/94	2	990.	990.	1100.	880.	24200.	155.563	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/94-12/06/94	2	1257.	1257.	1496.	1018.	114242.	337.997	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/20/94-12/06/94	2	9.95	9.95	10.3	9.6	0.245	0.495	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/20/94-12/06/94	2	3.7	3.7	3.8	3.6	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/20/94-12/06/94	2	3.689	3.689	3.8	3.6	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/94-12/06/94	2	204.839	204.839	251.189	158.489	4296.582	65.548	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/20/94-12/06/94	2	3.2	3.2	3.4	3.	0.08	0.283	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/20/94-12/06/94	2	3.155	3.155	3.4	3.	0.084	0.29	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/94-12/06/94	2	699.054	699.054	1000.	398.107	181137.489	425.603	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/94-12/06/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/20/94-12/06/94	2	126.	126.	150.	102.	1152.	33.941	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/94-12/06/94	2	764.5	764.5	998.	531.	109044.5	330.219	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/20/94-12/06/94	2	0.6	0.6	1.	0.2	0.32	0.566	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/20/94-12/06/94	2	0.95	0.95	1.	0.9	0.005	0.071	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/94-12/06/94	2	1.8	1.8	2.4	1.2	0.72	0.849	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/94-12/06/94	2	1.8	1.8	2.4	1.2	0.72	0.849	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/20/94-12/06/94	2	19.	19.	28.	10.	162.	12.728	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/20/94-12/06/94	2	1177.	1177.	1538.	816.	260642.	510.531	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/20/94-12/06/94	2	663.5	663.5	737.	590.	10804.5	103.945	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0319

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00				1	0	0.00	1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00				1	1	1.00	1	1	1.00			

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

Station Inventory for Station: ALPO0320

NPS Station ID: ALPO0320
LAT/LON: 40.313337/ -78.873337
Agency: 112WRD
Date Created: 10/29/94
Location: SITE 110
FIPS State/County: 42111 PENNSYLVANIA/SOMERSET
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 401848078522401
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0320

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-11/21/94	2	12.75	12.75	13.	12.5	0.125	0.354	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/14/94-11/21/94	2	422.5	422.5	449.	396.	1404.5	37.477	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/14/94-11/21/94	2	0.95	0.95	1.	0.9	0.005	0.071	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/94-11/21/94	2	1320.	1320.	1420.	1220.	20000.	141.421	**	**	**	**
00400	PH (STANDARD UNITS)	06/14/94-11/21/94	2	3.75	3.75	4.5	3.	1.125	1.061	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/14/94-11/21/94	2	3.288	3.288	4.5	3.	1.553	1.246	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/94-11/21/94	2	515.811	515.811	1000.	31.623	468877.223	684.746	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/94-11/21/94	2	4.25	4.25	4.5	4.	0.125	0.354	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/94-11/21/94	2	4.182	4.182	4.5	4.	0.134	0.367	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/94-11/21/94	2	65.811	65.811	100.	31.623	2337.722	48.35	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-11/21/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/14/94-11/21/94	2	1287.	1287.	1310.	1264.	1058.	32.527	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	06/14/94-11/21/94	2	7.9	7.9	11.2	4.6	21.78	4.667	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-11/21/94	2	978.	978.	1177.	779.	79202.	281.428	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	06/14/94-11/21/94	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/94-11/21/94	2	37600.	37600.	44900.	30300.	106580000.	10323.759	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/94-11/21/94	2	33600.	33600.	39000.	28200.	58320000.	7636.753	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	11/21/94-11/21/94	1	43000.	43000.	43000.	43000.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-11/21/94	2	2660.	2660.	2990.	2330.	217800.	466.69	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-11/21/94	2	4270.	4270.	4760.	3780.	480200.	692.965	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/14/94-11/21/94	2	3845.	3845.	4180.	3510.	224450.	473.762	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	06/14/94-11/21/94	2	101.	101.	102.	100.	2.	1.414	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0320

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00				1	1	1.00	1	1	1.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00				1	0	0.00	1	0	0.00			

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

Station Inventory for Station: ALPO0321

NPS Station ID: ALPO0321
LAT/LON: 40.259170/ -78.878337
Agency: 112WRD
Date Created: 12/10/94
Location: SITE 131
FIPS State/County: 42111 PENNSYLVANIA/SOMERSET
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 401533078524201
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0321

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/07/94-07/07/94	1	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	07/07/94-07/07/94	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/07/94-07/07/94	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/07/94-07/07/94	1	864.	864.	864.	864.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/07/94-07/07/94	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/07/94-07/07/94	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/07/94-07/07/94	1	501.187	501.187	501.187	501.187	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/07/94-07/07/94	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/07/94-07/07/94	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/07/94-07/07/94	1	199.526	199.526	199.526	199.526	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/07/94-07/07/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/07/94-07/07/94	1	760.	760.	760.	760.	0.	0.	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/07/94-07/07/94	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/07/94-07/07/94	1	422.	422.	422.	422.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	07/07/94-07/07/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/07/94-07/07/94	1	24500.	24500.	24500.	24500.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/07/94-07/07/94	1	14600.	14600.	14600.	14600.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	07/07/94-07/07/94	1	15000.	15000.	15000.	15000.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/07/94-07/07/94	1	4890.	4890.	4890.	4890.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/07/94-07/07/94	1	1520.	1520.	1520.	1520.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/07/94-07/07/94	1	1520.	1520.	1520.	1520.	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/07/94-07/07/94	1	62.	62.	62.	62.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0321

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00							1	1	1.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0322

NPS Station ID: ALPO0322
LAT/LON: 40.250281/ -78.878337
Agency: 21PA
Date Created: 04/07/84
Location: LASKY LANDFILL MONITORING SPRING MP1
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/SPRING/MONITR/BACK/LNDFL
STORET Station ID(s): SW100091MP1LF /321ALGN-1067
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: PAINT CREEK
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 19.00
On/Off RF1:
RF3 Index: 02050201046200.00
RF3 Mile Point: 0.57
Distance from RF3: 0.32
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0322

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: ALPO0323

NPS Station ID: ALPO0323
LAT/LON: 40.244448/ -78.880559
Agency: 1114O100
Date Created: / /
Location: PAINT CREEK AT MOUTH
FIPS State/County: 42111 PENNSYLVANIA/SOMERSET
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 415379
RMI-Indexes: 1021500 007720 21670 0500 1420 0010
Within Park Boundary: No
RMI-Miles: 0953.80 0981.00 030.20 077.40 000.20 000.10
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 15.50
On/Off RF1:
RF3 Index: 05010007049200.00
RF3 Mile Point: 1.80
Distance from RF3: 0.02
On/Off RF3:
Description:
STATION LOCATED ON PAINT CREEK JUST ABOVE ITS MOUTH TO STONY CREEK. 1968 WFO-REGION III AND DER OF PENNSYLVANIA STUDY BY SCOTT MCPHILLIAMY.
WINDBER, PA. 15 MIN QUAD MAP 4014400 07852500 WINDBER,PA 15MIN QUAD MAP 4014400 07852500

Parameter Inventory for Station: ALPO0323

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: ALPO0324

NPS Station ID: ALPO0324
LAT/LON: 40.346281/ -78.880559
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CLAPBOARD RUN CL-37
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_CL-37
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT CLAPBOARD RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0324

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/92-07/06/93	3	21.6	17.233	22.7	7.4	72.823	8.534	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/29/92-07/06/93	3	828.	928.	1373.	583.	163525.	404.382	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/29/92-07/06/93	3	550.	590.	780.	440.	30100.	173.494	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/29/92-10/16/93	4	758.5	756.75	881.	629.	17729.583	133.152	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/29/92-10/16/93	4	4.15	4.225	4.8	3.8	0.176	0.419	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/29/92-10/16/93	4	4.147	4.101	4.8	3.8	0.196	0.443	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/92-10/16/93	4	71.264	79.217	158.489	15.849	3519.851	59.328	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/29/92-07/06/93	3	4.5	4.7	5.8	3.8	1.03	1.015	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/29/92-07/06/93	3	4.5	4.195	5.8	3.8	1.413	1.189	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/92-07/06/93	3	31.623	63.899	158.489	1.585	6936.065	83.283	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/92-10/16/93	4	0.	0.75	3.	0.	2.25	1.5	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/29/92-10/16/93	4	60.	63.5	84.	50.	233.	15.264	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/29/92-10/16/93	4	458.	465.75	637.	310.	29517.583	171.807	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/29/92-10/16/93	4	6.	6.25	9.	4.	6.917	2.63	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/29/92-10/16/93	4	4.	4.25	6.	3.	2.25	1.5	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	07/06/93-07/06/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/29/92-10/16/93	4	1.	1.075	1.5	0.8	0.116	0.34	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/29/92-10/16/93	4	1.	1.05	1.4	0.8	0.09	0.3	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/29/92-10/16/93	4	7.	7.75	11.	6.	5.583	2.363	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/29/92-10/16/93	4	667.5	677.25	802.	572.	9563.583	97.794	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/29/92-07/06/93	3	369.	395.667	523.	295.	13529.333	116.316	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0324

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00	1	1	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00				1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00				1	1	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00	1	1	1.00	1	1	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: ALPO0325

NPS Station ID: ALPO0325
LAT/LON: 40.347449/ -78.881810
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LITTLE CONEMAUGH RIVER LCR-108
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LCR-108
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LITTLE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0325

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/94-12/01/94	2	13.7	13.7	22.	5.4	137.78	11.738	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/20/94-12/01/94	2	7.	7.	10.	4.	18.	4.243	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/20/94-12/01/94	2	1421.	1421.	1742.	1100.	206082.	453.963	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/94-12/01/94	2	1968.	1968.	1992.	1944.	1152.	33.941	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/01/94-12/01/94	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/20/94-12/01/94	2	3.7	3.7	3.9	3.5	0.08	0.283	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/20/94-12/01/94	2	3.655	3.655	3.9	3.5	0.084	0.29	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/94-12/01/94	2	221.06	221.06	316.228	125.893	18113.749	134.587	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/20/94-12/01/94	2	3.35	3.35	3.9	2.8	0.605	0.778	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/20/94-12/01/94	2	3.068	3.068	3.9	2.8	0.764	0.874	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/94-12/01/94	2	855.393	855.393	1584.893	125.893	1064341.45	1031.669	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/94-12/01/94	2	1.5	1.5	3.	0.	4.5	2.121	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/20/94-12/01/94	2	571.	571.	600.	542.	1682.	41.012	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/94-12/01/94	2	1544.	1544.	1567.	1521.	1058.	32.527	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/20/94-12/01/94	2	208.5	208.5	225.	192.	544.5	23.335	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/20/94-12/01/94	2	186.5	186.5	204.	169.	612.5	24.749	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/94-12/01/94	2	10.85	10.85	11.3	10.4	0.405	0.636	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/94-12/01/94	2	10.8	10.8	11.2	10.4	0.32	0.566	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/20/94-12/01/94	2	29.	29.	32.	26.	18.	4.243	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/20/94-12/01/94	2	2181.	2181.	2306.	2056.	31250.	176.777	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/20/94-12/01/94	2	952.	952.	1167.	737.	92450.	304.056	**	**	**	**

** - 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: ALPO0325

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00				1	1	1.00						
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00				1	1	1.00	1	1	1.00			

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

Station Inventory for Station: ALPO0326

NPS Station ID: ALPO0326
LAT/LON: 40.366670/ -78.882226
Agency: 21PA
Date Created: / /
Location: SPRING-EMRGNCY 601
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/MUN/INTAKE/AMBNT/SPRING
STORET Station ID(s): ID1193510201301/07083102CZ
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin: DONALD J LECKEY EST DONALD J LECKEY CAS
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 12.60
On/Off RF1:
RF3 Index: 05010007045800.00
RF3 Mile Point: 0.78
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0326

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/15/67-09/15/67	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	09/15/67-09/15/67	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/15/67-09/15/67	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/15/67-09/15/67	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/15/67-09/15/67	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/15/67-09/15/67	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	09/15/67-09/15/67	1	278.	278.	278.	278.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/15/67-09/15/67	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/15/67-09/15/67	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/15/67-09/15/67	1	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**
00639	NITROGEN, ALBUMINOID AS N IN MG/L	09/15/67-09/15/67	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/15/67-09/15/67	1	158.	158.	158.	158.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/15/67-09/15/67	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/15/67-09/15/67	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/15/67-09/15/67	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: ALPO0326

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	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	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0327

NPS Station ID: ALPO0327
Location: SITE 109
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 05010007
Major Basin:
Minor Basin:
RF1 Index: 05010007
RF3 Index: 02050303019600.00
Description:

LAT/LON: 40.312226/ -78.882504
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 1.33

Agency: 112WRD
FIPS State/County: 42111 PENNSYLVANIA/SOMERSET
STORET Station ID(s): 401844078525701
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 18.20
Distance from RF3: 0.38

Date Created: 10/29/94
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: ALPO0327

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-06/14/94	1	15.5	15.5	15.5	15.5	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/14/94-06/14/94	1	180.	180.	180.	180.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/14/94-06/14/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/94-06/14/94	1	1230.	1230.	1230.	1230.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/14/94-06/14/94	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/14/94-06/14/94	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/94-06/14/94	1	1.259	1.259	1.259	1.259	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/94-06/14/94	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/94-06/14/94	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/94-06/14/94	1	1.585	1.585	1.585	1.585	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/14/94-06/14/94	1	1202.	1202.	1202.	1202.	0.	0.	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	06/14/94-06/14/94	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-06/14/94	1	653.	653.	653.	653.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	06/14/94-06/14/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/94-06/14/94	1	39300.	39300.	39300.	39300.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/94-06/14/94	1	38600.	38600.	38600.	38600.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-06/14/94	1	2130.	2130.	2130.	2130.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-06/14/94	1	171.	171.	171.	171.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/14/94-06/14/94	1	171.	171.	171.	171.	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	06/14/94-06/14/94	1	62.	62.	62.	62.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0327

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00							1	1	1.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0328

NPS Station ID: ALPO0328 LAT/LON: 40.243615/ -78.883893 Agency: 112WRD Date Created: 10/30/93
Location: STONYCREEK RIVER NEAR WINDBER, PA SITE 804 FIPS State/County: 42111 PENNSYLVANIA/SOMERSET
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 401437078530201
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 18.20 On/Off RF1:
RF3 Index: 02050303019600.00 RF3 Mile Point: 1.33 Distance from RF3: 0.38 On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0328

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/93-05/24/94	2	22.15	22.15	27.5	16.8	57.245	7.566	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/28/93-05/24/94	2	231.5	231.5	386.	77.	47740.5	218.496	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/93-05/24/94	2	615.	615.	840.	390.	101250.	318.198	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/28/93-07/28/93	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/28/93-05/24/94	2	4.55	4.55	5.2	3.9	0.845	0.919	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/28/93-05/24/94	2	4.18	4.18	5.2	3.9	1.119	1.058	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/93-05/24/94	2	66.101	66.101	125.893	6.31	7150.043	84.558	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/28/93-05/24/94	2	4.45	4.45	5.	3.9	0.605	0.778	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/28/93-05/24/94	2	4.168	4.168	5.	3.9	0.764	0.874	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/93-05/24/94	2	67.946	67.946	125.893	10.	6715.541	81.948	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/93-05/24/94	2	1.	1.	2.	0.	2.	1.414	**	**	**	**
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	07/28/93-07/28/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/28/93-05/24/94	2	494.	494.	654.	334.	51200.	226.274	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/28/93-05/24/94	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/93-05/24/94	2	359.	359.	550.	168.	72962.	270.115	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	07/28/93-05/24/94	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/93-05/24/94	2	830.	830.	1190.	470.	259200.	509.117	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/93-05/24/94	2	393.5	393.5	407.	380.	364.5	19.092	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/93-05/24/94	2	1985.5	1985.5	3000.	971.	2058420.5	1434.72	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/93-07/28/93	1	2900.	2900.	2900.	2900.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/93-05/24/94	2	2810.	2810.	4500.	1120.	5712200.	2390.021	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/28/93-05/24/94	2	2369.5	2369.5	4400.	339.	8245860.5	2871.561	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/28/93-05/24/94	2	23.	23.	40.	6.	578.	24.042	**	**	**	**

** - 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

EPA Water Quality Criteria Analysis for Station: ALPO0328

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	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

EPA Water Quality Criteria Analysis for Station: ALPO0328

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	1	0.50							2	1	0.50			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: ALPO0329

NPS Station ID: ALPO0329
LAT/LON: 40.244727/ -78.883893
Agency: 112WRD
Date Created: 10/30/93
Location: PAINT CREEK NEAR WINDBER, PA SITE 830
FIPS State/County: 42111 PENNSYLVANIA/SOMERSET
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 401441078530201
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0329

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/93-05/24/94	2	20.65	20.65	24.5	16.8	29.645	5.445	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/28/93-05/24/94	2	26.5	26.5	43.	10.	544.5	23.335	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/93-05/24/94	2	1090.	1090.	1380.	800.	168200.	410.122	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/28/93-07/28/93	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/28/93-05/24/94	2	3.5	3.5	3.6	3.4	0.02	0.141	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/28/93-05/24/94	2	3.489	3.489	3.6	3.4	0.02	0.142	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/93-05/24/94	2	324.648	324.648	398.107	251.189	10792.527	103.887	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/28/93-05/24/94	2	3.75	3.75	3.8	3.7	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/28/93-05/24/94	2	3.747	3.747	3.8	3.7	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/93-05/24/94	2	179.008	179.008	199.526	158.489	842.014	29.017	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/93-05/24/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	07/28/93-05/24/94	2	6.	6.	9.	3.	18.	4.243	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/28/93-05/24/94	2	971.	971.	1210.	732.	114242.	337.997	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/28/93-05/24/94	2 ##	1.75	1.75	3.	0.5	3.125	1.768	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/93-05/24/94	2	734.5	734.5	960.	509.	101700.5	318.905	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	07/28/93-05/24/94	2	0.215	0.215	0.23	0.2	0.	0.021	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/93-05/24/94	2	8000.	8000.	8800.	7200.	1280000.	1131.371	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/93-05/24/94	2	4405.	4405.	5200.	3610.	1264050.	1124.3	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/93-05/24/94	2	7655.	7655.	10200.	5110.	12954050.	3599.174	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/93-07/28/93	1	10200.	10200.	10200.	10200.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/93-05/24/94	2	11030.	11030.	13000.	9060.	7761800.	2786.001	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/28/93-05/24/94	2	10610.	10610.	13000.	8220.	11424200.	3379.97	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/28/93-05/24/94	2	87.	87.	104.	70.	578.	24.042	**	**	**	**

** - 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

EPA Water Quality Criteria Analysis for Station: ALPO0329

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	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

EPA Water Quality Criteria Analysis for Station: ALPO0329

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00							2	2	1.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: ALPO0330

NPS Station ID: ALPO0330 LAT/LON: 40.343615/ -78.885281 Agency: 112WRD Date Created: / /
Location: LITTLE CONEMAUGH RIVER AT EAST CONEMAUGH, PA. FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 03041000
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 2.20 On/Off RF1:
RF3 Index: 05010007000302.74 RF3 Mile Point: 7.74 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0330

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/29/65-09/29/65	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	09/29/65-09/29/65	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	09/29/65-09/29/65	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/29/65-09/29/65	1	2370.	2370.	2370.	2370.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/29/65-09/29/65	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/29/65-09/29/65	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/29/65-09/29/65	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/29/65-09/29/65	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/29/65-09/29/65	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/29/65-09/29/65	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/29/65-09/29/65	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/29/65-09/29/65	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/29/65-09/29/65	1	1290.	1290.	1290.	1290.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	09/29/65-09/29/65	1	25000.	25000.	25000.	25000.	0.	0.	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	09/29/65-09/29/65	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/29/65-09/29/65	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0330

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00	1	1	1.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0331

NPS Station ID: ALPO0331
LAT/LON: 40.247504/ -78.891948
Agency: 112WRD
Date Created: 05/28/94
Location: SITE 181 HOOVERSVILLE QUAD
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 401451078533101
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0331

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/93-07/14/93	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	07/14/93-07/14/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/14/93-07/14/93	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/14/93-07/14/93	1	1220.	1220.	1220.	1220.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/14/93-07/14/93	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/14/93-07/14/93	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/93-07/14/93	1	501.187	501.187	501.187	501.187	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/14/93-07/14/93	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/14/93-07/14/93	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/93-07/14/93	1	794.328	794.328	794.328	794.328	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/14/93-07/14/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	07/14/93-07/14/93	1	96.	96.	96.	96.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/14/93-07/14/93	1	1108.	1108.	1108.	1108.	0.	0.	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/14/93-07/14/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/14/93-07/14/93	1	902.	902.	902.	902.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	07/14/93-07/14/93	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/14/93-07/14/93	1	28000.	28000.	28000.	28000.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/14/93-07/14/93	1	26300.	26300.	26300.	26300.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	07/14/93-07/14/93	1	900.	900.	900.	900.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/14/93-07/14/93	1	12600.	12600.	12600.	12600.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/14/93-07/14/93	1	3320.	3320.	3320.	3320.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/14/93-07/14/93	1	3240.	3240.	3240.	3240.	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/14/93-07/14/93	1	146.	146.	146.	146.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0331

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00							1	1	1.00			

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

EPA Water Quality Criteria Analysis for Station: ALPO0331

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0332

NPS Station ID: ALPO0332
LAT/LON: 40.313337/ -78.895559
Agency: 112WRD
Date Created: 10/29/94
Location: SITE 107
FIPS State/County: 42111 PENNSYLVANIA/SOMERSET
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 401848078534401
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0332

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-06/14/94	1	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/14/94-06/14/94	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/14/94-06/14/94	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/94-06/14/94	1	715.	715.	715.	715.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/14/94-06/14/94	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/14/94-06/14/94	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/94-06/14/94	1	6.31	6.31	6.31	6.31	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/94-06/14/94	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/94-06/14/94	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/94-06/14/94	1	6.31	6.31	6.31	6.31	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/14/94-06/14/94	1	528.	528.	528.	528.	0.	0.	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	06/14/94-06/14/94	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-06/14/94	1	333.	333.	333.	333.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	06/14/94-06/14/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/94-06/14/94	1	491.	491.	491.	491.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/94-06/14/94	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-06/14/94	1	278.	278.	278.	278.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-06/14/94	1	670.	670.	670.	670.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/14/94-06/14/94	1	261.	261.	261.	261.	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	06/14/94-06/14/94	1	19.	19.	19.	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: ALPO0332

				Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00							1	1	1.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0333

NPS Station ID: ALPO0333
LAT/LON: 40.312781/ -78.896671
Agency: 112WRD
Date Created: 10/29/94
Location: SITE 108
FIPS State/County: 42111 PENNSYLVANIA/SOMERSET
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 401846078534801
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0333

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/94-06/14/94	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	06/14/94-06/14/94	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/14/94-06/14/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/94-06/14/94	1	810.	810.	810.	810.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/14/94-06/14/94	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/14/94-06/14/94	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/94-06/14/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/14/94-06/14/94	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/14/94-06/14/94	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/94-06/14/94	1	0.398	0.398	0.398	0.398	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/14/94-06/14/94	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/14/94-06/14/94	1	642.	642.	642.	642.	0.	0.	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	06/14/94-06/14/94	1	12.2	12.2	12.2	12.2	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/14/94-06/14/94	1	426.	426.	426.	426.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	06/14/94-06/14/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/14/94-06/14/94	1	85.	85.	85.	85.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/14/94-06/14/94	1	45.	45.	45.	45.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/14/94-06/14/94	1	44.	44.	44.	44.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/94-06/14/94	1	41.	41.	41.	41.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/14/94-06/14/94	1	197.	197.	197.	197.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/14/94-06/14/94	1 ##	67.5	67.5	67.5	67.5	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	06/14/94-06/14/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0333

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00							1	1	1.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0334

NPS Station ID: ALPO0334 LAT/LON: 40.330003/ -78.907226 Agency: 21PA Date Created: 04/19/77
Location: LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/JOHNSTWN FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): WQN0816 /03041025
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: LITTLE CONEMAUGH RIVER ECO Region:
RF1 Index: 05010007010 RF1 Mile Point: 1.340 Distance from RF1: 10.00 On/Off RF1: ON
RF3 Index: 05010007038400.00 RF3 Mile Point: 0.00 Distance from RF3: 0.02 On/Off RF3:
Description:
LITTLE CONEMAUGH RIVER, IN JOHNSTOWN, PA, CAMBRIA CO., (JOHNSTOWN 7.5, 7-8.3), PA 271 BRIDGE JUST UPSTREAM FROM BETHLEHEM STEELS LOWER WORKS AND 1.1 MILES UPSTREAM FROM MOUTH OF LITTLE CONEMAUGH. SAMPLING FREQUENCY: MONTHLY CHEMICAL.

Parameter Inventory for Station: ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	170	12.	12.773	32.	-3.5	66.033	8.126	3.	5.425	19.2	24.
00060p	FLOW, STREAM, MEAN DAILY CFS	03/31/50-09/05/78	133	162.	371.038	4390.	8.	402603.446	634.51	42.8	74.5	433.	843.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-09/24/87	99	170.	316.727	1650.	37.	100634.527	317.229	74.	95.	410.	749.
00065	STAGE, STREAM (FEET)	06/06/74-09/24/87	128	1.25	1.554	8.5	0.5	0.904	0.951	0.8	0.98	1.89	2.806
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/25/62-10/04/77	66	30.	45.288	220.	8.	2375.347	48.738	15.	20.	40.	112.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/16/77-12/08/82	55	25.	37.625	220.	0.	1318.612	36.313	11.48	20.	45.	76.
00080	COLOR (PLATINUM-COBALT UNITS)	09/25/62-05/18/78	39	0.	24.231	800.	0.	16284.59	127.611	0.	0.	5.	15.
00086	ODOR (THRESHOLD NUMBER AT 60 DEG C)	06/01/71-03/01/72	3	23.4	20.167	27.1	10.	80.943	8.997	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/70-12/01/87	148	500.	558.27	1350.	100.	50710.988	225.191	294.5	392.5	700.	891.
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	167	9.2	9.454	15.4	0.	6.915	2.63	6.18	8.	11.2	12.76
00310	BOD, 5 DAY, 20 DEG C MG/L	09/25/62-12/12/77	39	2.5	3.331	12.	0.	7.352	2.711	0.9	1.6	3.6	7.6
00400p	PH (STANDARD UNITS)	06/28/62-12/01/87	148	4.8	4.812	7.1	2.	0.965	0.982	3.507	4.	5.288	6.5
00400p	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	148	4.8	3.79	7.1	2.	2.018	1.42	3.507	4.	5.287	6.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	148	15.849	162.351	10000.	0.079	705433.94	839.901	0.316	5.165	100.	311.24
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	230	4.4	4.403	7.3	2.3	0.96	0.98	3.2	3.6	5.	5.8
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	230	4.4	3.61	7.3	2.3	1.591	1.261	3.2	3.6	5.	5.8
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	230	39.811	245.244	5011.872	0.05	267512.676	517.216	1.585	10.	251.189	630.957
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	164	3.5	5.804	160.	0.	220.046	14.834	0.	1.	6.75	10.
00436p	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	03/31/50-09/23/86	105	13.	23.952	205.	0.	1155.68	33.995	0.	4.	28.	59.4
00437p	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	03/31/50-10/04/77	102	96.	151.412	1520.	0.	38893.274	197.214	28.	56.	176.25	331.
00500	RESIDUE, TOTAL (MG/L)	09/25/62-09/08/80	57	620.	633.789	1680.	226.	75482.705	274.741	316.8	411.5	760.	1024.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/07/73-12/01/87	134	450.	465.485	2044.	141.	54716.447	233.915	223.	297.5	605.5	695.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	106	30.	50.877	456.	2.	3750.851	61.244	13.4	20.	50.5	124.2
00545	RESIDUE, SETTLEABLE (ML/L)	05/18/78-05/18/78	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/72-01/07/88	151	0.49	0.743	4.84	0.1	0.613	0.783	0.19	0.29	0.87	1.628
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	151	0.008	0.014	0.056	0.001	0.	0.012	0.004	0.006	0.02	0.032
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	151	0.95	0.991	4.18	0.056	0.165	0.406	0.58	0.75	1.19	1.396
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	02/15/67-03/12/71	16	0.005	0.131	1.86	0.	0.213	0.462	0.	0.	0.035	0.614
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/72-01/07/88	150	0.07	0.162	5.94	0.005	0.297	0.545	0.04	0.05	0.1	0.179
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/08/75-01/07/88	41	2.	2.902	13.	0.5	7.118	2.668	0.5	1.55	3.5	5.6
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	11/23/82-01/07/88	57 ##	0.5	1.5	14.	0.	6.955	2.637	0.001	0.251	1.	5.4
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/17/66-01/07/88	134	0.009	0.051	0.91	0.	0.011	0.107	0.001	0.001	0.057	0.139
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	190	237.5	260.142	800.	63.	16067.191	126.756	120.	162.75	332.25	420.

** - Less than 9 observations ## - 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: ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/06/72-10/04/77	26	54.	55.158	115.1	9.6	634.426	25.188	26.02	32.6	77.2	85.2
00916	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	123	51.2	53.854	152.	4.7	637.489	25.249	23.	34.8	72.8	85.5
00920	MAGNESIUM (MG/L AS CACO3)	02/09/77-02/09/77	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/06/72-10/04/77	26	20.25	30.631	114.	0.	747.622	27.343	6.95	11.875	40.15	79.2
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	122	19.7	22.191	69.	2.	161.262	12.699	8.92	13.	27.725	36.06
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	188	11.	14.303	230.	0.	295.303	17.184	8.	10.	15.	20.1
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	229	265.	325.646	2400.	42.	69144.773	262.954	125.	185.	396.5	522.
00997	ARSENIC, INORGANIC TOT (UG/L AS AS)	06/06/74-06/06/74	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	12/06/79-09/23/86	7 ##	2.5	3.	5.	2.	1.917	1.384	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/06/74-09/24/87	13 ##	1.	1.308	5.	0.4	1.607	1.268	0.44	0.5	1.5	4.
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/06/74-09/24/87	13	10.	11.154	35.	2.	115.474	10.746	2.	3.	15.	33.
01042	COPPER, TOTAL (UG/L AS CU)	06/06/74-01/07/88	14	25.	28.643	50.	5.	202.709	14.238	8.	20.	42.5	50.
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	230	10450.	18528.143	360000.	1180.	918482943.826	30306.484	4910.	6547.5	17762.5	39000.
01051	LEAD, TOTAL (UG/L AS PB)	06/06/74-01/07/88	14 ##	11.5	15.179	34.	2.5	123.946	11.133	2.5	5.	25.	30.75
01055	MANGANESE, TOTAL (UG/L AS MN)	06/06/74-01/07/88	17	2060.	2054.118	3050.	890.	369225.735	607.639	1018.	1735.	2475.	3010.
01067	NICKEL, TOTAL (UG/L AS NI)	06/06/74-01/07/88	14	150.	162.5	290.	35.	4010.577	63.329	67.5	137.5	215.	265.
01092	ZINC, TOTAL (UG/L AS ZN)	06/06/74-01/07/88	14	255.	508.214	3800.	115.	902406.181	949.951	142.5	225.	310.	2100.
01105p	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	165	4200.	9957.418	256000.	4.	670651409.367	25896.938	2294.	2860.	6095.	16412.
01501	ALPHA, TOTAL	06/17/64-12/03/70	26 ##	1.	1.25	3.	0.5	0.905	0.951	0.5	0.5	1.625	3.
03501	BETA, TOTAL	06/17/64-12/03/70	26	8.5	9.481	21.	1.5	34.01	5.832	3.	5.	14.25	19.3
31507	COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508)	06/28/62-03/12/71	33	130.	1109.485	11000.	0.	7156352.383	2675.136	0.	0.	640.	3060.
31507	LOG COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 3150	06/28/62-03/12/71	33	2.114	1.788	4.041	0.	1.96	1.4	0.	0.	2.794	3.479
31507	GM COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508	GEOMETRIC MEAN =			61.382								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	206 ##	50.	150.976	6000.	0.	251993.195	501.989	10.	12.5	90.	300.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	206 ##	1.699	1.596	3.778	0.	0.395	0.628	1.	1.097	1.954	2.477
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			39.486								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/18/76-01/07/88	125	3.	34.68	1130.	0.	14062.582	118.586	0.	0.	20.	87.6
46002	PHENOLS,DIRECT PHOTOMETRIC,NO DISTILLATION (UG/L)	10/28/76-10/28/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/01/71-03/01/72	3	0.001	0.004	0.01	0.	0.	0.006	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	121	42.	44.752	152.	0.	926.938	30.446	8.4	22.	58.	80.
71900	MERCURY, TOTAL (UG/L AS HG)	06/06/74-09/23/86	8 ##	1.	1.063	2.5	0.5	0.388	0.623	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/04/82-12/01/87	64	22.5	55.263	1330.	2.4	27700.006	166.433	9.	13.775	44.75	76.5

** - 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: ALPO0334

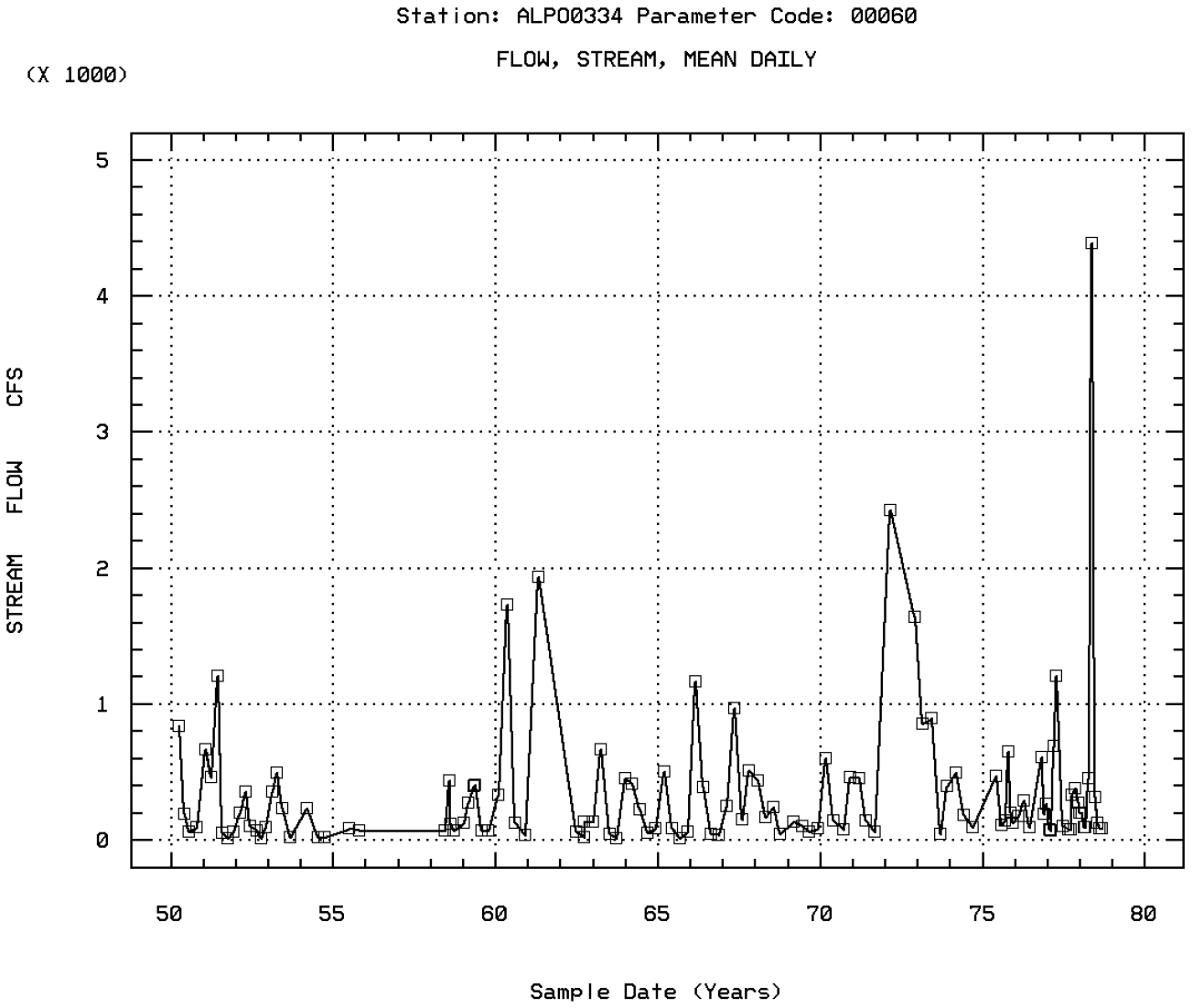
Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	66	14	0.21	20	6	0.30	28	6	0.21	18	2	0.11			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	55	12	0.22	12	0	0.00	27	10	0.37	16	2	0.13			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	167	4	0.02	45	1	0.02	68	2	0.03	54	1	0.02			
00400	PH	Fresh Chronic	9.	148	0	0.00	40	0	0.00	63	0	0.00	45	0	0.00			
		Other-Lo Lim.	6.5	147 &	139	0.95	39	38	0.97	63	60	0.95	45	41	0.91			
00403	PH, LAB	Fresh Chronic	9.	230	0	0.00	64	0	0.00	94	0	0.00	72	0	0.00			
		Other-Lo Lim.	6.5	230	227	0.99	64	64	1.00	94	92	0.98	72	71	0.99			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	151	0	0.00	38	0	0.00	66	0	0.00	47	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	151	0	0.00	38	0	0.00	66	0	0.00	47	0	0.00			
00719	CYANIDE, FREE,IN WATER&WASTEWATERS, HBG	Fresh Acute	22.	57	0	0.00	16	0	0.00	22	0	0.00	19	0	0.00			
		Drinking Water	200.	57	0	0.00	16	0	0.00	22	0	0.00	19	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	134	53	0.40	32	12	0.38	58	24	0.41	44	17	0.39			
		Drinking Water	0.2	134	8	0.06	32	2	0.06	58	4	0.07	44	2	0.05			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	188	0	0.00	50	0	0.00	80	0	0.00	58	0	0.00			
		Drinking Water	250.	188	0	0.00	50	0	0.00	80	0	0.00	58	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	229	126	0.55	63	53	0.84	94	42	0.45	72	31	0.43			
00997	ARSENIC, INORGANIC TOT	Fresh Acute	360.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	7	0	0.00	6	0	0.00	1	0	0.00						
		Drinking Water	50.	7	0	0.00	6	0	0.00	1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	12 &	0	0.00	8	0	0.00	3	0	0.00	1	0	0.00			
		Drinking Water	5.	12 &	0	0.00	8	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

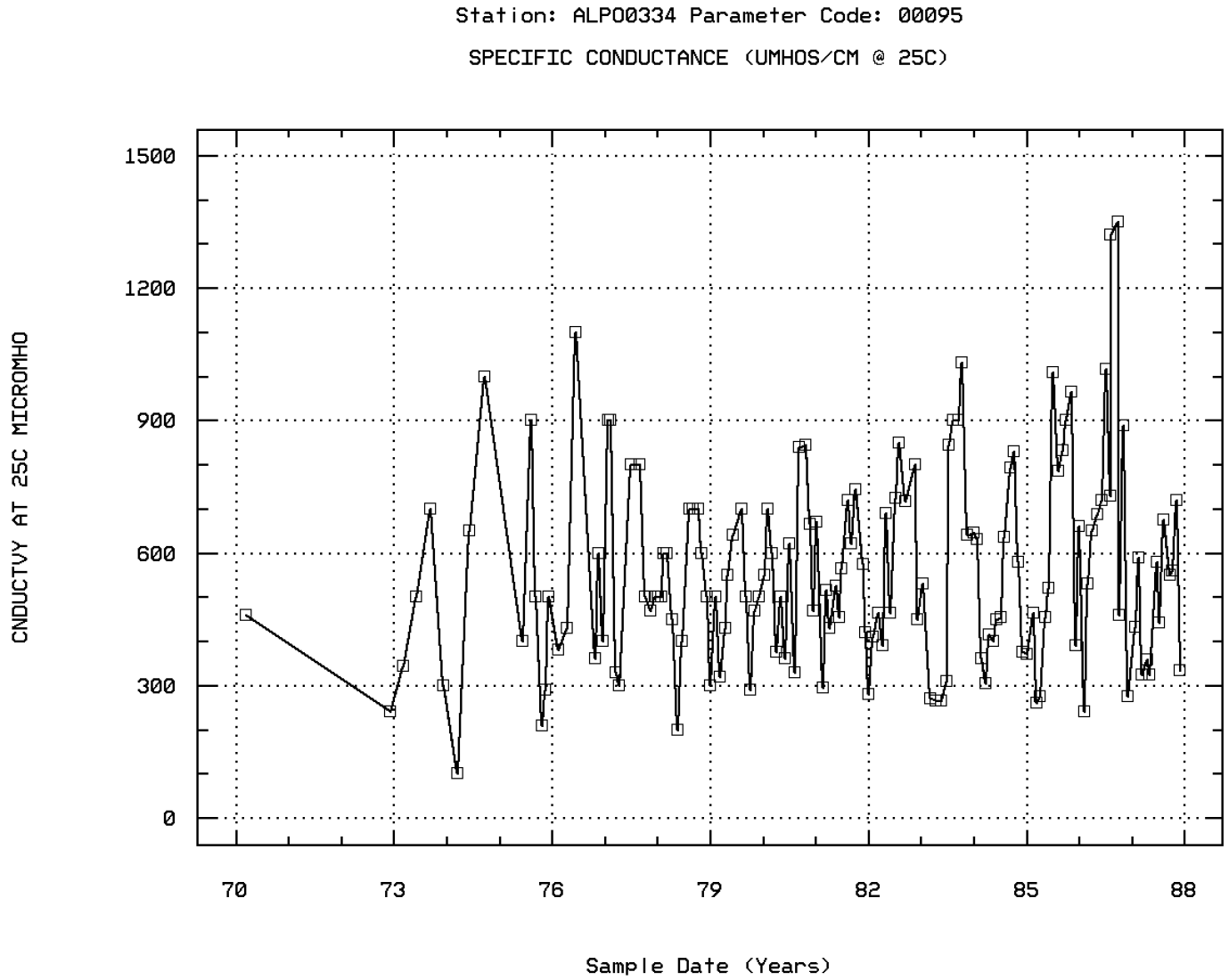
EPA Water Quality Criteria Analysis for Station: ALPO0334

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01034	CHROMIUM, TOTAL	Drinking Water	100.	13	0	0.00	9	0	0.00	3	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	10 &	8	0.80	6	6	1.00	3	1	0.33	1	1	1.00			
		Drinking Water	1300.	14	0	0.00	9	0	0.00	4	0	0.00	1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	14	0	0.00	9	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	15.	9 &	1	0.11	6	1	0.17	3	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	14	0	0.00	9	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	100.	14	13	0.93	9	9	1.00	4	3	0.75	1	1	1.00			
01092	ZINC, TOTAL	Fresh Acute	120.	14	13	0.93	9	9	1.00	4	3	0.75	1	1	1.00			
		Drinking Water	5000.	14	0	0.00	9	0	0.00	4	0	0.00	1	0	0.00			
31507	COLIFORM, TOTAL, MPN	Other-Hi Lim.	1000.	33	6	0.18	9	2	0.22	13	3	0.23	11	1	0.09			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	206	31	0.15	54	4	0.07	90	16	0.18	62	11	0.18			
71900	MERCURY, TOTAL	Fresh Acute	2.4	7 &	0	0.00	6	0	0.00	1	0	0.00						
		Drinking Water	2.	7 &	0	0.00	6	0	0.00	1	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	64	14	0.22	17	1	0.06	24	7	0.29	23	6	0.26			

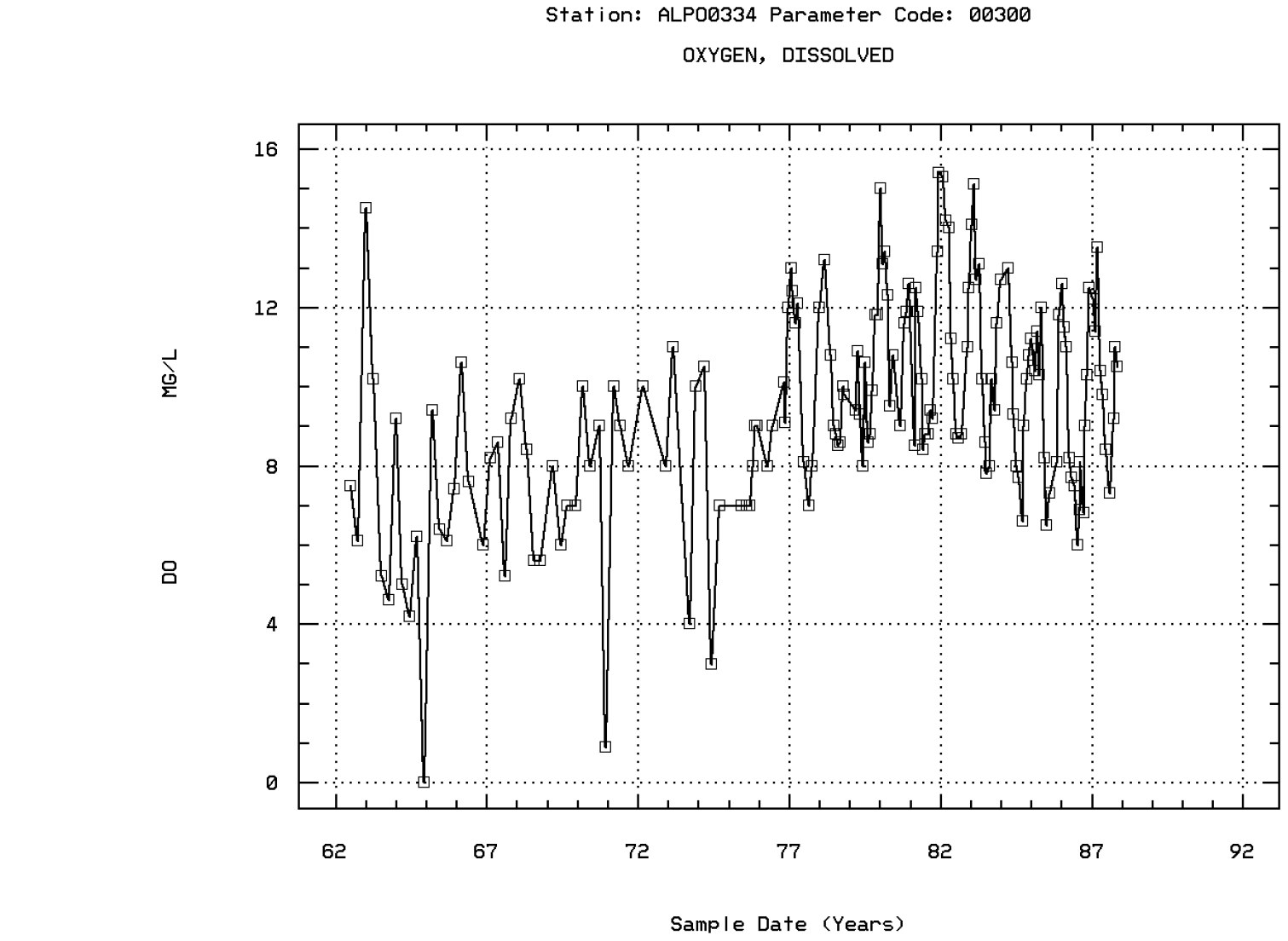
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J



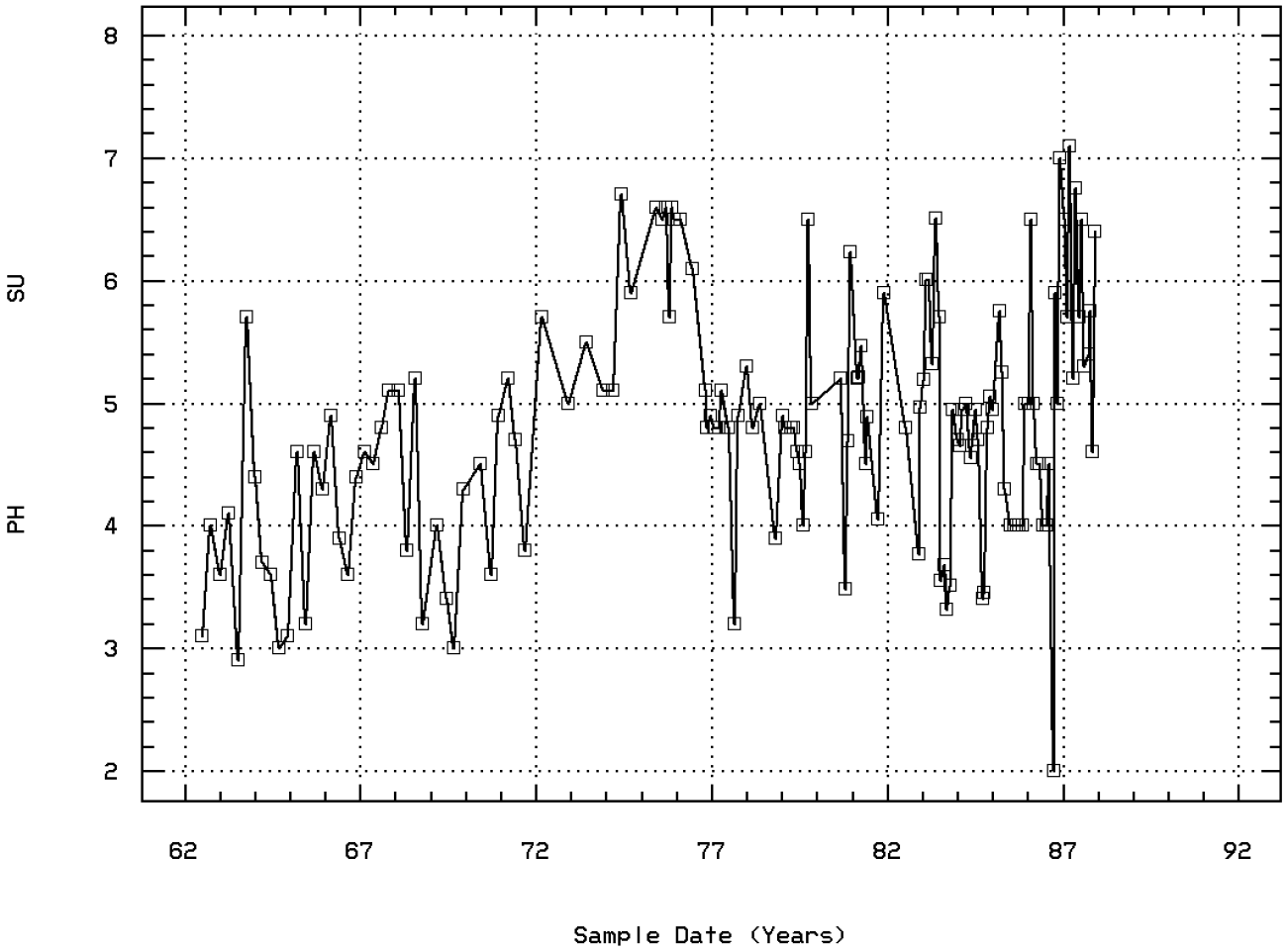
LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J



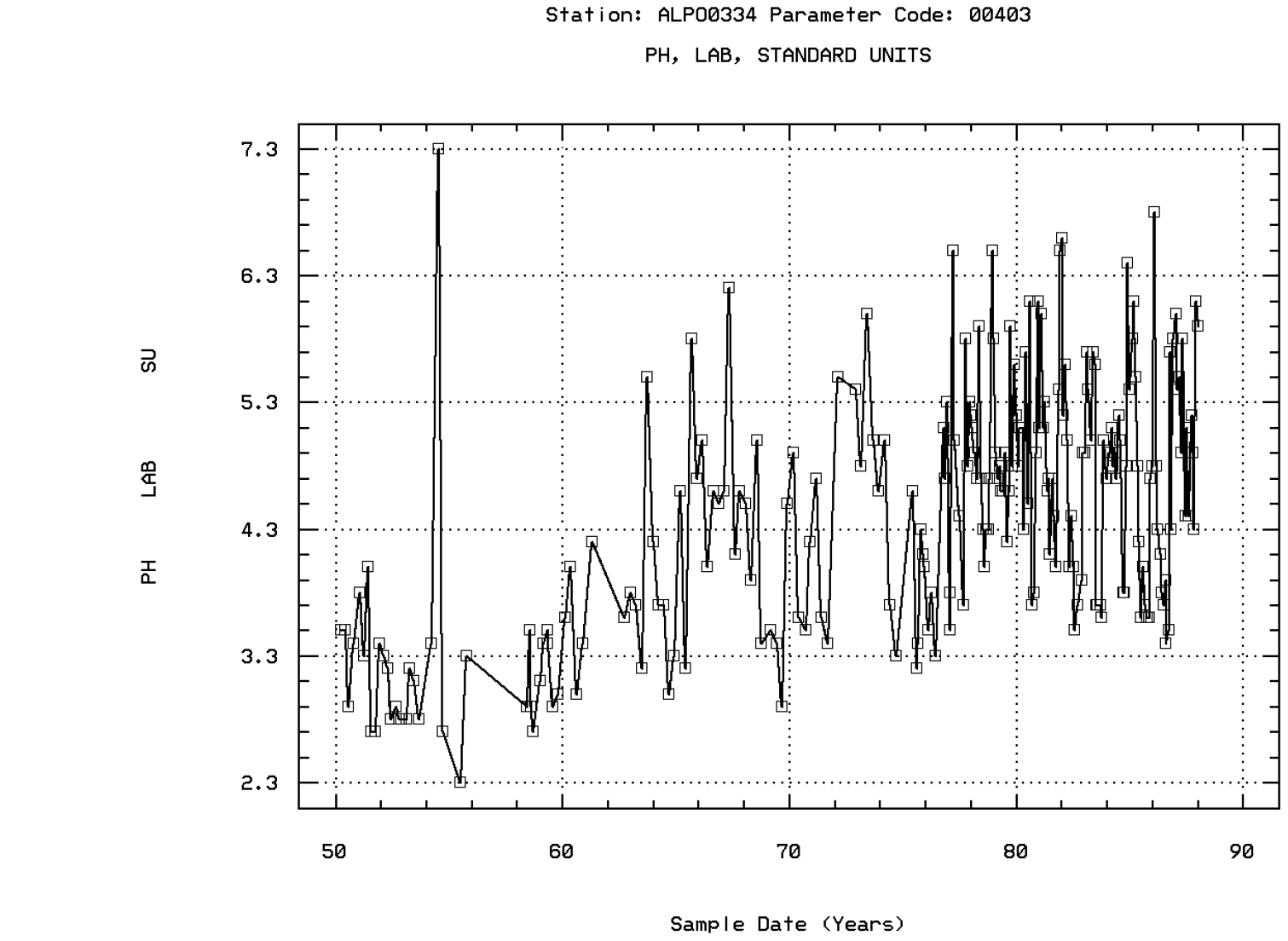
LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00400

PH (STANDARD UNITS)



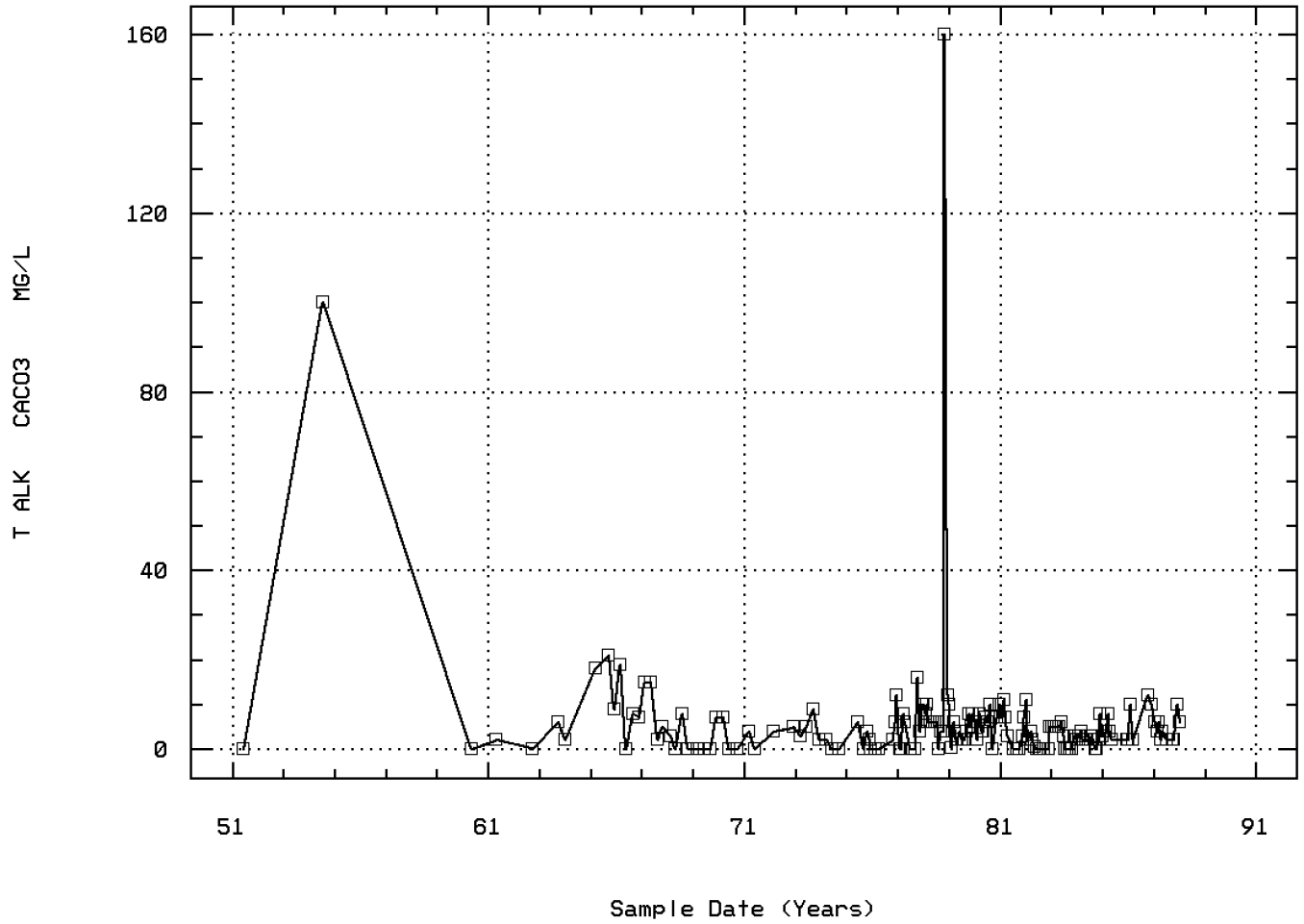
LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J



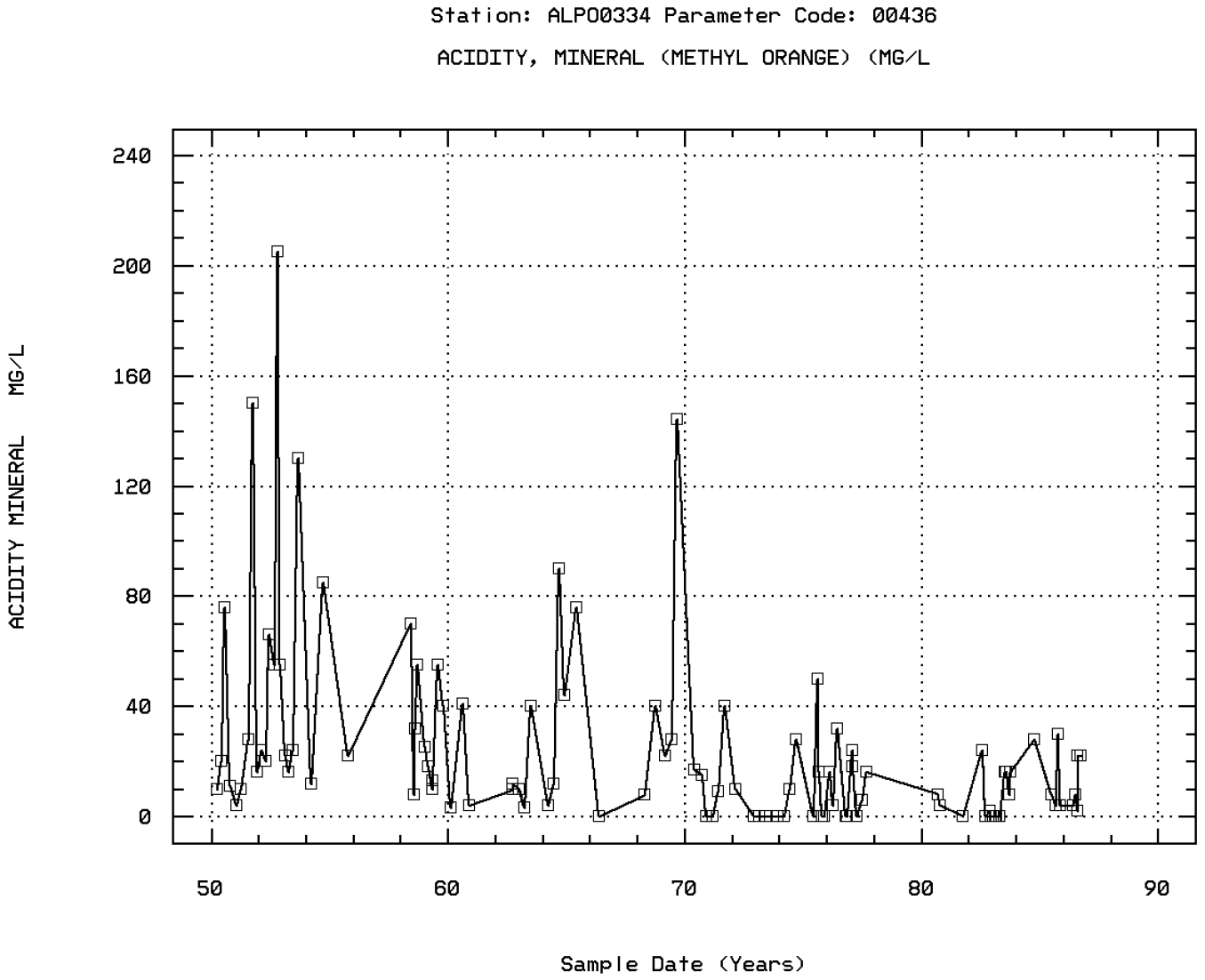
LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALPO0334 Parameter Code: 00410

ALKALINITY, TOTAL (MG/L AS CACO3)



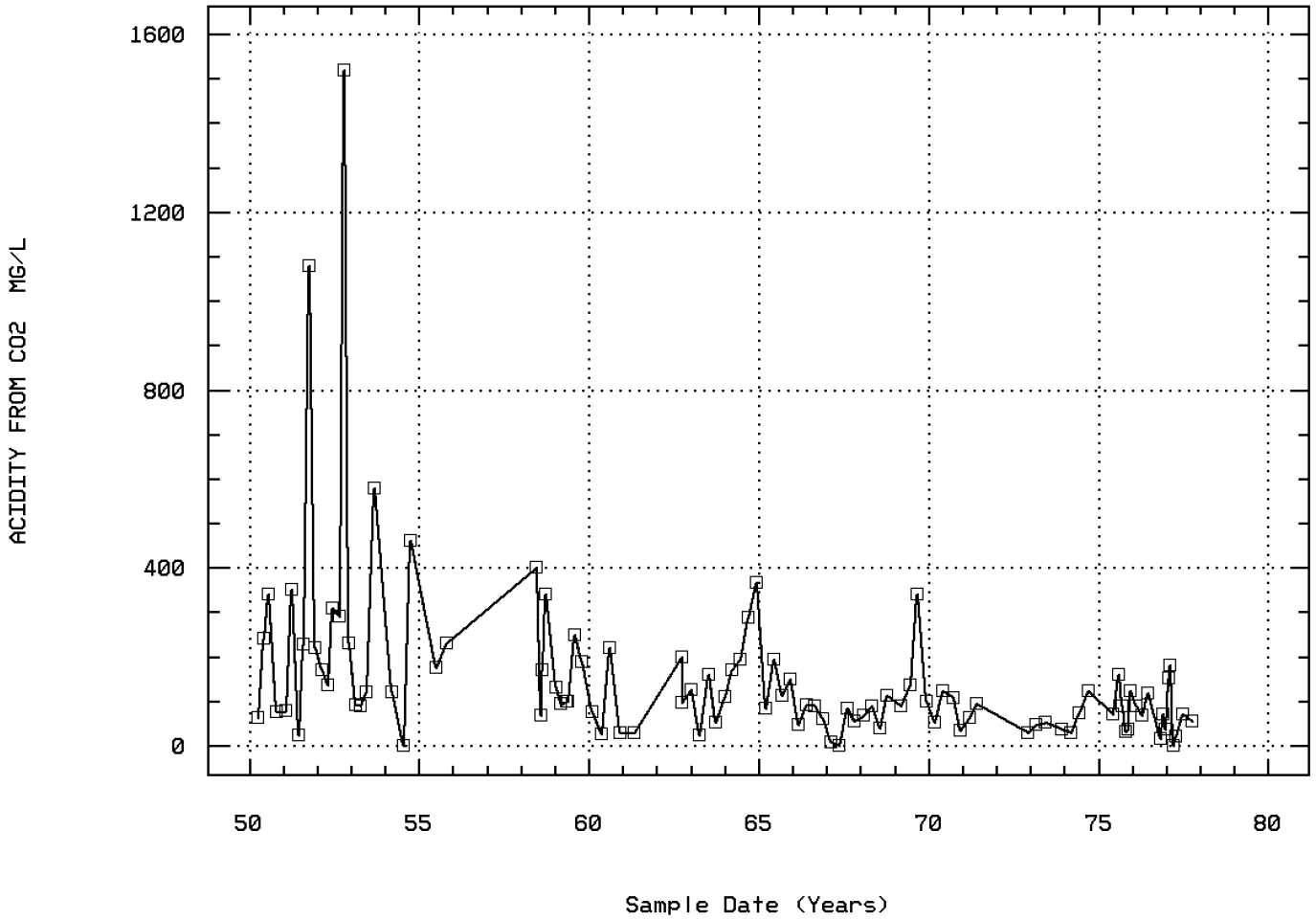
LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00437

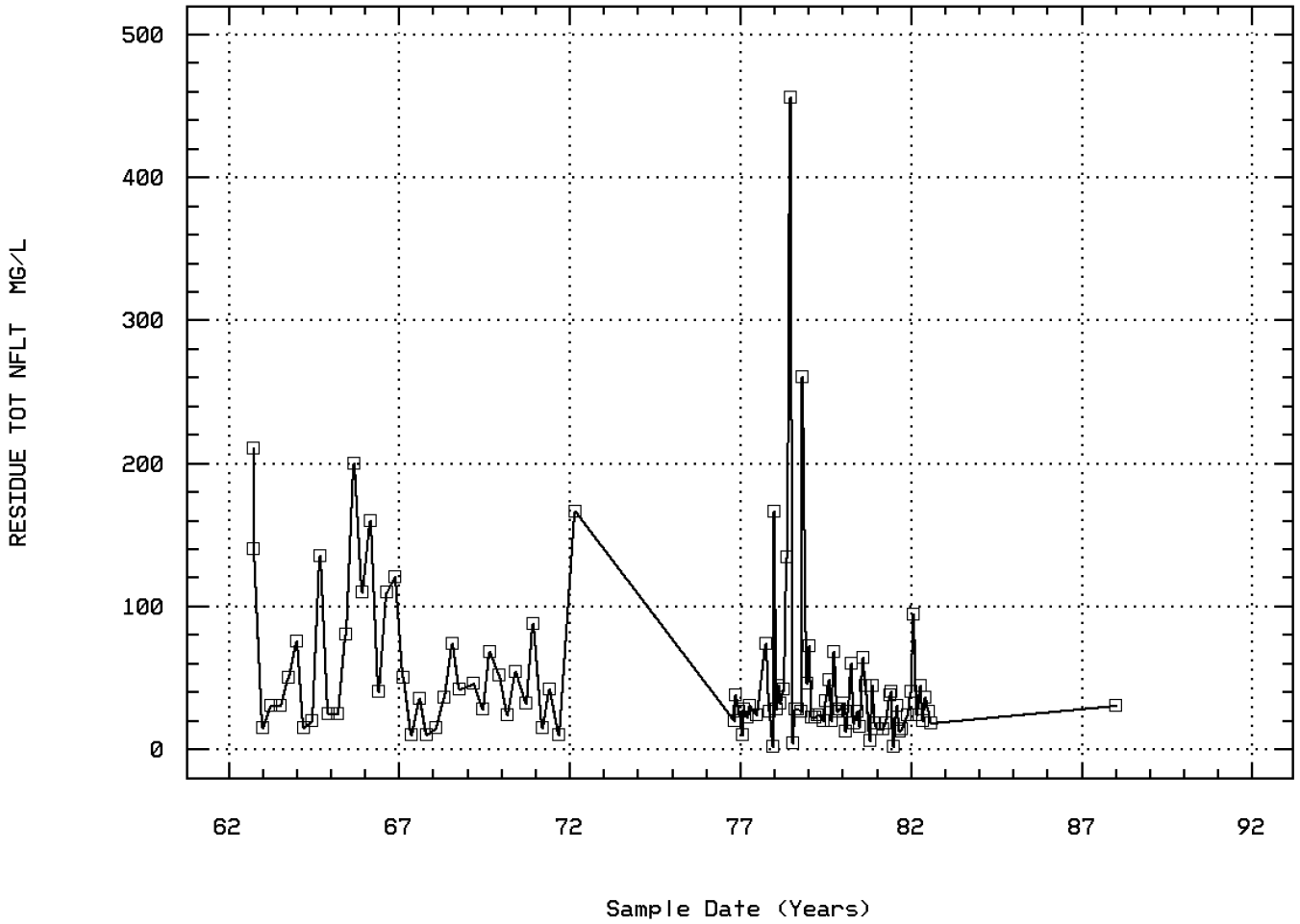
ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00530

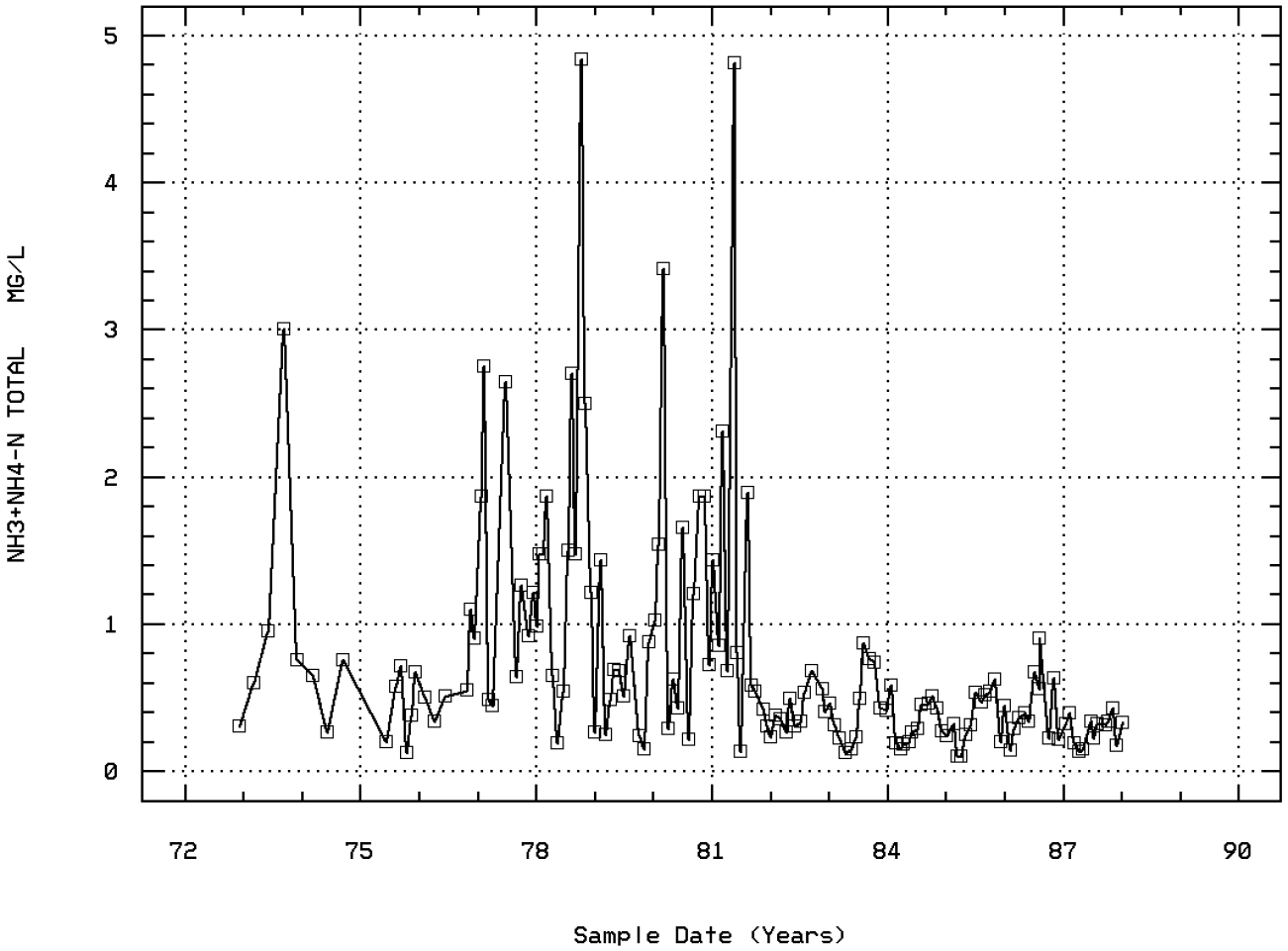
RESIDUE, TOTAL NONFILTRABLE (MG/L)



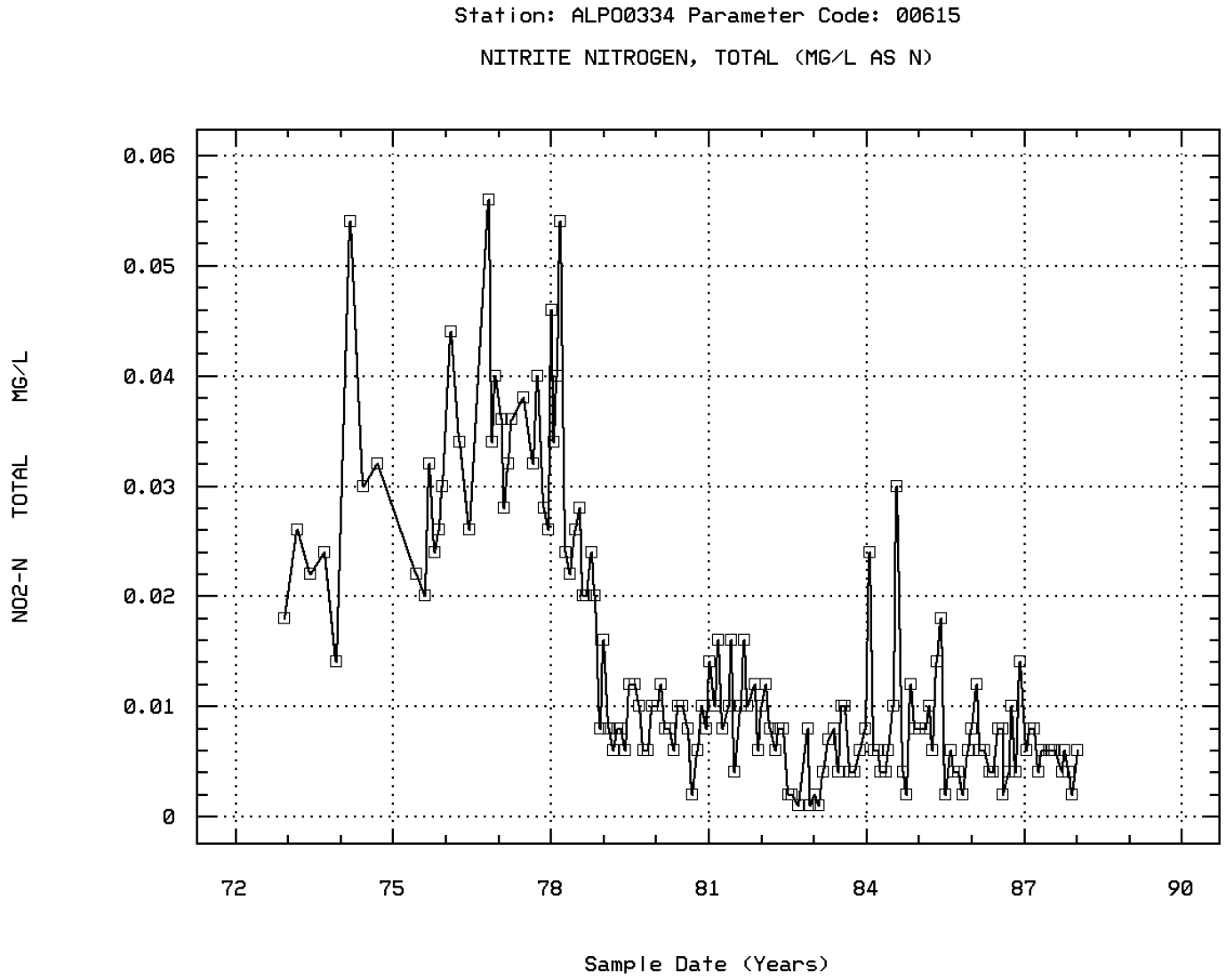
LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00610

NITROGEN, AMMONIA, TOTAL (MG/L AS N)



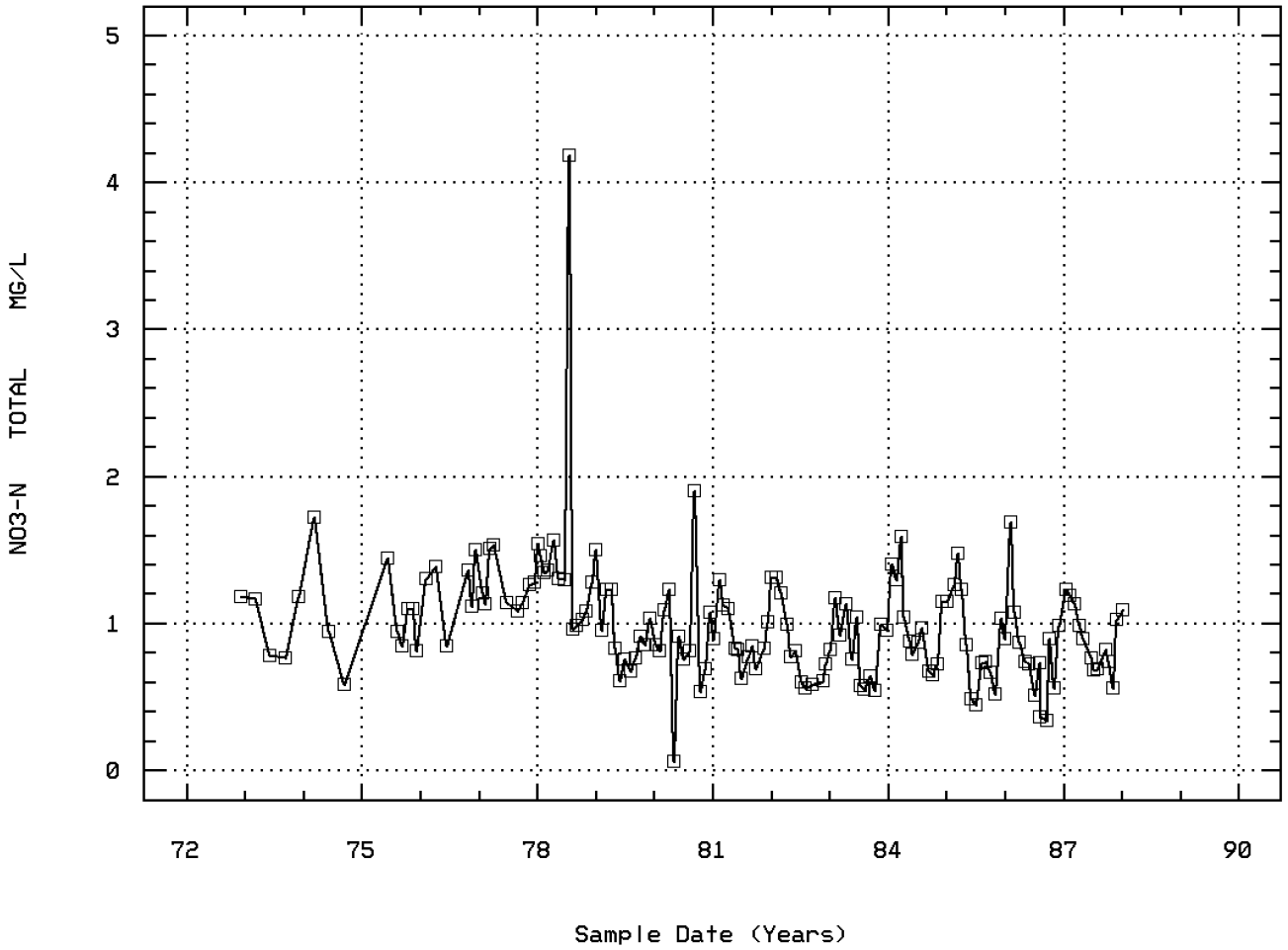
LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00620

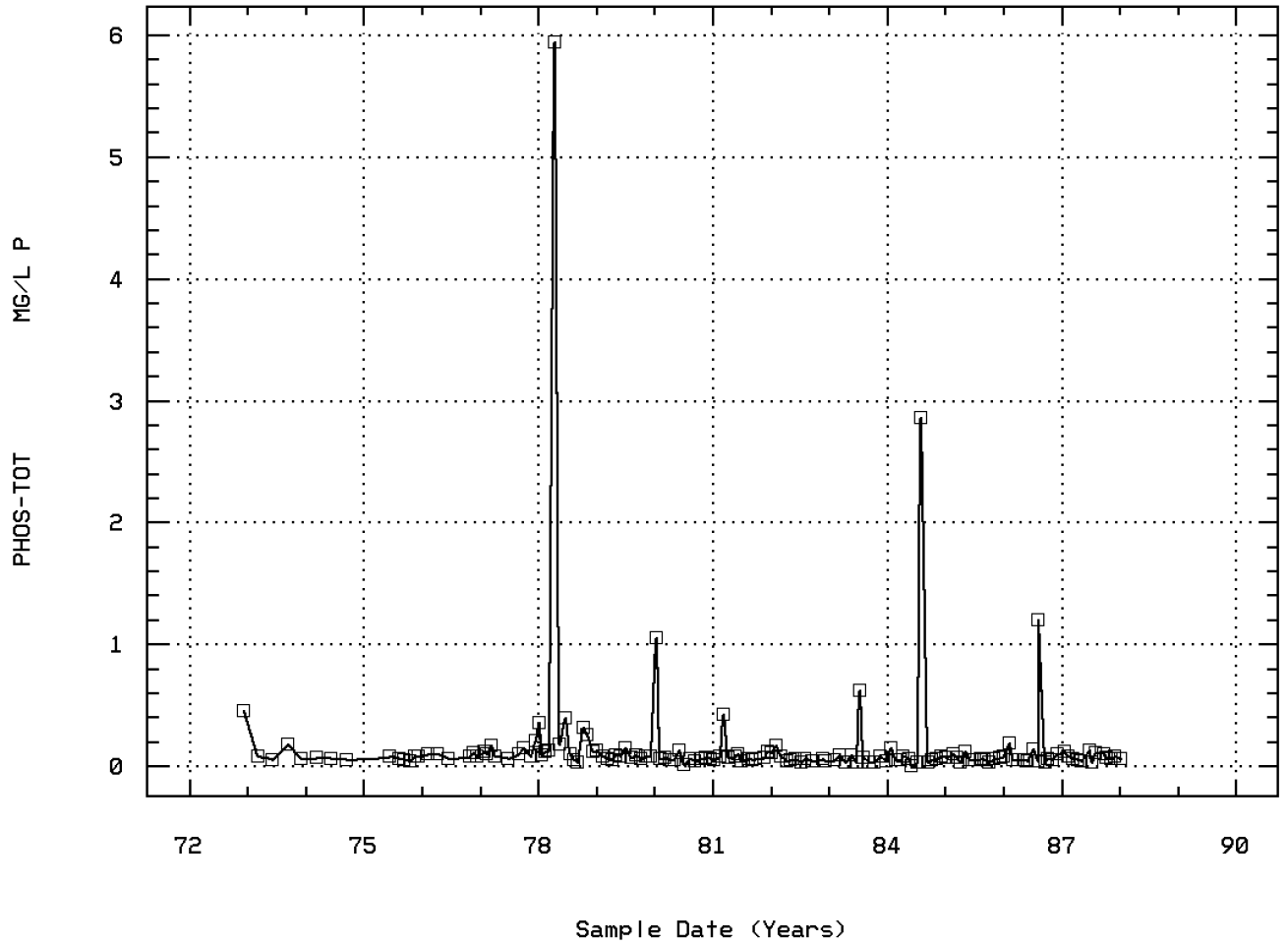
NITRATE NITROGEN, TOTAL (MG/L AS N)



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00665

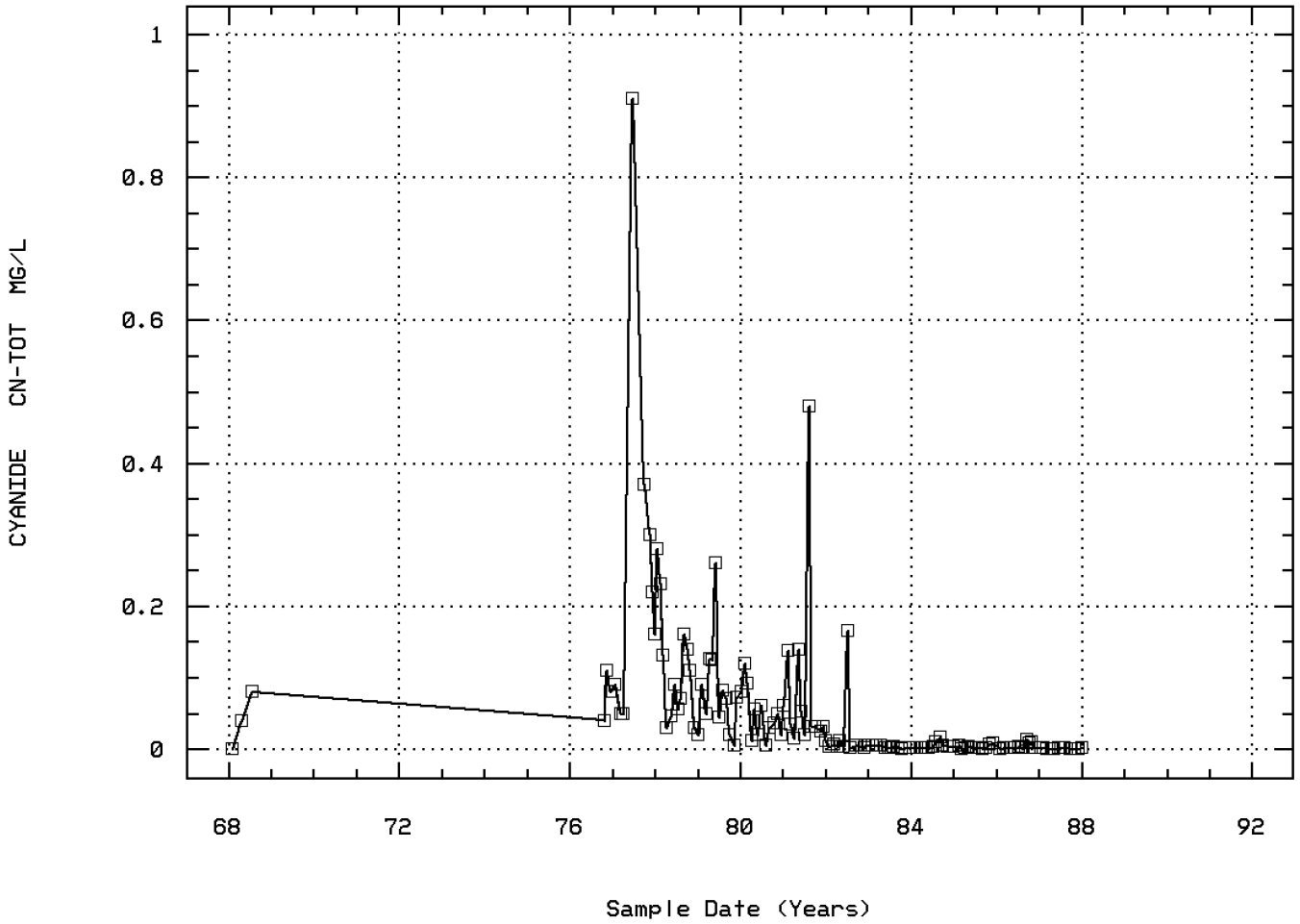
PHOSPHORUS, TOTAL (MG/L AS P)



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00720

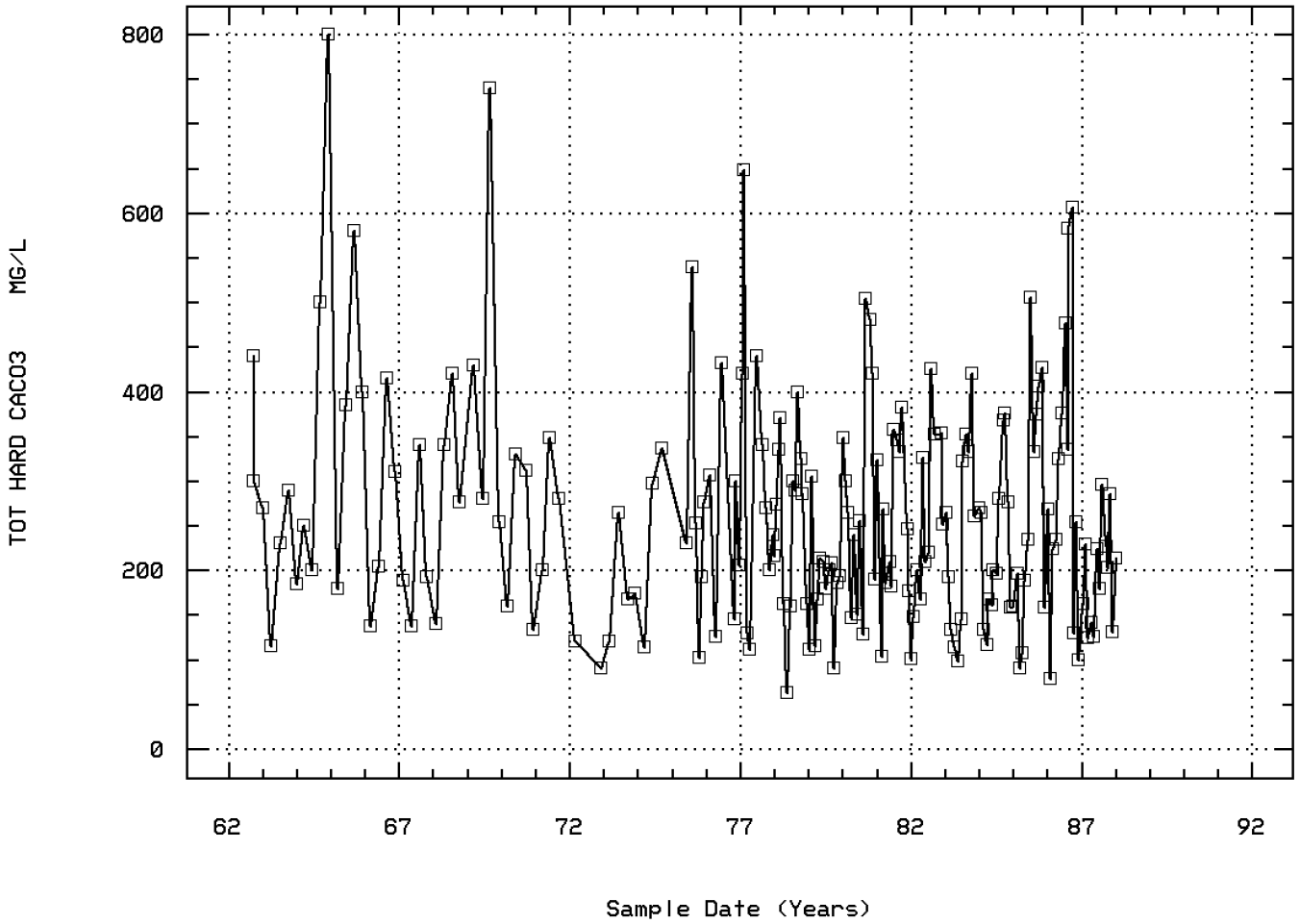
CYANIDE, TOTAL (MG/L AS CN)



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00900

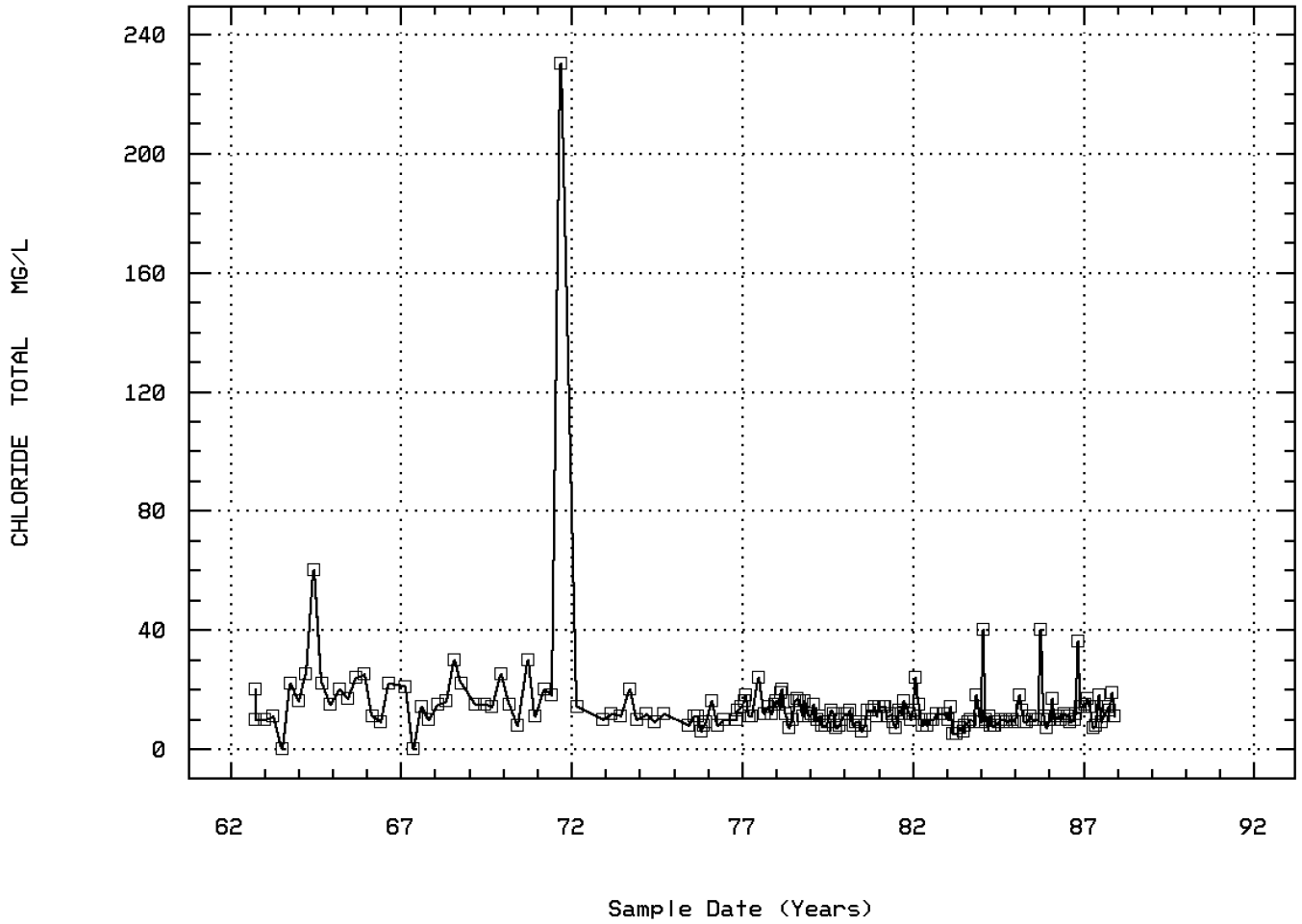
HARDNESS, TOTAL (MG/L AS CACO3)



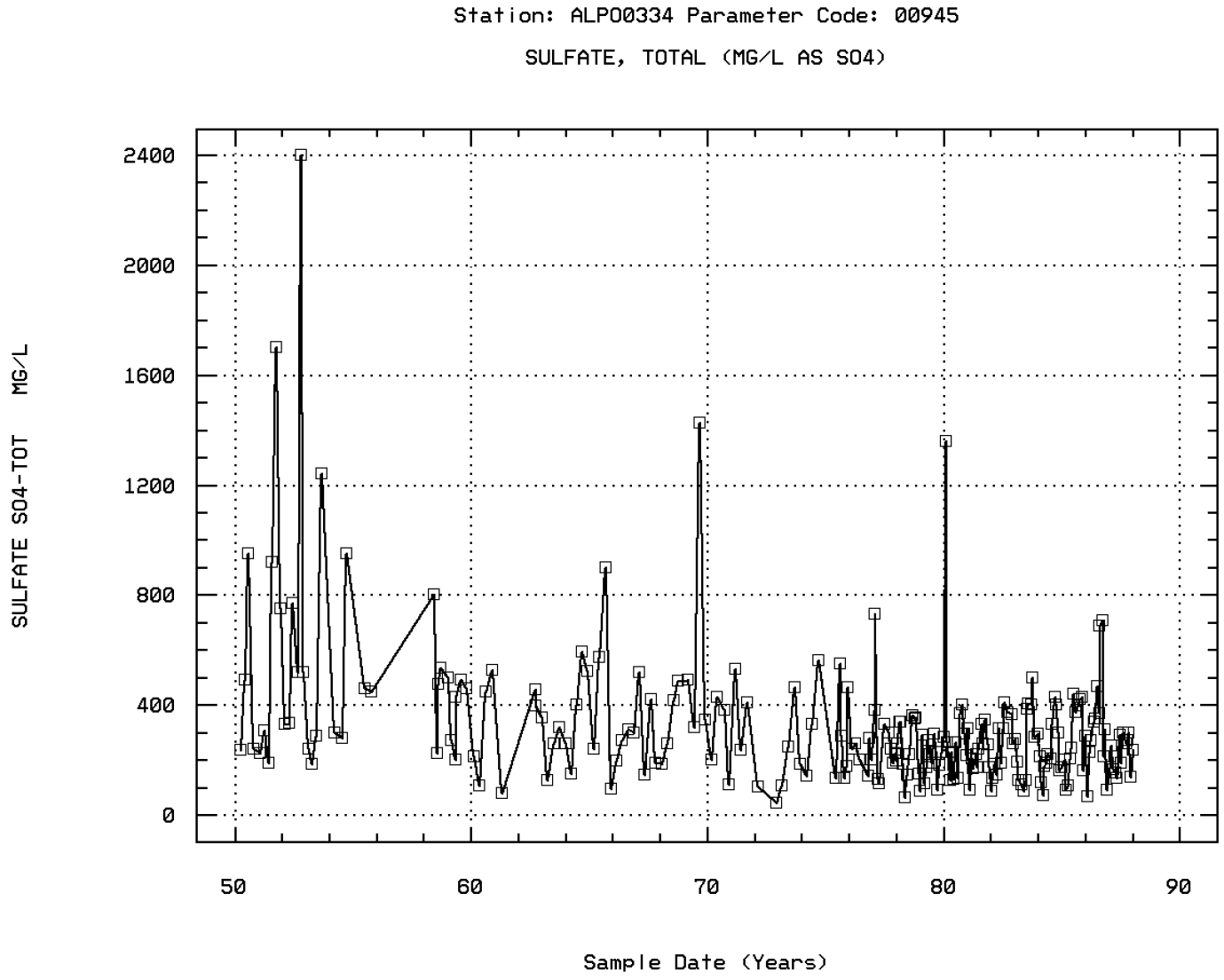
LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00940

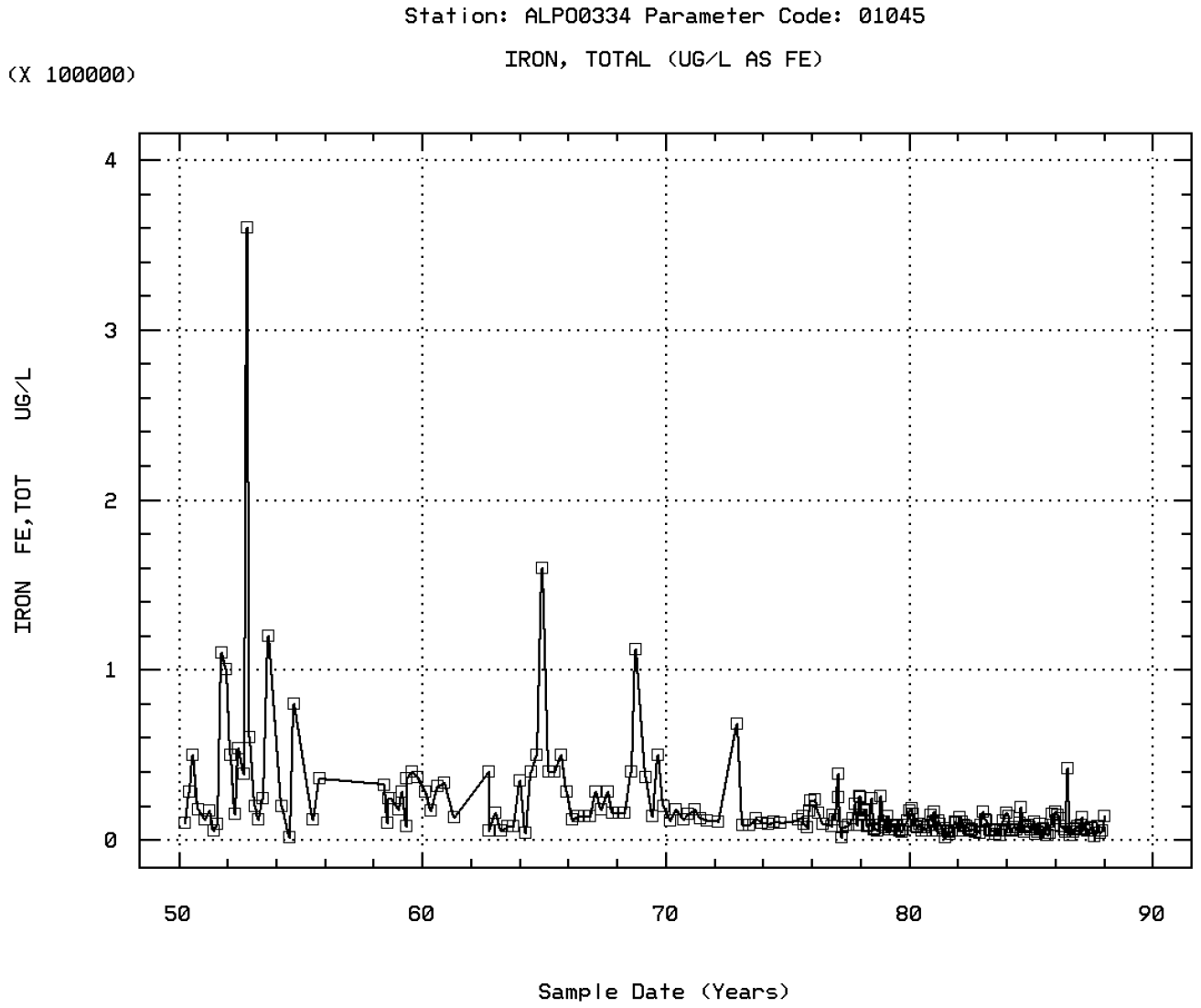
CHLORIDE,TOTAL IN WATER



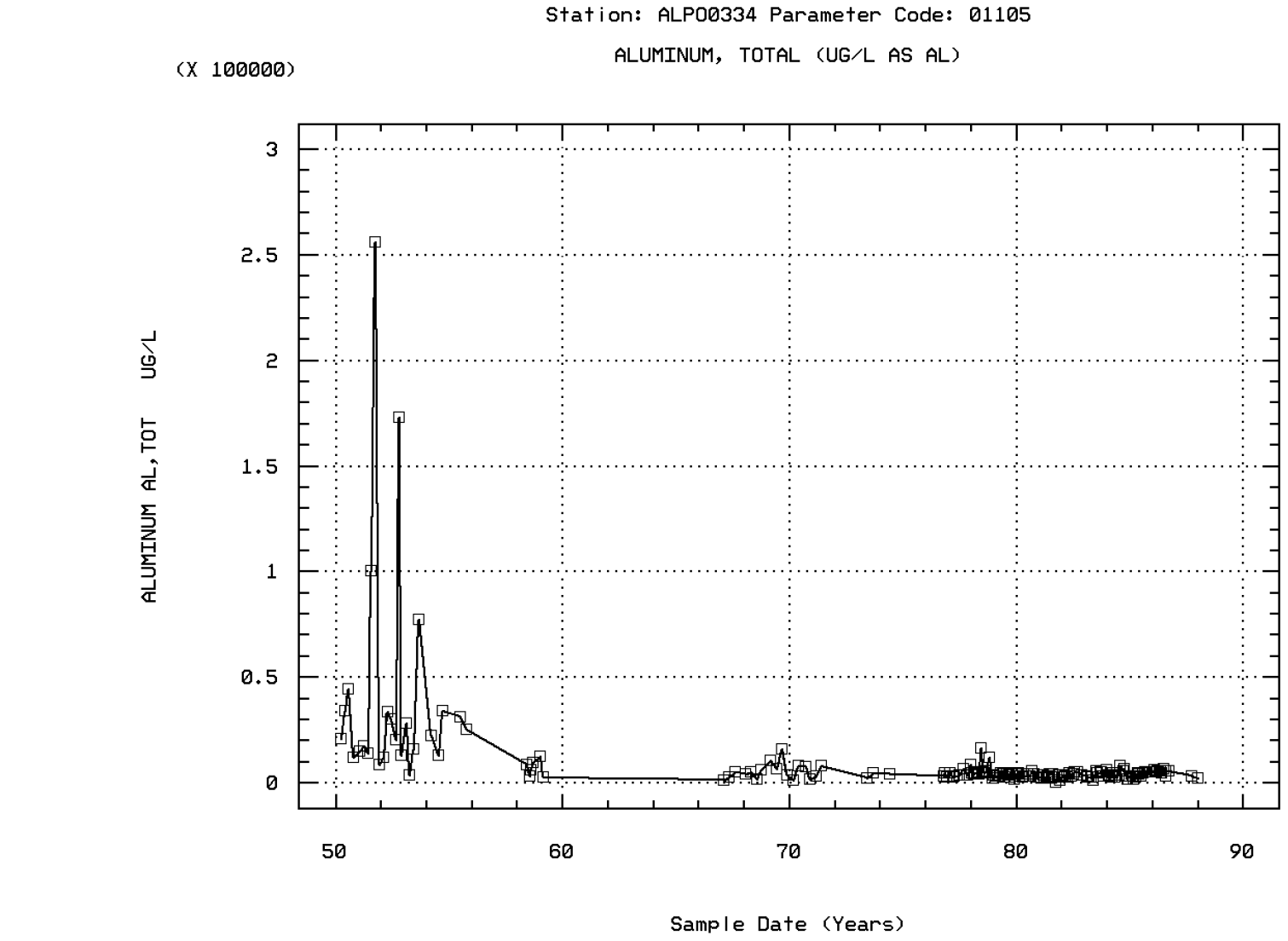
LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Annual Analysis for 1950 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	3.45	3.325	3.5	2.9	0.083	0.287	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	3.447	3.242	3.5	2.9	0.092	0.303	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	357.167	572.372	1258.925	316.228	210981.185	459.327	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	4	365.	478.75	950.	235.	112872.917	335.966	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	22800.	26400.	50000.	10000.	301973333.333	17377.38	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	4	27400.	27700.	44000.	12000.	199826666.667	14136.006	**	**	**	**

** - 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

Annual Analysis for 1951 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	6	3.35	3.317	4.	2.7	0.294	0.542	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	6	3.347	3.066	4.	2.7	0.369	0.607	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	6	449.647	858.051	1995.262	100.	797885.418	893.244	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	6	527.5	681.5	1700.	190.	338309.5	581.644	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	6	14500.	42266.667	110000.	5600.	2385306666.667	48839.601	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	6	16000.	68416.667	256000.	8500.	9646641666.667	98217.319	**	**	**	**

** - 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 1952 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	6	2.85	2.967	3.3	2.8	0.051	0.225	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	6	2.847	2.924	3.3	2.8	0.053	0.23	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	6	1421.909	1190.958	1584.893	501.187	251911.764	501.908	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	6	520.	812.667	2400.	330.	630586.667	794.095	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	6	52000.	96333.333	360000.	15000.	16936266666.667	130139.412	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	6	25000.	46916.667	173000.	12000.	3891441666.667	62381.421	**	**	**	**

** - 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 box-and-whisker plot

Annual Analysis for 1953 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	2.95	2.975	3.2	2.8	0.043	0.206	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	2.925	2.94	3.2	2.8	0.044	0.21	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	1189.611	1148.768	1584.893	630.957	258055.263	507.991	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	4	264.	488.	1240.	184.	253141.333	503.132	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	22000.	44000.	120000.	12000.	2592000000.	50911.688	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	4	22000.	31175.	77000.	3700.	1031722500.	32120.437	**	**	**	**

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

Annual Analysis for 1954 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	3	3.4	4.467	7.3	2.7	6.143	2.479	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	3	3.4	3.098	7.3	2.7	8.953	2.992	**	**	**	**

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

Annual Analysis for 1954 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	3	398.107	797.807	1995.262	0.05	1115037.613	1055.953	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	3	300.	510.	950.	280.	145300.	381.182	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	3	20000.	33833.333	80000.	1500.	1684083333.333	41037.584	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	3	22000.	23000.	34000.	13000.	111000000.	10535.654	**	**	**	**

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

Annual Analysis for 1955 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	2	2.8	2.8	3.3	2.3	0.5	0.707	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	2	2.56	2.56	3.3	2.3	0.616	0.785	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	2	2756.53	2756.53	5011.872	501.187	10173140.048	3189.536	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	2	455.	455.	460.	450.	50.	7.071	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	2	24000.	24000.	36000.	12000.	288000000.	16970.563	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	2	28000.	28000.	31000.	25000.	18000000.	4242.641	**	**	**	**

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

Annual Analysis for 1958 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	2.9	3.	3.5	2.7	0.12	0.346	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	2.9	2.918	3.5	2.7	0.129	0.359	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	1258.925	1207.335	1995.262	316.228	473408.232	688.047	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	4	505.	508.75	800.	225.	55722.917	236.057	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	24000.	22500.	32000.	10000.	83666666.667	9146.948	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	4	7350.	6800.	9500.	3000.	8486666.667	2913.188	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	6	3.25	3.217	3.5	2.9	0.062	0.248	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	6	3.225	3.158	3.5	2.9	0.066	0.256	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	6	596.218	694.283	1258.925	316.228	148131.798	384.879	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	6	445.	391.667	500.	200.	15816.667	125.764	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	6	31900.	27750.	39800.	8000.	155783000.	12481.306	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	2	7550.	7550.	12500.	2600.	49005000.	7000.357	**	**	**	**

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

Annual Analysis for 1960 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	3.5	3.5	4.	3.	0.173	0.416	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	3.489	3.359	4.	3.	0.2	0.447	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	324.648	437.324	1000.	100.	155525.364	394.367	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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Annual Analysis for 1960 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	4	331.5	324.25	528.	106.	39112.25	197.768	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	29650.	27425.	33600.	16800.	55455833.333	7446.867	**	**	**	**

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Annual Analysis for 1961 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	1	63.096	63.096	63.096	63.096	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	1	77.	77.	77.	77.	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	1	13400.	13400.	13400.	13400.	0.	0.	**	**	**	**

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Annual Analysis for 1962 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	2	21.5	21.5	24.	19.	12.5	3.536	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	2	6.8	6.8	7.5	6.1	0.98	0.99	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	2	3.55	3.55	4.	3.1	0.405	0.636	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	2	3.35	3.35	4.	3.1	0.485	0.697	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	2	447.164	447.164	794.328	100.	241045.849	490.964	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	2	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	2	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	2	251.189	251.189	251.189	251.189	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	2	175.	175.	210.	140.	2450.	49.497	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	2	370.	370.	440.	300.	9800.	98.995	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	2	15.	15.	20.	10.	50.	7.071	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	2	425.	425.	455.	395.	1800.	42.426	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	2	22500.	22500.	40000.	5000.	612500000.	24748.737	**	**	**	**

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Annual Analysis for 1963 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	4	16.5	16.75	31.	3.	168.25	12.971	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	4	7.7	8.625	14.5	4.6	21.643	4.652	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	4	3.85	4.075	5.7	2.9	1.416	1.19	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	4	3.782	3.4	5.7	2.9	2.023	1.422	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	4	165.311	397.886	1258.925	1.995	340350.295	583.395	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	3.75	4.05	5.5	3.2	1.003	1.002	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	3.747	3.605	5.5	3.2	1.267	1.126	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	179.008	248.034	630.957	3.162	72321.234	268.926	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	4	30.	31.25	50.	15.	206.25	14.361	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	4	250.	226.25	290.	115.	6122.917	78.249	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	4	10.5	10.75	22.	0.	80.917	8.995	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	4	290.	265.	355.	125.	10250.	101.242	**	**	**	**

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Annual Analysis for 1963 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	8000.	9250.	16000.	5000.	22250000.	4716.991	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	5	14.	15.2	31.	3.	118.7	10.895	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	5	5.	4.92	9.2	0.	11.172	3.342	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	5	3.6	3.56	4.4	3.	0.313	0.559	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	5	3.6	3.34	4.4	3.	0.373	0.611	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	5	251.189	456.971	1000.	39.811	172834.322	415.733	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	5	3.7	3.58	4.2	3.	0.207	0.455	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	5	3.7	3.406	4.2	3.	0.245	0.495	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	5	199.526	392.667	1000.	63.096	140963.486	375.451	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	5	25.	54.	135.	15.	2630.	51.284	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	5	250.	387.	800.	185.	69470.	263.572	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	5	22.	27.6	60.	15.	345.3	18.582	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	5	400.	385.4	595.	150.	33485.8	182.991	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	5	40000.	57800.	160000.	4000.	3559200000.	59659.031	**	**	**	**

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

Annual Analysis for 1965 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	4	19.5	18.75	32.	4.	168.917	12.997	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	4	6.9	7.325	9.4	6.1	2.223	1.491	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	4	4.45	4.175	4.6	3.2	0.442	0.665	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	4	4.425	3.738	4.6	3.2	0.697	0.835	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	4	37.619	182.828	630.957	25.119	89392.001	298.985	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	4.65	4.575	5.8	3.2	1.136	1.066	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	4.647	3.771	5.8	3.2	1.998	1.413	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	22.536	169.403	630.957	1.585	94782.886	307.868	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	3	18.	16.	21.	9.	39.	6.245	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	4	95.	103.75	200.	25.	5356.25	73.186	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	4	392.5	386.25	580.	180.	26756.25	163.573	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	4	22.	21.5	25.	17.	13.667	3.697	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	4	406.5	452.25	900.	96.	129454.917	359.798	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	40000.	39500.	50000.	28000.	81000000.	9000.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	4	18.5	17.5	29.	4.	105.667	10.279	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	3	7.6	8.067	10.6	6.	5.453	2.335	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	4	4.15	4.2	4.9	3.6	0.327	0.572	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	4	4.082	3.969	4.9	3.6	0.398	0.631	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	4	82.852	107.37	251.189	12.589	11524.844	107.354	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	4.55	4.525	5.	4.	0.169	0.411	**	**	**	**

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Annual Analysis for 1966 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	4.547	4.38	5.	4.	0.197	0.444	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	28.371	41.685	100.	10.	1593.421	39.918	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	4	7.5	8.5	19.	0.	61.667	7.853	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	4	115.	107.5	160.	40.	2491.667	49.917	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	4	257.5	267.	415.	138.	14746.	121.433	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	3	11.	14.	22.	9.	49.	7.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	4	284.	268.25	310.	195.	2665.583	51.629	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	14000.	13500.	14000.	12000.	1000000.	1000.	**	**	**	**

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Annual Analysis for 1967 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	4	10.	12.	24.	4.	72.	8.485	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	4	8.4	7.8	9.2	5.2	3.173	1.781	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	4	4.7	4.75	5.1	4.5	0.07	0.265	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	4	4.689	4.696	5.1	4.5	0.074	0.272	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	4	20.484	20.133	31.623	7.943	107.939	10.389	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	4.6	4.875	6.2	4.1	0.836	0.914	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	4.6	4.487	6.2	4.1	1.036	1.018	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	25.119	32.575	79.433	0.631	1109.088	33.303	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	4	10.	9.25	15.	2.	45.583	6.752	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	4	22.5	26.25	50.	10.	389.583	19.738	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	4	190.	214.5	340.	138.	7603.667	87.199	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	4	12.	11.25	21.	0.	76.917	8.77	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	4	305.	319.	520.	146.	32390.667	179.974	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	23000.	22500.	28000.	16000.	41000000.	6403.124	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	3	2400.	2843.333	5100.	1030.	4288633.333	2070.902	**	**	**	**

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Annual Analysis for 1968 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	4	18.5	16.125	24.	3.5	97.729	9.886	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	4	7.	7.45	10.2	5.6	5.103	2.259	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	4	4.45	4.325	5.2	3.2	0.969	0.984	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	4	4.08	3.697	5.2	3.2	1.495	1.223	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	4	83.216	200.925	630.957	6.31	87281.904	295.435	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	4.2	4.2	5.	3.4	0.487	0.698	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	4.104	3.85	5.	3.4	0.65	0.806	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	78.758	141.406	398.107	10.	31818.684	178.378	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	4	1.5	2.75	8.	0.	14.25	3.775	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	4	39.	41.75	74.	15.	596.25	24.418	**	**	**	**
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/17/66-01/07/88	3	0.04	0.04	0.08	0.	0.002	0.04	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	4	308.	294.	420.	140.	14010.667	118.367	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	4	19.	20.75	30.	15.	47.583	6.898	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	4	337.5	337.	488.	185.	19306.	138.946	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	28000.	46000.	112000.	16000.	2064000000.	45431.267	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	4	4330.	3980.	5900.	1360.	3785866.667	1945.73	**	**	**	**

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Annual Analysis for 1969 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	4	17.	14.75	23.	2.	96.917	9.845	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	4	7.	7.	8.	6.	0.667	0.816	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	4	3.7	3.675	4.3	3.	0.343	0.585	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	4	3.604	3.412	4.3	3.	0.435	0.659	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	4	249.054	387.056	1000.	50.119	190583.45	436.559	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	3.45	3.575	4.5	2.9	0.449	0.67	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	3.447	3.3	4.5	2.9	0.55	0.742	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	357.167	501.221	1258.925	31.623	279831.142	528.991	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	4	0.	1.75	7.	0.	12.25	3.5	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	4	49.	48.5	68.	28.	273.	16.523	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	4	355.	426.	740.	254.	49837.333	223.243	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	4	15.	17.25	25.	14.	26.917	5.188	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	4	417.5	645.	1425.	320.	276016.667	525.373	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	28250.	30125.	50000.	14000.	271729166.667	16484.21	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	4	8400.	9025.	15800.	3500.	27895833.333	5281.651	**	**	**	**

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Annual Analysis for 1970 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	4	9.	12.5	26.	6.	89.	9.434	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/70-12/01/87	1	460.	460.	460.	460.	0.	0.	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	4	8.5	6.975	10.	0.9	17.069	4.131	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	3	4.5	4.333	4.9	3.6	0.443	0.666	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	3	4.5	4.007	4.9	3.6	0.603	0.777	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	3	31.623	98.467	251.189	12.589	17583.519	132.603	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	3.9	4.05	4.9	3.5	0.417	0.645	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	3.804	3.794	4.9	3.5	0.504	0.71	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	157.142	160.775	316.228	12.589	21280.148	145.877	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	4	0.5	2.	7.	0.	11.333	3.367	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	4	43.	49.5	88.	24.	819.667	28.63	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	4	236.	234.	330.	134.	10258.667	101.285	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	4	13.	16.	30.	8.	95.333	9.764	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	4	290.	280.	430.	110.	22600.	150.333	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	13350.	14000.	17800.	11500.	8780000.	2963.106	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	4	4480.	4460.	7900.	980.	14471200.	3804.103	**	**	**	**

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Annual Analysis for 1971 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	3	22.	17.667	26.	5.	124.333	11.15	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	3	9.	9.	10.	8.	1.	1.	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	3	4.7	4.567	5.2	3.8	0.503	0.709	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	3	4.7	4.211	5.2	3.8	0.694	0.833	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	3	19.953	61.584	158.489	6.31	7089.537	84.199	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	3	3.6	3.9	4.7	3.4	0.49	0.7	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	3	3.6	3.652	4.7	3.4	0.583	0.763	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	3	251.189	223.083	398.107	19.953	36342.669	190.638	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	2	2.	2.	4.	0.	8.	2.828	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	3	15.	22.333	42.	10.	296.333	17.214	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	3	280.	276.	348.	200.	5488.	74.081	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	3	20.	89.333	230.	18.	14841.333	121.825	**	**	**	**

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Annual Analysis for 1971 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	3	409.	391.333	530.	235.	21990.333	148.291	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	3	12700.	13800.	17700.	11000.	12130000.	3482.815	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	2	5375.	5375.	7900.	2850.	12751250.	3570.889	**	**	**	**

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Annual Analysis for 1972 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/70-12/01/87	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	2	9.	9.	10.	8.	2.	1.414	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	2	5.35	5.35	5.7	5.	0.245	0.495	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	2	5.222	5.222	5.7	5.	0.278	0.527	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	2	5.998	5.998	10.	1.995	32.038	5.66	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	2	5.45	5.45	5.5	5.4	0.005	0.071	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	2	5.447	5.447	5.5	5.4	0.005	0.071	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	2	3.572	3.572	3.981	3.162	0.335	0.579	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	1	166.	166.	166.	166.	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/72-01/07/88	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	1	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	1	1.179	1.179	1.179	1.179	0.	0.	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/72-01/07/88	1	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	2	105.	105.	120.	90.	450.	21.213	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	2	12.	12.	14.	10.	8.	2.828	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	2	71.5	71.5	101.	42.	1740.5	41.719	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	2	39350.	39350.	68000.	10700.	1641645000.	40517.219	**	**	**	**

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Annual Analysis for 1973 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	3	22.	19.	28.	7.	117.	10.817	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-09/24/87	1	300.	300.	300.	300.	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/70-12/01/87	4	422.5	461.25	700.	300.	32672.917	180.757	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	3	10.	8.333	11.	4.	14.333	3.786	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	2	5.3	5.3	5.5	5.1	0.08	0.283	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	2	5.255	5.255	5.5	5.1	0.084	0.29	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	2	5.553	5.553	7.943	3.162	11.429	3.381	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	4.9	5.1	6.	4.6	0.387	0.622	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	4.889	4.886	6.	4.6	0.448	0.669	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	12.924	12.992	25.119	1.	102.661	10.132	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	4	4.	4.75	9.	2.	9.583	3.096	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/07/73-12/01/87	1	468.	468.	468.	468.	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/72-01/07/88	4	0.85	1.325	3.	0.6	1.268	1.126	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	4	0.023	0.022	0.026	0.014	0.	0.005	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	4	0.97	0.97	1.179	0.76	0.053	0.231	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/72-01/07/88	4	0.07	0.093	0.18	0.05	0.004	0.06	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	4	171.	181.5	264.	120.	3609.	60.075	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	4	11.5	13.25	20.	10.	20.917	4.573	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	4	217.5	251.	462.	107.	23162.	152.191	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	9250.	9862.5	12500.	8450.	3435625.	1853.544	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	2	3265.	3265.	4700.	1830.	4118450.	2029.396	**	**	**	**

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Annual Analysis for 1974 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00065	STAGE, STREAM (FEET)	06/06/74-09/24/87	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/70-12/01/87	3	650.	583.333	1000.	100.	205833.333	453.689	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	3	7.	6.833	10.5	3.	14.083	3.753	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	3	5.9	5.9	6.7	5.1	0.64	0.8	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	3	5.9	5.504	6.7	5.1	0.875	0.936	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	3	1.259	3.134	7.943	0.2	17.628	4.199	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	3	3.7	4.	5.	3.3	0.79	0.889	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	3	3.7	3.625	5.	3.3	1.	1.	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	3	199.526	236.904	501.187	10.	61364.075	247.718	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	3	0.	0.667	2.	0.	1.333	1.155	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/72-01/07/88	3	0.65	0.553	0.75	0.26	0.067	0.259	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	3	0.032	0.039	0.054	0.03	0.	0.013	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	3	0.94	1.08	1.719	0.58	0.339	0.582	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/72-01/07/88	3	0.06	0.06	0.07	0.05	0.	0.01	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	3	297.	249.	336.	114.	14049.	118.528	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	3	12.	11.	12.	9.	3.	1.732	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	3	330.	344.667	561.	143.	43842.333	209.386	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	3	10100.	10066.667	10600.	9500.	303333.333	550.757	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	1	4000.	4000.	4000.	4000.	0.	0.	**	**	**	**

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Annual Analysis for 1975 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	5	14.	13.4	20.	4.	43.8	6.618	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-09/24/87	3	290.	340.333	638.	93.	76156.333	275.964	**	**	**	**
00065	STAGE, STREAM (FEET)	06/06/74-09/24/87	5	1.7	1.98	3.	1.5	0.377	0.614	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/70-12/01/87	6	450.	466.667	900.	210.	58306.667	241.468	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	6	7.5	7.833	9.	7.	0.967	0.983	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	6	6.55	6.417	6.6	5.7	0.126	0.354	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	6	6.547	6.249	6.6	5.7	0.159	0.399	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	6	0.284	0.564	1.995	0.251	0.493	0.702	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	6	4.05	3.933	4.6	3.2	0.287	0.535	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	6	4.047	3.67	4.6	3.2	0.37	0.608	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	6	89.716	213.956	630.957	25.119	60277.269	245.514	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	5	2.	2.4	6.	0.	6.8	2.608	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/72-01/07/88	6	0.475	0.442	0.71	0.12	0.061	0.248	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	6	0.025	0.026	0.032	0.02	0.	0.005	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	6	1.02	1.038	1.44	0.81	0.054	0.232	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/72-01/07/88	6	0.07	0.065	0.08	0.04	0.	0.018	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	6	242.	265.5	539.	102.	21678.7	147.237	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	6	8.5	8.833	11.	6.	3.767	1.941	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	6	231.	290.	550.	132.	31899.2	178.603	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	6	12900.	13633.333	22800.	7300.	32114666.667	5666.98	**	**	**	**

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Annual Analysis for 1976 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	4	8.	8.125	12.	4.5	15.396	3.924	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-09/24/87	2	514.5	514.5	699.	330.	68080.5	260.922	**	**	**	**
00065	STAGE, STREAM (FEET)	06/06/74-09/24/87	3	2.2	2.2	2.9	1.5	0.49	0.7	**	**	**	**

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Annual Analysis for 1976 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/70-12/01/87	6	415.	545.	1100.	360.	81350.	285.219	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	5	9.1	9.64	12.	8.	2.293	1.514	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	5	5.1	5.48	6.5	4.8	0.592	0.769	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	5	5.1	5.125	6.5	4.8	0.75	0.866	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	5	7.943	7.498	15.849	0.316	48.094	6.935	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	6	4.25	4.283	5.3	3.3	0.738	0.859	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	6	4.05	3.774	5.3	3.3	1.049	1.024	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	6	89.221	168.135	501.187	5.012	41435.371	203.557	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	5	2.	4.	12.	0.	26.	5.099	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/07/73-12/01/87	3	336.	348.	446.	262.	8572.	92.585	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	3	26.	28.	38.	20.	84.	9.165	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/72-01/07/88	6	0.53	0.65	1.1	0.34	0.083	0.287	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	6	0.037	0.039	0.056	0.026	0.	0.01	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	6	1.33	1.248	1.5	0.84	0.056	0.237	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/72-01/07/88	6	0.09	0.088	0.11	0.06	0.	0.018	**	**	**	**
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/17/66-01/07/88	3	0.08	0.077	0.11	0.04	0.001	0.035	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	6	253.	252.5	432.	126.	13411.9	115.81	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	6	11.5	11.833	16.	8.	8.967	2.994	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	6	220.	220.	280.	140.	2560.	50.596	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	6	13050.	13700.	23500.	7800.	31900000.	5648.008	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	3	2750.	3306.667	4450.	2720.	980633.333	990.269	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	2	0.5	0.5	1.	0.	0.5	0.707	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	2	0.	0.	0.	0.	0.	0.	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/18/76-01/07/88	2	85.	85.	90.	80.	50.	7.071	**	**	**	**

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Annual Analysis for 1977 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	7	10.	13.357	26.	5.	77.06	8.778	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-09/24/87	6	279.5	422.667	1097.	65.	170591.467	413.027	**	**	**	**
00065	STAGE, STREAM (FEET)	06/06/74-09/24/87	7	1.7	1.986	3.4	1.	0.768	0.876	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/16/77-12/08/82	2	47.5	47.5	95.	0.	4512.5	67.175	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/70-12/01/87	9	500.	611.111	900.	300.	57336.111	239.45	300.	400.	850.	900.
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	7	11.6	10.314	13.	7.	6.275	2.505	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	7	4.8	4.629	5.1	3.2	0.409	0.64	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	7	4.8	3.991	5.1	3.2	0.884	0.94	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	7	15.849	102.127	630.957	7.943	54387.456	233.211	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	9	4.8	4.756	6.5	3.5	1.028	1.014	3.5	3.75	5.55	6.5
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	9	4.8	4.081	6.5	3.5	1.54	1.241	3.5	3.75	5.55	6.5
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	9	15.849	82.98	316.228	0.316	13115.368	114.522	0.316	3.298	179.008	316.228
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	9	4.	4.889	16.	0.	32.111	5.667	0.	0.	9.	16.
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/07/73-12/01/87	9	588.	523.556	732.	196.	45481.778	213.265	196.	297.	715.	732.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	8	25.	27.	74.	2.	452.571	21.274	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/72-01/07/88	9	1.21	1.357	2.75	0.44	0.774	0.88	0.44	0.56	2.255	2.75
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	9	0.032	0.033	0.04	0.026	0.	0.005	0.026	0.028	0.037	0.04
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	9	1.2	1.252	1.53	1.08	0.027	0.165	1.08	1.135	1.395	1.53
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/72-01/07/88	9	0.1	0.119	0.21	0.06	0.002	0.049	0.06	0.08	0.16	0.21
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/17/66-01/07/88	7	0.22	0.284	0.91	0.05	0.092	0.303	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	9	270.	311.111	648.	112.	29292.111	171.149	112.	165.	430.	648.
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	2	46.8	46.8	51.2	42.4	38.72	6.223	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	2	28.35	28.35	30.8	25.9	12.005	3.465	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	9	14.	14.778	24.	11.	17.694	4.206	11.	11.5	17.	24.
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	9	240.	293.	730.	115.	34600.5	186.012	115.	159.	355.	730.
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	9	12500.	16481.111	39000.	1180.	143543961.111	11980.983	1180.	7700.	25275.	39000.

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Annual Analysis for 1977 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	7	3700.	4014.286	6500.	2400.	1888095.238	1374.08	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	11 ##	12.5	13.409	50.	0.	162.841	12.761	1.	10.	12.5	42.5
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	11 ##	1.097	0.989	1.699	0.	0.162	0.403	0.14	1.	1.097	1.579
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.757								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/18/76-01/07/88	8	35.	131.25	540.	5.	39662.5	199.154	**	**	**	**
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	2	41.	41.	48.	34.	98.	9.899	**	**	**	**

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Annual Analysis for 1978 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	10	14.15	12.8	25.	-3.5	84.284	9.181	4.	-1.625	21.225	24.66
00065	STAGE, STREAM (FEET)	06/06/74-09/24/87	12	1.05	1.7	8.5	0.8	4.615	2.148	0.86	1.	1.325	6.37
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/16/77-12/08/82	12	42.5	65.833	220.	15.	3585.606	59.88	16.5	26.25	81.25	196.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/70-12/01/87	12	550.	537.5	700.	200.	21420.455	146.357	260.	462.5	675.	700.
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	9	9.8	10.078	13.2	8.5	2.689	1.64	8.5	8.7	11.4	13.2
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	4	4.9	4.75	5.3	3.9	0.363	0.603	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	4	4.889	4.407	5.3	3.9	0.52	0.721	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	4	12.924	39.188	125.893	5.012	3360.779	57.972	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	13	4.7	4.885	6.5	4.	0.475	0.689	4.12	4.3	5.15	6.26
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	13	4.7	4.568	6.5	4.	0.583	0.764	4.12	4.3	5.15	6.26
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	13	19.953	27.017	100.	0.316	805.22	28.376	0.693	7.126	50.119	80.047
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	13	6.	18.308	160.	0.	1821.897	42.684	1.6	5.	10.	100.8
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/07/73-12/01/87	13	488.	479.846	686.	154.	26909.641	164.042	212.4	316.	617.	661.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	13	42.	99.538	456.	4.	16844.103	129.785	12.8	28.	150.	377.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/72-01/07/88	13	1.47	1.645	4.84	0.19	1.431	1.196	0.33	0.815	2.185	3.984
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	13	0.024	0.028	0.054	0.008	0.	0.012	0.013	0.02	0.037	0.051
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	13	1.3	1.488	4.18	0.96	0.694	0.833	0.968	1.05	1.5	3.132
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/72-01/07/88	13	0.13	0.621	5.94	0.03	2.568	1.602	0.038	0.095	0.33	3.72
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/17/66-01/07/88	13	0.11	0.118	0.28	0.03	0.006	0.077	0.03	0.051	0.16	0.26
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	13	286.	257.154	400.	63.	9564.141	97.796	101.8	162.	330.	388.
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	13	62.4	57.415	81.6	14.4	419.963	20.493	21.76	40.4	76.4	80.64
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	13	29.2	30.508	55.	7.4	216.177	14.703	10.64	19.	41.9	54.
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	13	16.	14.308	20.	7.	14.397	3.794	8.2	11.	16.5	19.6
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	12	240.	247.	360.	64.	10282.727	101.404	88.3	158.5	347.5	358.5
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	13	10300.	13611.538	25380.	5000.	57249197.436	7566.32	5480.	7375.	21000.	25252.
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	12	4800.	6304.167	16020.	2200.	15723626.515	3965.303	2710.	4195.	7755.	14811.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	17 ##	12.5	141.324	2000.	10.	230432.904	480.034	10.	12.5	22.5	500.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	17 ##	1.097	1.348	3.301	1.	0.355	0.596	1.	1.097	1.349	2.338
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			22.307								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/18/76-01/07/88	13	15.	106.769	1130.	0.5	94859.484	307.993	1.3	4.	45.	700.
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	12	52.	44.833	80.	0.	614.879	24.797	1.8	23.	61.5	75.2

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Annual Analysis for 1979 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	12	10.	11.15	21.	2.	47.608	6.9	2.09	5.625	18.425	20.85
00065	STAGE, STREAM (FEET)	06/06/74-09/24/87	12	1.1	1.4	2.9	0.5	0.582	0.763	0.59	0.925	2.05	2.81
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/16/77-12/08/82	11	25.	26.818	45.	15.	101.364	10.068	15.	20.	35.	44.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/70-12/01/87	11	500.	472.727	700.	290.	17621.818	132.747	292.	320.	550.	688.
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	10	9.65	9.91	11.8	8.	1.759	1.326	8.06	8.75	11.125	11.8
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	10	4.8	4.85	6.5	4.	0.414	0.643	4.05	4.575	4.925	6.35

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Annual Analysis for 1979 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	10	4.8	4.598	6.5	4.	0.484	0.696	4.05	4.575	4.925	6.35
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	10	15.849	25.231	100.	0.316	767.544	27.705	1.285	11.942	26.745	93.162
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	12	4.8	4.95	5.9	4.2	0.281	0.53	4.32	4.6	5.425	5.87
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	12	4.8	4.736	5.9	4.2	0.331	0.575	4.32	4.6	5.425	5.87
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	12	15.849	18.386	63.096	1.259	276.826	16.638	1.357	5.031	25.119	51.703
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	12	4.	4.442	10.	0.3	9.123	3.02	0.81	2.	7.5	9.4
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/07/73-12/01/87	12	376.	365.333	634.	152.	19752.97	140.545	170.	236.5	467.5	596.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	12	25.	34.	72.	20.	343.273	18.528	20.	22.	44.5	70.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/72-01/07/88	12	0.595	0.624	1.43	0.15	0.148	0.385	0.177	0.253	0.91	1.301
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	12	0.008	0.009	0.016	0.006	0.	0.003	0.006	0.006	0.012	0.015
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	12	0.88	0.943	1.5	0.61	0.069	0.263	0.628	0.752	1.18	1.419
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/72-01/07/88	12	0.08	0.085	0.15	0.05	0.001	0.029	0.053	0.063	0.09	0.144
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/17/66-01/07/88	12	0.071	0.08	0.26	0.005	0.005	0.069	0.01	0.026	0.116	0.22
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	12	190.	181.833	305.	90.	3286.333	57.327	96.6	128.25	209.5	277.7
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	12	45.6	42.217	63.2	14.4	251.051	15.845	16.38	27.6	54.4	62.24
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	12	20.65	20.883	42.6	6.1	104.274	10.211	7.75	12.6	23.275	40.71
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	12	10.	10.25	15.	7.	5.841	2.417	7.3	8.	12.	14.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	12	205.	197.5	295.	85.	5256.818	72.504	86.5	130.	260.	293.5
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	12	7550.	7873.333	14040.	4900.	6923624.242	2631.278	5035.	5962.5	8790.	13194.
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	12	3220.	3288.333	4420.	1640.	706796.97	840.712	1844.	2665.	4065.	4390.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	24 ##	12.5	275.729	1900.	5.	304550.804	551.861	5.	5.	247.5	1550.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	24 ##	1.097	1.58	3.279	0.699	0.833	0.913	0.699	0.699	2.387	3.19
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			38.016								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/18/76-01/07/88	12	10.	13.583	33.	2.	111.902	10.578	2.6	5.	23.75	31.2
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	12	36.	34.333	60.	4.	233.333	15.275	8.8	23.5	46.	57.6

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Annual Analysis for 1980 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	11	5.9	8.427	19.9	0.2	43.95	6.629	0.56	3.	13.9	19.32
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-09/24/87	9	130.	203.222	580.	79.	23774.944	154.191	79.	119.	256.	580.
00065	STAGE, STREAM (FEET)	06/06/74-09/24/87	12	1.345	1.472	2.3	0.83	0.306	0.553	0.869	0.985	2.1	2.3
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/16/77-12/08/82	12	20.	23.958	45.	2.5	131.203	11.454	6.25	20.	32.5	43.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/70-12/01/87	12	575.	571.25	845.	330.	30259.659	173.953	339.	398.75	691.25	843.5
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	10	12.1	11.92	15.	9.	3.268	1.808	9.05	10.475	13.175	14.84
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	4	4.945	4.9	6.23	3.48	1.306	1.143	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	4	4.874	4.048	6.23	3.48	2.275	1.508	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	4	13.363	89.612	331.131	0.589	25994.599	161.228	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	12	5.	4.942	6.1	3.7	0.623	0.789	3.73	4.35	5.575	6.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	12	4.989	4.385	6.1	3.7	0.96	0.98	3.73	4.35	5.575	6.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	12	10.266	41.165	199.526	0.794	4426.19	66.53	0.794	3.074	45.495	187.215
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	11	6.	5.818	10.	0.	9.764	3.125	0.4	4.	8.	10.
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/07/73-12/01/87	12	539.	636.333	2044.	296.	214463.152	463.102	298.4	382.5	671.	1637.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	12	26.	30.5	64.	6.	351.364	18.745	7.8	16.5	44.	62.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/72-01/07/88	12	1.11	1.236	3.41	0.21	0.826	0.909	0.234	0.478	1.815	2.948
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	12	0.008	0.008	0.012	0.002	0.	0.003	0.003	0.007	0.01	0.011
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	12	0.83	0.891	1.9	0.056	0.192	0.438	0.198	0.705	1.085	1.699
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/72-01/07/88	12	0.06	0.143	1.05	0.01	0.082	0.287	0.019	0.05	0.07	0.774
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/17/66-01/07/88	12	0.043	0.048	0.12	0.005	0.001	0.035	0.007	0.019	0.075	0.111
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	12	260.	285.667	504.	128.	16580.061	128.764	133.7	160.75	402.	496.8
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	12	58.	57.4	94.4	33.6	375.985	19.39	33.6	37.	71.2	90.56
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	11	31.4	39.373	69.	17.3	400.442	20.011	17.3	21.	59.	68.6
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	12	11.5	10.667	14.	6.	6.606	2.57	6.6	8.25	13.	13.7
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	12	265.	339.583	1360.	125.	111024.811	333.204	126.5	155.	351.25	1072.
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	12	8845.	10536.667	18370.	5160.	20660951.515	4545.432	5250.	7342.5	15135.	17926.

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Annual Analysis for 1980 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	12	3045.	3465.833	5610.	2680.	802681.061	895.925	2689.	2755.	3940.	5271.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	21 ##	50.	104.881	680.	5.	38777.173	196.919	6.	10.	62.5	580.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	21 ##	1.699	1.518	2.833	0.699	0.405	0.636	0.759	1.	1.787	2.746
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			32.969								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/18/76-01/07/88	12	75.5	76.75	195.	0.	4828.932	69.491	1.2	8.5	143.25	183.
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	12	42.	37.917	70.	8.	352.083	18.764	9.2	23.5	49.5	67.

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Annual Analysis for 1981 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	11	12.8	10.664	21.2	0.2	65.019	8.063	0.56	2.	18.1	20.76
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-09/24/87	12	190.	257.083	1000.	75.	61317.72	247.624	80.7	123.25	295.5	799.6
00065	STAGE, STREAM (FEET)	06/06/74-09/24/87	12	1.375	1.509	2.86	0.77	0.463	0.681	0.8	1.008	1.698	2.842
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/16/77-12/08/82	12	30.	31.642	70.	2.7	412.723	20.316	2.79	15.25	49.	64.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/70-12/01/87	12	545.	544.583	745.	295.	17629.356	132.776	332.5	436.25	657.5	737.5
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	11	9.4	10.591	15.4	8.4	5.547	2.355	8.42	8.8	12.5	15.
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	7	5.2	5.031	5.9	4.05	0.379	0.615	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	7	5.2	4.667	5.9	4.05	0.534	0.731	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	7	6.31	21.536	89.125	1.259	992.248	31.5	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	12	4.9	4.992	6.5	4.	0.548	0.74	4.03	4.45	5.375	6.35
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	12	4.855	4.587	6.5	4.	0.727	0.852	4.03	4.45	5.375	6.35
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	12	13.948	25.872	100.	0.316	1041.6	32.274	0.521	4.239	36.138	93.83
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	12	2.	3.417	11.	0.	13.538	3.679	0.	0.25	7.	9.8
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/07/73-12/01/87	12	424.	420.5	604.	224.	15972.455	126.382	240.8	299.	547.	596.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	10	16.	20.6	40.	2.	148.489	12.186	3.	13.5	32.	39.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/72-01/07/88	12	0.74	1.228	4.81	0.13	1.702	1.305	0.181	0.45	1.775	4.06
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	12	0.01	0.011	0.016	0.004	0.	0.004	0.005	0.009	0.016	0.016
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	12	0.835	0.901	1.29	0.62	0.037	0.194	0.641	0.783	1.078	1.239
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/72-01/07/88	12	0.07	0.1	0.42	0.04	0.011	0.103	0.043	0.053	0.095	0.33
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/17/66-01/07/88	12	0.034	0.088	0.48	0.015	0.017	0.13	0.017	0.027	0.119	0.378
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	12	257.	259.5	382.	103.	7910.818	88.943	125.2	183.	342.5	374.8
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	12	52.45	52.158	79.8	22.4	343.112	18.523	22.88	41.025	69.4	77.7
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	12	16.9	17.592	35.5	4.4	63.026	7.939	6.38	12.775	22.375	32.26
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	12	12.	12.	16.	7.	6.182	2.486	7.6	10.25	14.	15.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	12	229.5	231.583	345.	90.	5623.902	74.993	114.	175.	301.5	340.2
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	12	6070.	7427.5	16190.	1190.	17008129.545	4124.091	1901.	4647.5	10437.5	14783.
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	12	2570.	2482.833	3780.	4.	1203979.97	1097.26	371.8	1990.	3385.	3774.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	9	25.	61.111	250.	12.5	6032.986	77.672	12.5	12.5	87.5	250.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	9	1.398	1.529	2.398	1.097	0.236	0.486	1.097	1.097	1.938	2.398
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			33.777								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/18/76-01/07/88	11	17.	37.	112.	0.	1860.4	43.132	0.	0.	83.	110.4
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	11	20.	29.818	92.	0.	920.964	30.347	0.	3.	40.	88.4

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Annual Analysis for 1982 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	9	12.7	11.689	21.	1.5	56.901	7.543	1.5	3.	18.6	21.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-09/24/87	10	131.	276.	756.	74.	73349.111	270.83	74.6	84.5	494.75	755.3
00065	STAGE, STREAM (FEET)	06/06/74-09/24/87	10	1.125	1.413	2.48	0.87	0.397	0.63	0.873	0.9	1.99	2.479
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/16/77-12/08/82	6	22.	37.033	105.	9.2	1310.567	36.202	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/70-12/01/87	11	465.	567.545	850.	280.	37011.273	192.383	302.	410.	725.	840.

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Annual Analysis for 1982 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	10	11.1	11.47	15.3	8.7	5.936	2.436	8.71	8.8	14.05	15.19
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	3	4.8	4.513	4.97	3.77	0.422	0.649	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	3	4.8	4.184	4.97	3.77	0.584	0.764	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	3	15.849	65.463	169.824	10.715	8175.086	90.416	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	11	4.4	4.618	6.6	3.5	0.888	0.942	3.54	3.9	5.2	6.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	11	4.4	4.081	6.6	3.5	1.205	1.098	3.54	3.9	5.2	6.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	11	39.811	83.011	316.228	0.251	10175.043	100.871	0.703	6.31	125.893	292.887
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	11	0.5	2.227	11.	0.	11.568	3.401	0.	0.	4.	9.8
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/07/73-12/01/87	11	420.	441.636	704.	158.	32943.855	181.504	172.8	274.	626.	697.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	8	31.	37.75	94.	18.	606.214	24.621	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/72-01/07/88	11	0.38	0.411	0.68	0.23	0.019	0.139	0.236	0.3	0.53	0.656
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	11	0.008	0.006	0.012	0.001	0.	0.004	0.001	0.002	0.008	0.012
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	11	0.77	0.86	1.31	0.56	0.087	0.295	0.564	0.596	1.2	1.31
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/72-01/07/88	11	0.06	0.067	0.17	0.03	0.002	0.041	0.032	0.04	0.08	0.158
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	11/23/82-01/07/88	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/17/66-01/07/88	11	0.005	0.02	0.165	0.002	0.002	0.048	0.002	0.003	0.011	0.134
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	11	220.	250.545	426.	101.	10229.873	101.143	110.4	168.	352.	411.6
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	11	66.	60.755	87.	29.7	511.487	22.616	30.68	39.4	83.8	86.9
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	11	21.	19.964	33.	8.6	66.737	8.169	9.06	11.9	27.6	32.02
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	11	12.	12.182	24.	8.	19.764	4.446	8.	10.	13.	22.2
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	11	260.	252.364	409.	85.	12117.855	110.081	95.	145.	365.	401.6
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	11	6740.	7321.818	13300.	4020.	7748076.364	2783.537	4086.	5290.	8640.	12720.
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	10	3710.	3604.	4900.	2270.	869537.778	932.49	2308.	2740.	4502.5	4897.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	16 ##	50.	58.906	200.	10.	2571.641	50.711	11.75	14.375	100.	130.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	16 ##	1.699	1.612	2.301	1.	0.162	0.402	1.068	1.148	2.	2.09
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			40.888								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/18/76-01/07/88	11	1.	15.364	123.	0.	1323.605	36.381	0.	0.	15.	102.6
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	11	32.	35.182	70.	0.	478.164	21.867	1.2	21.	54.	67.2
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/04/82-12/01/87	5	22.	23.54	35.	13.7	63.758	7.985	**	**	**	**

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Annual Analysis for 1983 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	12	12.45	12.325	24.5	0.	81.228	9.013	0.27	4.25	19.75	24.35
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-09/24/87	12	152.	310.917	1060.	74.	103382.083	321.531	75.2	81.	488.	974.2
00065	STAGE, STREAM (FEET)	06/06/74-09/24/87	12	1.155	1.467	2.91	0.83	0.494	0.703	0.836	0.865	1.98	2.769
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/70-12/01/87	11	640.	600.091	1030.	265.	85024.091	291.589	265.	271.	900.	1004.
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	12	10.9	11.125	15.1	7.8	5.966	2.442	7.86	8.8	13.	14.8
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	12	5.07	4.871	6.51	3.32	1.248	1.117	3.377	3.583	5.933	6.36
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	12	5.054	3.957	6.51	3.32	2.159	1.469	3.377	3.583	5.932	6.36
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	12	8.838	110.425	478.63	0.309	27449.128	165.678	0.509	1.232	263.611	427.75
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	12	4.95	4.725	5.7	3.6	0.702	0.838	3.63	3.7	5.55	5.7
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	12	4.947	4.119	5.7	3.6	1.103	1.05	3.63	3.7	5.55	5.7
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	12	11.295	76.066	251.189	1.995	10352.915	101.749	1.995	2.879	199.526	235.69
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	12	3.	2.833	6.	0.	5.606	2.368	0.	0.	5.	5.7
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/07/73-12/01/87	12	443.	450.25	753.	152.	47710.568	218.427	171.2	238.5	693.	751.5
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/72-01/07/88	12	0.42	0.433	0.87	0.12	0.061	0.248	0.129	0.223	0.678	0.837
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	12	0.005	0.006	0.01	0.001	0.	0.003	0.001	0.004	0.008	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	12	0.87	0.839	1.17	0.54	0.052	0.228	0.543	0.587	1.028	1.158
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/72-01/07/88	11	0.05	0.105	0.62	0.03	0.03	0.172	0.03	0.03	0.09	0.514
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	11/23/82-01/07/88	8	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/17/66-01/07/88	12	0.002	0.003	0.005	0.001	0.	0.002	0.001	0.001	0.005	0.005
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	12	262.5	241.917	420.	98.	10984.629	104.808	102.8	136.	329.5	399.6
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	12	61.65	61.375	94.5	25.	627.626	25.052	26.32	38.5	83.525	94.32
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	12	20.35	18.783	34.6	2.	106.029	10.297	3.74	9.575	28.15	33.22

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Annual Analysis for 1983 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	12	9.	9.167	18.	5.	13.97	3.738	5.	6.25	10.	16.8
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	12	280.5	265.917	500.	85.	18866.992	137.357	93.1	128.	396.25	471.5
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	12	5830.	8294.167	16600.	2680.	22766953.788	4771.473	2848.	5175.	11475.	16396.
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	10	3890.	3819.	6010.	1160.	2362032.222	1536.89	1294.	2650.	5170.	5935.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	23 ##	50.	80.435	400.	12.5	11133.893	105.517	12.5	12.5	75.	260.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	23 ##	1.699	1.61	2.602	1.097	0.251	0.501	1.097	1.097	1.875	2.407
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			40.698								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/18/76-01/07/88	12	1.	1.917	13.	0.	13.356	3.655	0.	0.	2.5	10.
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	12	54.	61.917	148.	10.	2185.902	46.754	10.6	20.5	109.	140.2
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/04/82-12/01/87	10	16.65	23.37	62.	6.6	310.222	17.613	6.88	11.65	33.	60.3

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Annual Analysis for 1984 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	11	11.	11.682	22.5	3.	36.564	6.047	3.4	7.	17.	21.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-09/24/87	12	305.	286.667	600.	58.	32221.333	179.503	64.6	105.5	425.	570.
00065	STAGE, STREAM (FEET)	06/06/74-09/24/87	10	1.215	1.442	3.62	0.65	0.803	0.896	0.66	0.788	1.8	3.438
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/70-12/01/87	12	452.5	519.	830.	305.	29722.	172.401	321.5	381.25	633.75	818.9
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	9	9.3	9.467	13.	6.6	3.728	1.931	6.6	7.85	10.7	13.
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	11	4.7	4.559	5.05	3.4	0.341	0.584	3.41	4.55	4.95	5.04
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	11	4.7	4.086	5.05	3.4	0.587	0.766	3.41	4.55	4.95	5.04
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	11	19.953	82.094	398.107	8.913	21312.553	145.988	9.13	11.22	28.184	389.448
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	12	4.9	4.858	6.4	3.8	0.441	0.664	3.8	4.725	5.075	6.04
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	12	4.9	4.445	6.4	3.8	0.628	0.792	3.8	4.725	5.075	6.04
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	12	12.589	35.921	158.489	0.398	3303.02	57.472	2.172	8.457	18.927	158.489
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	12	2.	2.417	8.	0.	4.447	2.109	0.	1.25	3.	6.8
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/07/73-12/01/87	12	404.	397.5	666.	141.	29496.273	171.745	151.2	246.	552.	654.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/72-01/07/88	12	0.28	0.331	0.58	0.15	0.022	0.147	0.159	0.193	0.458	0.559
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	12	0.006	0.01	0.03	0.002	0.	0.009	0.003	0.004	0.012	0.028
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	12	0.925	1.002	1.59	0.65	0.091	0.302	0.656	0.738	1.255	1.533
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/72-01/07/88	12	0.055	0.292	2.86	0.005	0.655	0.809	0.013	0.035	0.08	2.047
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	11/23/82-01/07/88	12 ##	0.5	2.209	14.	0.	15.838	3.98	0.	0.001	3.	11.
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/17/66-01/07/88	12	0.003	0.004	0.016	0.001	0.	0.005	0.001	0.001	0.005	0.014
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	12	198.	224.833	376.	117.	7603.788	87.2	122.1	158.75	279.	373.6
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	12	48.85	52.075	103.8	5.3	1077.582	32.827	8.96	27.55	85.675	103.17
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	12	16.1	17.95	34.1	8.8	68.43	8.272	9.1	11.2	24.825	32.99
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	12	10.	11.917	40.	8.	79.174	8.898	8.	8.25	10.	31.3
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	12	208.	234.583	430.	70.	11961.902	109.37	84.7	166.5	322.5	421.
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	12	7215.	8597.5	18810.	4900.	16368456.818	4045.795	5014.	5822.5	9640.	17349.
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	12	3500.	3962.5	8000.	1460.	3344802.273	1828.88	1718.	2800.	5057.5	7520.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	19 ##	50.	396.711	6000.	12.5	1850795.87	1360.44	25.	50.	100.	400.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	19 ##	1.699	1.865	3.778	1.097	0.34	0.583	1.398	1.699	2.	2.602
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			73.316								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/18/76-01/07/88	12	0.	1.083	5.	0.	4.083	2.021	0.	0.	2.25	5.
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	12	67.	72.333	152.	20.	1818.788	42.647	21.8	38.5	96.5	149.6
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/04/82-12/01/87	12	27.	136.267	1330.	7.8	141703.181	376.435	8.04	15.95	34.25	955.9

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

Annual Analysis for 1985 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	12	12.5	12.25	24.	3.5	50.795	7.127	3.8	5.5	18.	23.25
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-09/24/87	12	171.	376.25	1500.	37.	210800.932	459.131	40.6	66.5	470.25	1368.
00065	STAGE, STREAM (FEET)	06/06/74-09/24/87	12	1.36	1.482	2.88	0.65	0.544	0.738	0.659	0.838	1.863	2.826
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/70-12/01/87	12	492.5	602.333	1010.	260.	76695.333	276.939	264.5	375.	883.25	996.5
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	10	10.35	9.72	12.	6.5	4.055	2.014	6.58	7.9	11.5	11.98
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	10	4.15	4.525	5.75	4.	0.429	0.655	4.	4.	5.063	5.7
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	10	4.125	4.238	5.75	4.	0.521	0.722	4.	4.	5.063	5.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	10	75.059	57.874	100.	1.778	2142.055	46.282	2.163	8.906	100.	100.
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	12	4.45	4.583	6.1	3.6	0.865	0.93	3.6	3.625	5.475	6.01
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	12	4.382	4.014	6.1	3.6	1.219	1.104	3.6	3.625	5.475	6.01
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	12	41.524	96.793	251.189	0.794	11939.221	109.267	1.031	3.367	238.273	251.189
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	6	3.5	3.833	8.	2.	4.967	2.229	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/07/73-12/01/87	12	440.	485.5	842.	196.	47312.091	217.513	203.8	296.	690.5	798.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/72-01/07/88	12	0.315	0.35	0.62	0.1	0.032	0.18	0.1	0.21	0.528	0.596
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	12	0.006	0.007	0.018	0.002	0.	0.005	0.002	0.004	0.01	0.017
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	12	0.795	0.88	1.47	0.44	0.117	0.342	0.452	0.555	1.21	1.407
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/72-01/07/88	12	0.06	0.063	0.12	0.03	0.001	0.026	0.03	0.05	0.07	0.114
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	11/23/82-01/07/88	12 ##	0.75	2.	7.	0.5	4.773	2.185	0.5	0.5	3.5	6.4
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/17/66-01/07/88	12	0.001	0.003	0.009	0.001	0.	0.003	0.001	0.001	0.005	0.008
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	12	215.5	265.167	506.	91.	19078.333	138.124	95.8	158.5	398.	482.3
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	12	34.85	38.125	90.9	5.3	709.244	26.632	6.98	18.4	49.275	88.68
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	12	15.05	17.267	34.4	3.8	95.888	9.792	4.79	8.925	26.975	32.93
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	12	10.	13.083	40.	7.	79.356	8.908	7.6	9.	12.5	33.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	12	225.	270.167	440.	91.	17564.697	132.532	95.8	165.25	415.25	436.4
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	12	6000.	6760.25	15400.	2990.	12491658.932	3534.354	3185.	4050.	8777.25	13849.
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	12	4345.	3877.5	5170.	1630.	1339784.091	1157.49	1942.	2985.	4885.	5155.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	18 ##	50.	70.833	400.	10.	8864.706	94.153	10.	12.5	62.5	220.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	18 ##	1.699	1.611	2.602	1.	0.21	0.458	1.	1.097	1.774	2.331
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			40.789								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/18/76-01/07/88	12	0.	0.25	3.	0.	0.75	0.866	0.	0.	0.	2.1
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	12	37.	44.833	80.	20.	416.333	20.404	21.8	30.	63.5	79.4
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/04/82-12/01/87	12	39.5	40.517	70.	10.1	455.874	21.351	12.47	20.325	63.25	69.4

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Annual Analysis for 1986 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	12	14.5	13.583	22.	4.	48.583	6.97	4.	5.5	20.625	21.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-09/24/87	12	132.	343.5	1650.	60.	229922.091	479.502	60.9	80.	332.5	1438.2
00065	STAGE, STREAM (FEET)	06/06/74-09/24/87	12	0.925	1.464	3.7	0.7	1.171	1.082	0.706	0.742	2.155	3.604
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/70-12/01/87	13	688.	732.923	1350.	240.	117747.91	343.144	254.	495.	953.	1338.
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	13	8.2	9.085	12.6	6.	5.058	2.249	6.32	7.2	11.25	12.56
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	13	4.5	4.762	7.	2.	1.589	1.261	2.8	4.	5.45	6.8
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	13	4.5	3.096	7.	2.	4.595	2.144	2.8	4.	5.45	6.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	13	31.623	802.042	10000.	0.1	7639231.494	2763.916	0.186	5.629	100.	6040.
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	13	4.3	4.531	6.8	3.4	1.044	1.022	3.44	3.75	5.25	6.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	13	4.3	3.964	6.8	3.4	1.392	1.18	3.44	3.75	5.25	6.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	13	50.119	108.719	398.107	0.158	16454.316	128.274	0.729	8.922	179.008	365.355
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	5	10.	7.2	12.	2.	23.2	4.817	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/07/73-12/01/87	13	550.	580.615	1146.	150.	89062.923	298.434	162.	378.	723.	1121.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/72-01/07/88	13	0.39	0.473	1.	0.14	0.071	0.266	0.168	0.255	0.65	0.96
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	13	0.006	0.007	0.014	0.002	0.	0.004	0.003	0.004	0.009	0.013
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	13	0.74	0.796	1.69	0.34	0.123	0.351	0.348	0.535	0.935	1.442
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/72-01/07/88	13	0.05	0.16	1.2	0.03	0.1	0.316	0.034	0.045	0.12	0.796
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	11/23/82-01/07/88	11	1.	2.591	8.	0.5	10.741	3.277	0.5	0.5	7.	8.
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/17/66-01/07/88	12	0.001	0.004	0.013	0.001	0.	0.004	0.001	0.001	0.008	0.012

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Annual Analysis for 1986 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	13	269.	307.077	606.	79.	28604.077	169.127	87.	177.	426.5	596.8
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	13	73.7	68.938	152.	4.7	1543.013	39.281	11.42	38.55	89.	134.76
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	13	22.5	23.046	43.9	7.	120.929	10.997	7.24	15.45	28.8	42.46
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	13	11.	13.308	36.	9.	50.897	7.134	9.4	10.	13.	28.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	13	309.	337.154	708.	69.	37104.308	192.625	77.	221.	417.	699.2
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	13	6600.	10525.385	41800.	2720.	105211410.256	10257.261	3464.	4805.	13450.	31680.
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	10	5360.	5109.	6300.	2860.	960210.	979.903	3007.	4660.	5677.5	6279.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	22 ##	50.	186.818	1400.	10.	118641.775	344.444	19.	50.	125.	820.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	22 ##	1.699	1.893	3.146	1.	0.274	0.524	1.181	1.699	2.075	2.881
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			78.122								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/18/76-01/07/88	7	0.	4.	25.	0.	87.	9.327	**	**	**	**
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	13	48.	49.385	104.	0.	871.59	29.523	5.6	29.	68.	97.6
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/04/82-12/01/87	13	50.	67.3	200.	3.7	5038.705	70.984	6.02	10.35	120.	200.

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Annual Analysis for 1987 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	11	10.5	11.682	27.5	1.	72.164	8.495	1.4	4.	19.	26.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-09/24/87	8	364.5	373.5	695.	84.	73358.571	270.848	**	**	**	**
00065	STAGE, STREAM (FEET)	06/06/74-09/24/87	8	1.575	1.529	2.15	0.85	0.32	0.566	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/70-12/01/87	12	495.5	490.917	720.	325.	19579.902	139.928	325.	340.75	587.5	706.5
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	10	10.45	10.37	13.5	7.3	3.291	1.814	7.41	9.	11.6	13.37
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	12	5.725	5.908	7.1	4.6	0.548	0.74	4.78	5.325	6.5	6.995
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	12	5.724	5.403	7.1	4.6	0.827	0.909	4.78	5.325	6.5	6.995
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	12	1.887	3.957	25.119	0.079	48.674	6.977	0.109	0.316	4.754	19.476
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	12	5.15	5.167	6.1	4.3	0.382	0.618	4.33	4.525	5.725	6.07
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	12	5.147	4.825	6.1	4.3	0.51	0.714	4.33	4.525	5.725	6.07
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	12	7.126	14.975	50.119	0.794	312.793	17.686	0.856	1.979	33.005	47.026
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	9	4.	4.222	10.	2.	7.444	2.728	2.	2.	6.	10.
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/07/73-12/01/87	12	383.	370.167	524.	234.	12125.424	110.116	235.2	264.5	484.5	518.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/72-01/07/88	12	0.315	0.276	0.43	0.13	0.01	0.099	0.136	0.175	0.34	0.418
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	12	0.006	0.006	0.008	0.002	0.	0.002	0.003	0.004	0.006	0.008
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	12	0.855	0.891	1.23	0.56	0.048	0.219	0.596	0.702	1.103	1.218
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/72-01/07/88	12	0.075	0.078	0.13	0.03	0.001	0.032	0.033	0.053	0.108	0.127
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	11/23/82-01/07/88	12 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/17/66-01/07/88	12 ##	0.001	0.001	0.001	0.001	0.	0.	0.001	0.001	0.001	0.001
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	12	191.	194.083	296.	125.	3559.902	59.665	125.3	133.75	228.25	292.7
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	12	49.5	48.283	73.	30.3	201.736	14.203	30.54	32.025	58.825	70.24
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	12	16.05	16.	24.3	9.2	27.509	5.245	9.41	10.55	19.425	24.09
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	12	13.5	13.	19.	7.	15.273	3.908	7.3	9.5	16.5	18.7
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	12	219.5	218.083	299.	133.	4258.629	65.258	134.5	157.25	285.	298.4
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	12	6650.	6791.667	13300.	2020.	7628015.152	2761.886	2674.	5362.5	8100.	11920.
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	1	2790.	2790.	2790.	2790.	0.	0.	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	22 ##	50.	146.591	1200.	10.	76422.348	276.446	10.	23.75	62.5	540.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	22 ##	1.699	1.754	3.079	1.	0.302	0.55	1.	1.374	1.774	2.725
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			56.797								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/18/76-01/07/88	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	12	34.	35.167	84.	6.	495.606	22.262	7.2	16.	52.	75.6
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/04/82-12/01/87	12	15.25	15.758	26.	2.4	61.486	7.841	2.64	12.25	24.25	25.7

** - 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

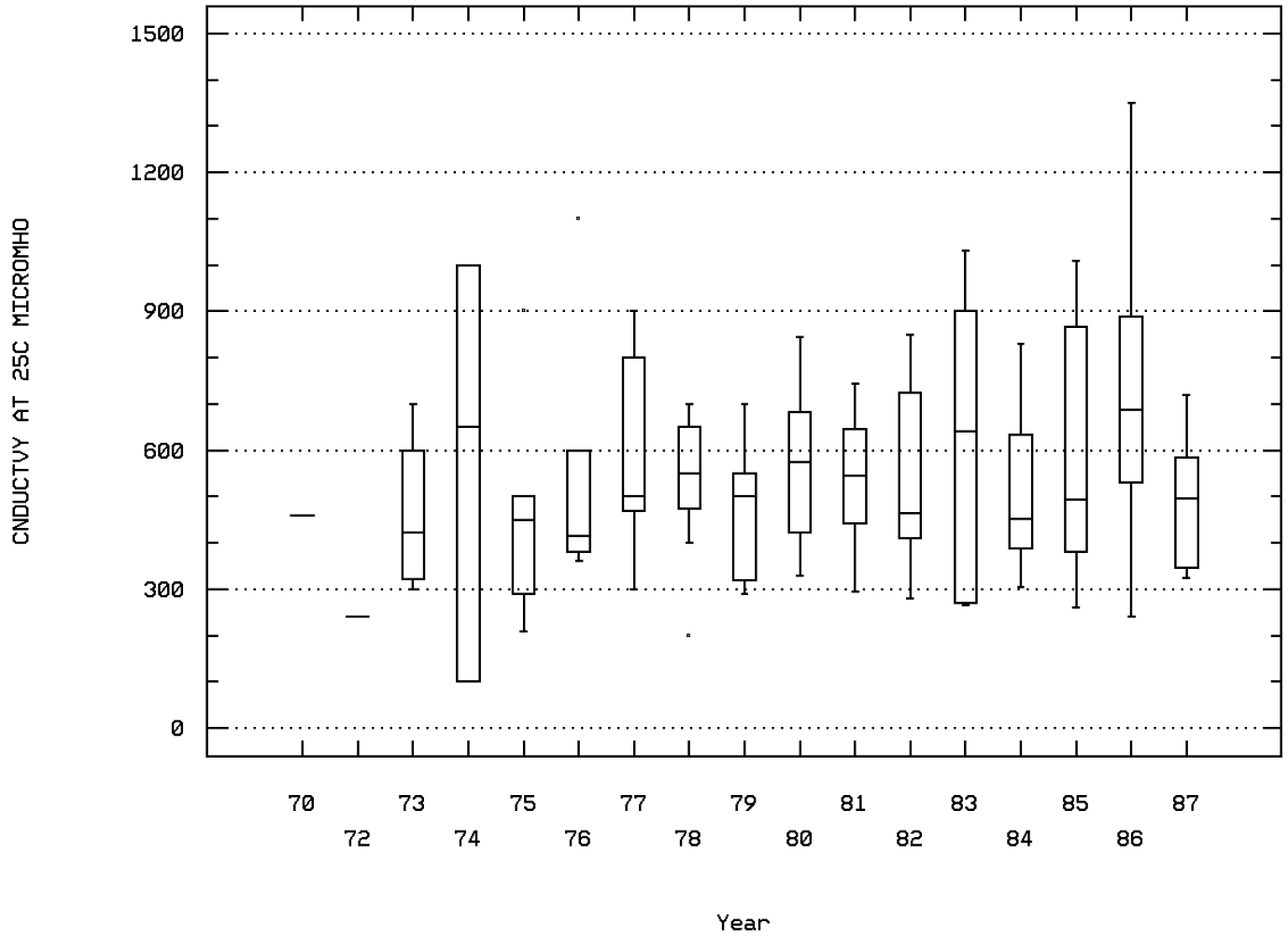
Annual Analysis for 1988 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	1	1.259	1.259	1.259	1.259	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/72-01/07/88	1	0.33	0.33	0.33	0.33	0.	0.	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	1	1.09	1.09	1.09	1.09	0.	0.	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/72-01/07/88	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	11/23/82-01/07/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/17/66-01/07/88	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	1	214.	214.	214.	214.	0.	0.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	1	235.	235.	235.	235.	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	1	13900.	13900.	13900.	13900.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	1	1800.	1800.	1800.	1800.	0.	0.	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	2	120.	120.	180.	60.	7200.	84.853	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	2	2.017	2.017	2.255	1.778	0.114	0.337	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			103.923								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/18/76-01/07/88	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

Station: ALP00334 Parameter Code: 00095

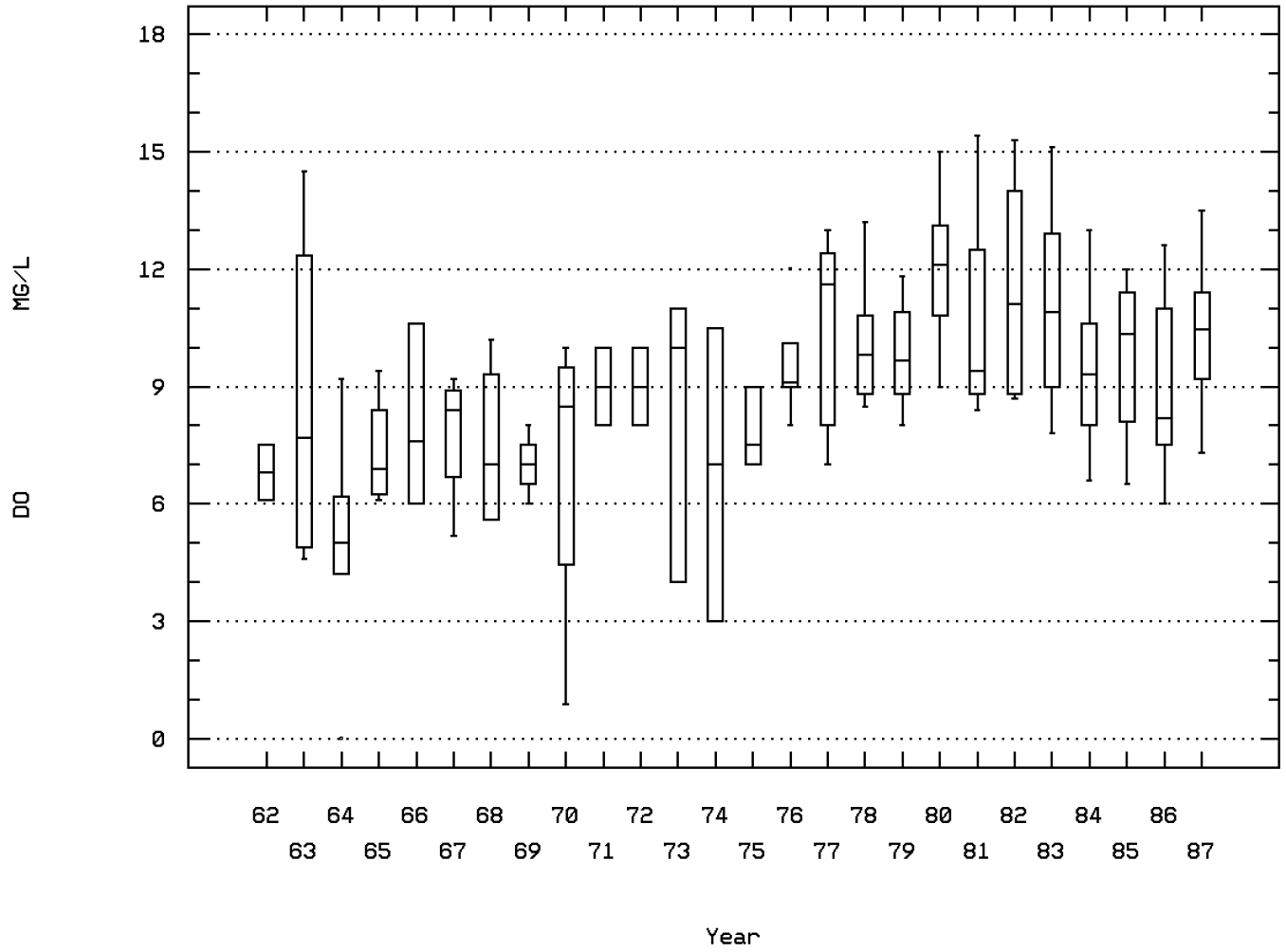
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00300

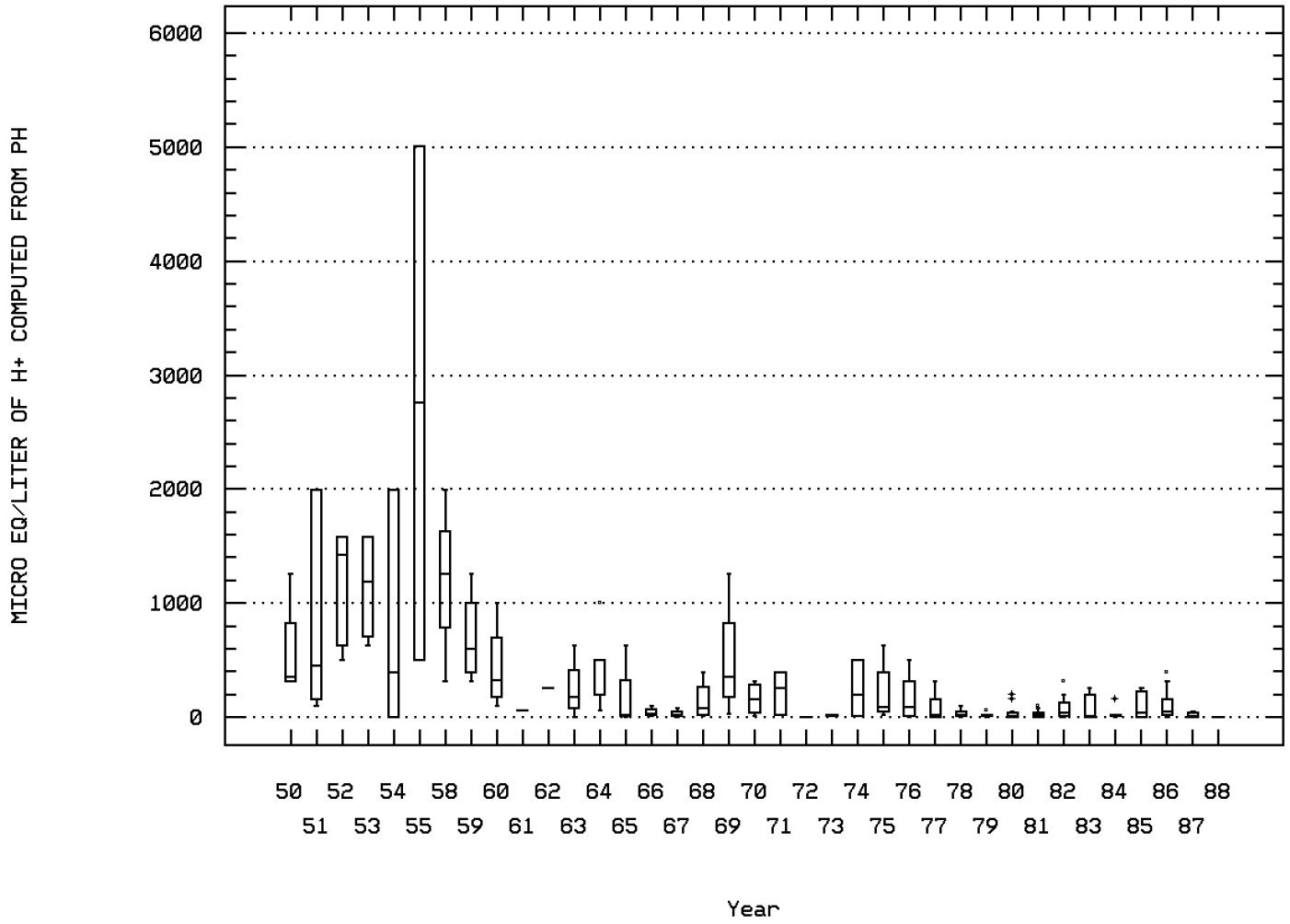
OXYGEN, DISSOLVED



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00403

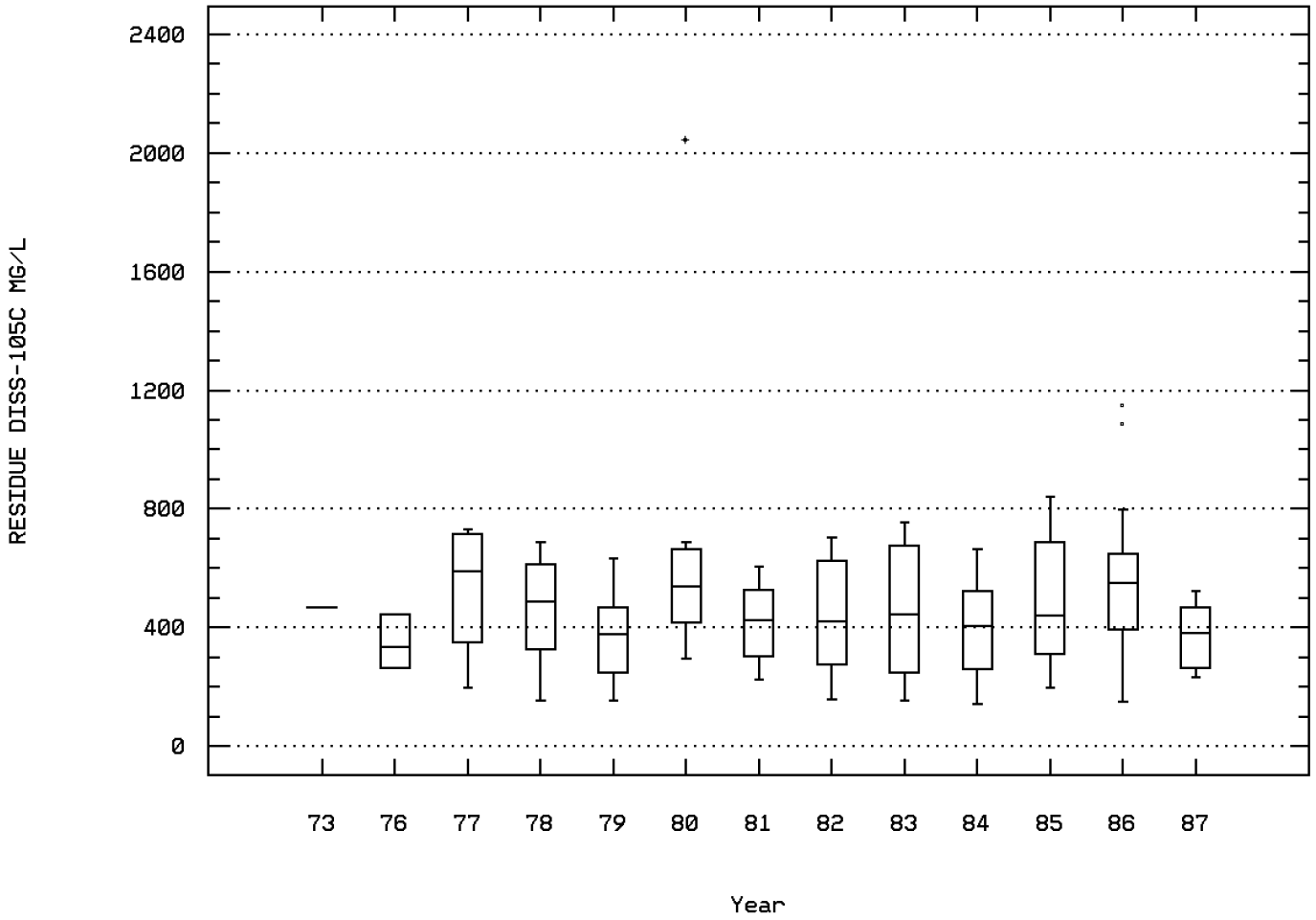
MICRO EQ/LITER OF H+ COMPUTED FROM PH



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALPO0334 Parameter Code: 00515

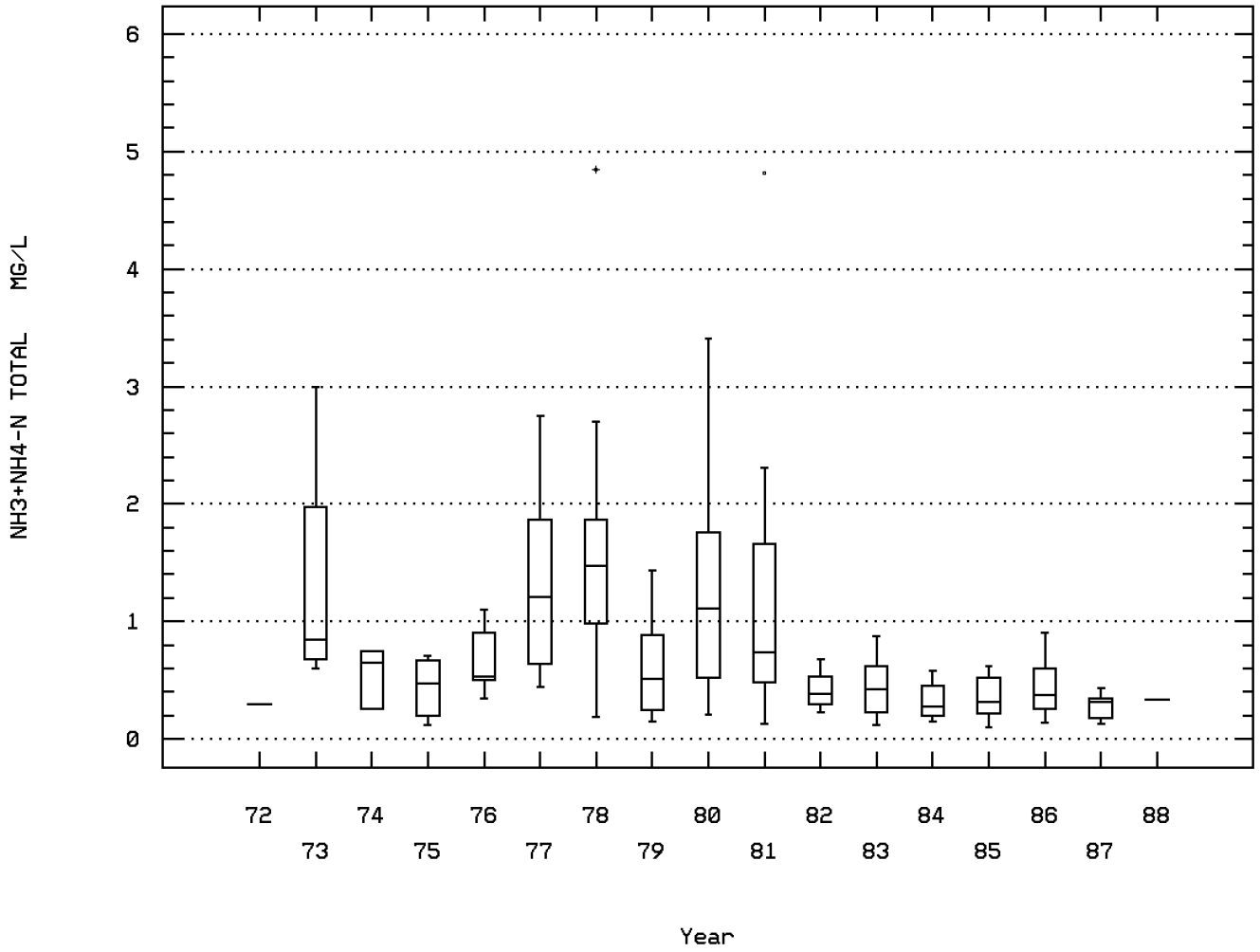
RESIDUE, TOTAL FILTRABLE (DRIED AT 105



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00610

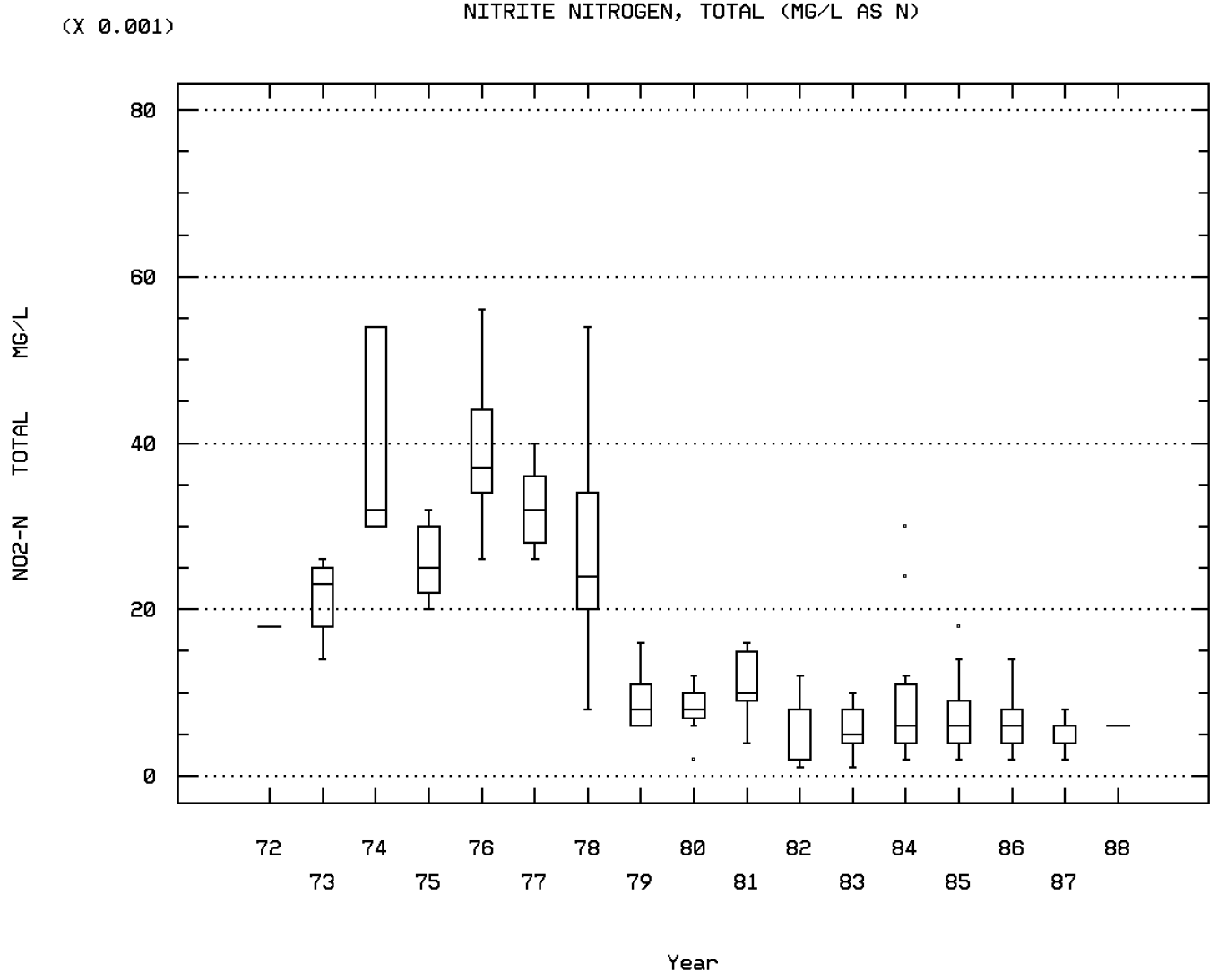
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00615

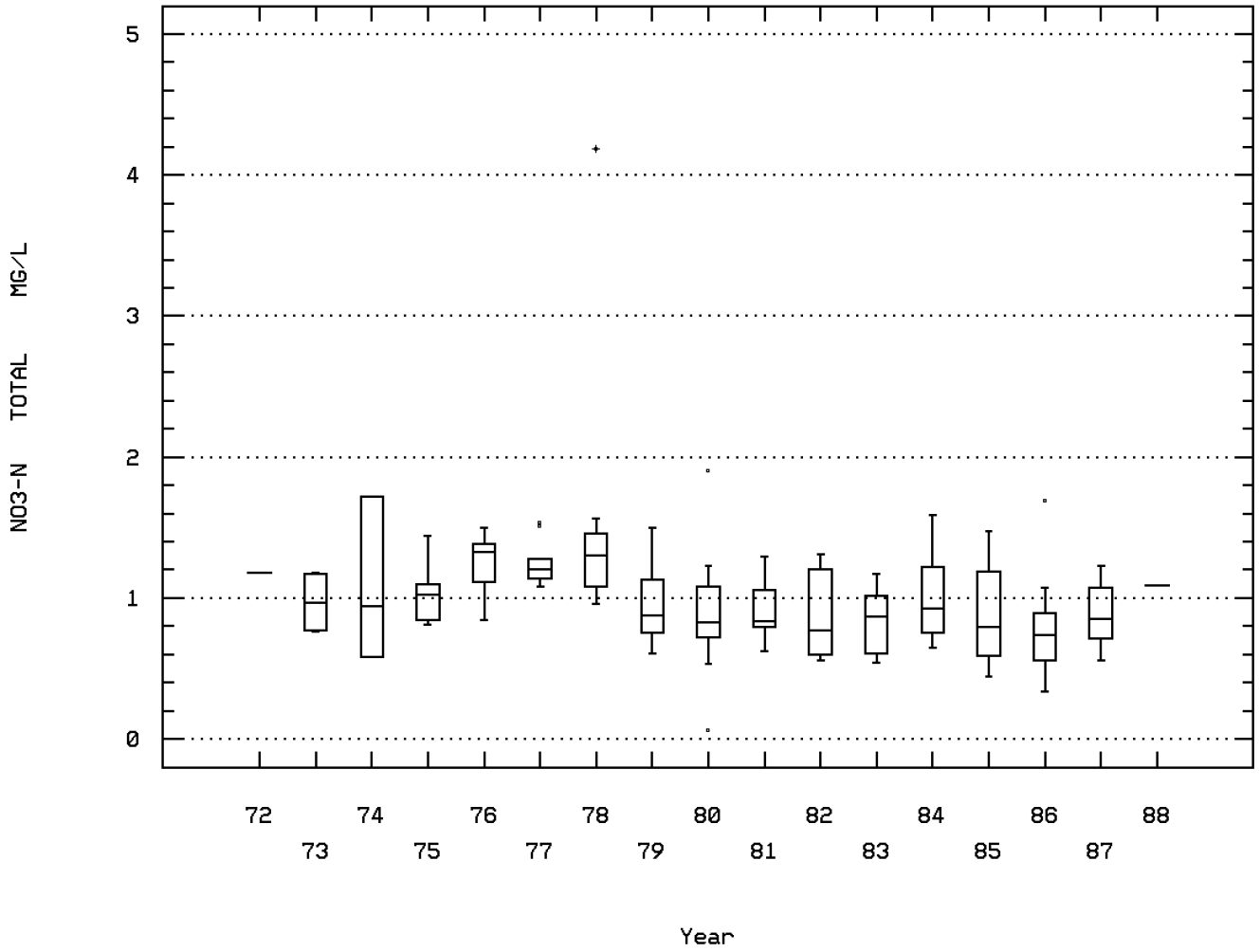
NITRITE NITROGEN, TOTAL (MG/L AS N)



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00620

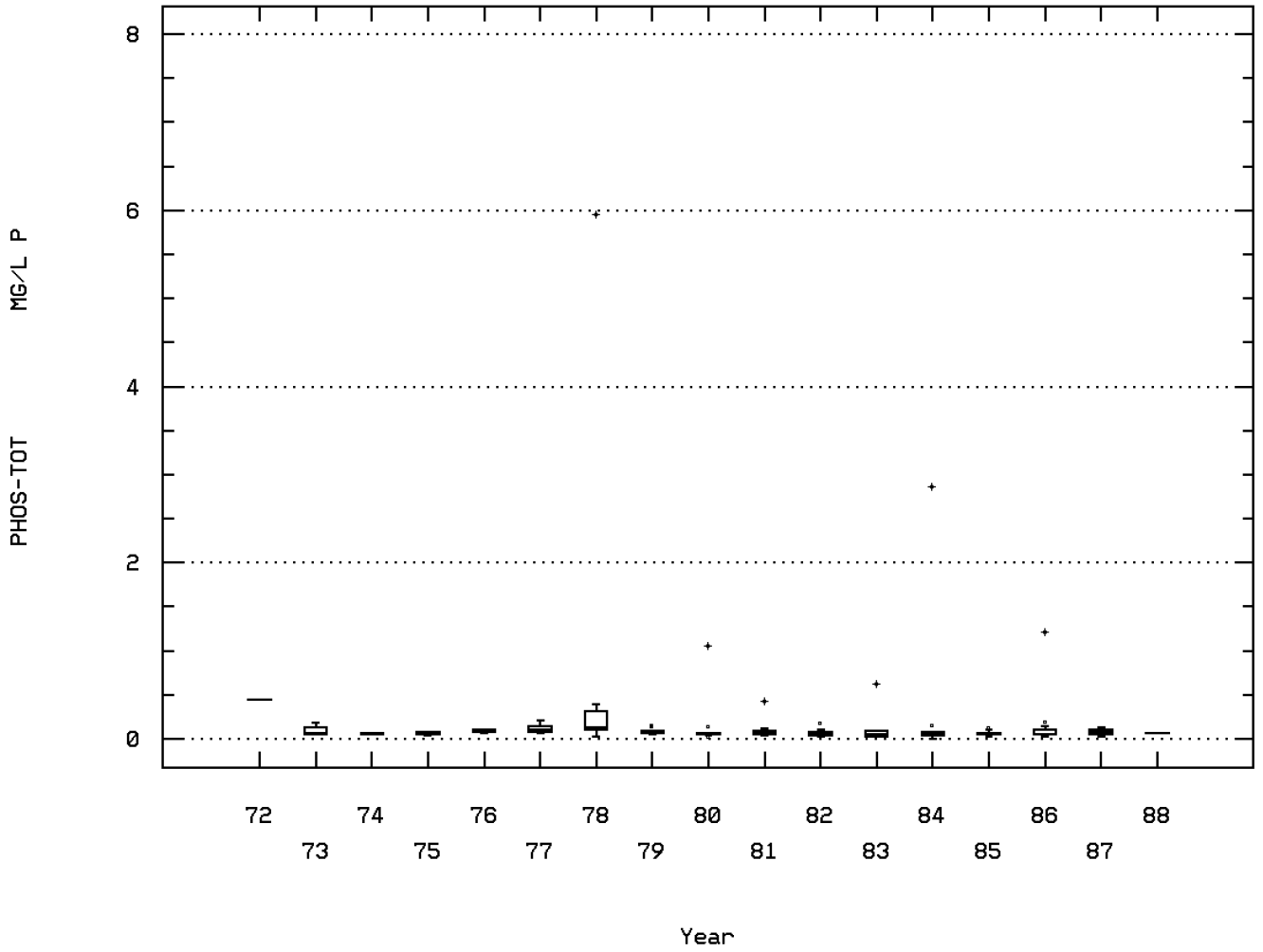
NITRATE NITROGEN, TOTAL (MG/L AS N)



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00665

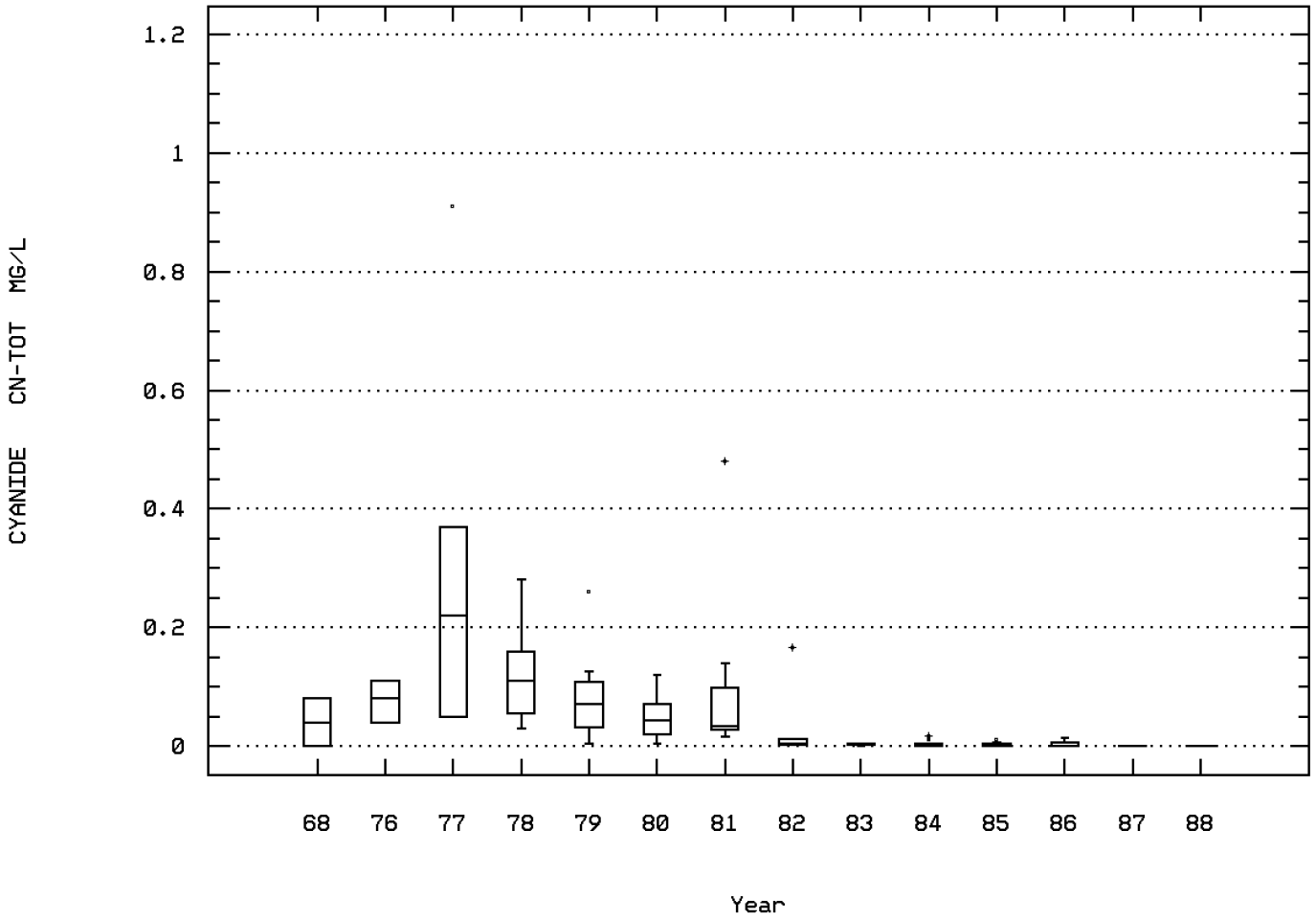
PHOSPHORUS, TOTAL (MG/L AS P)



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00720

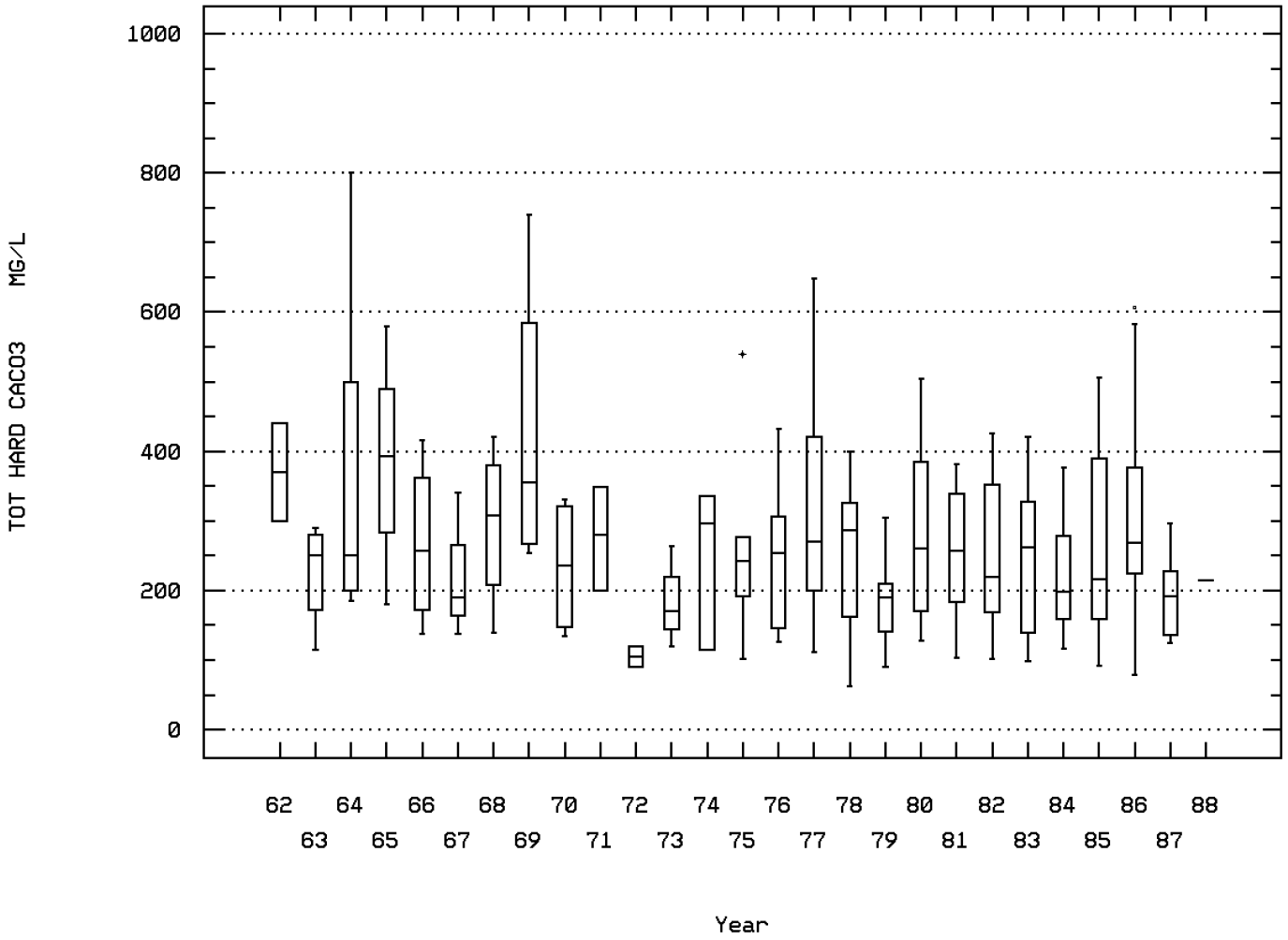
CYANIDE, TOTAL (MG/L AS CN)



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00900

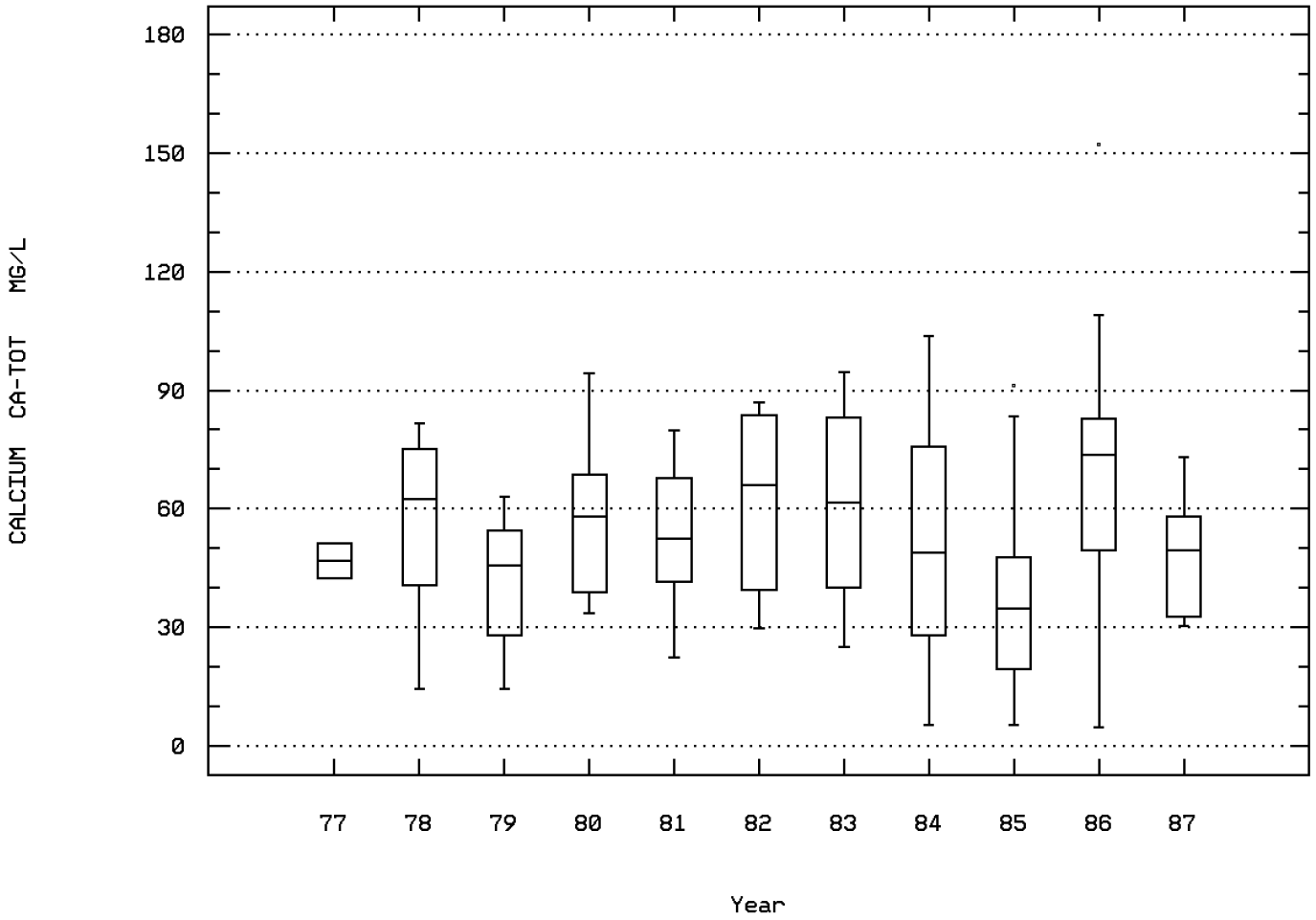
HARDNESS, TOTAL (MG/L AS CACO3)



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00916

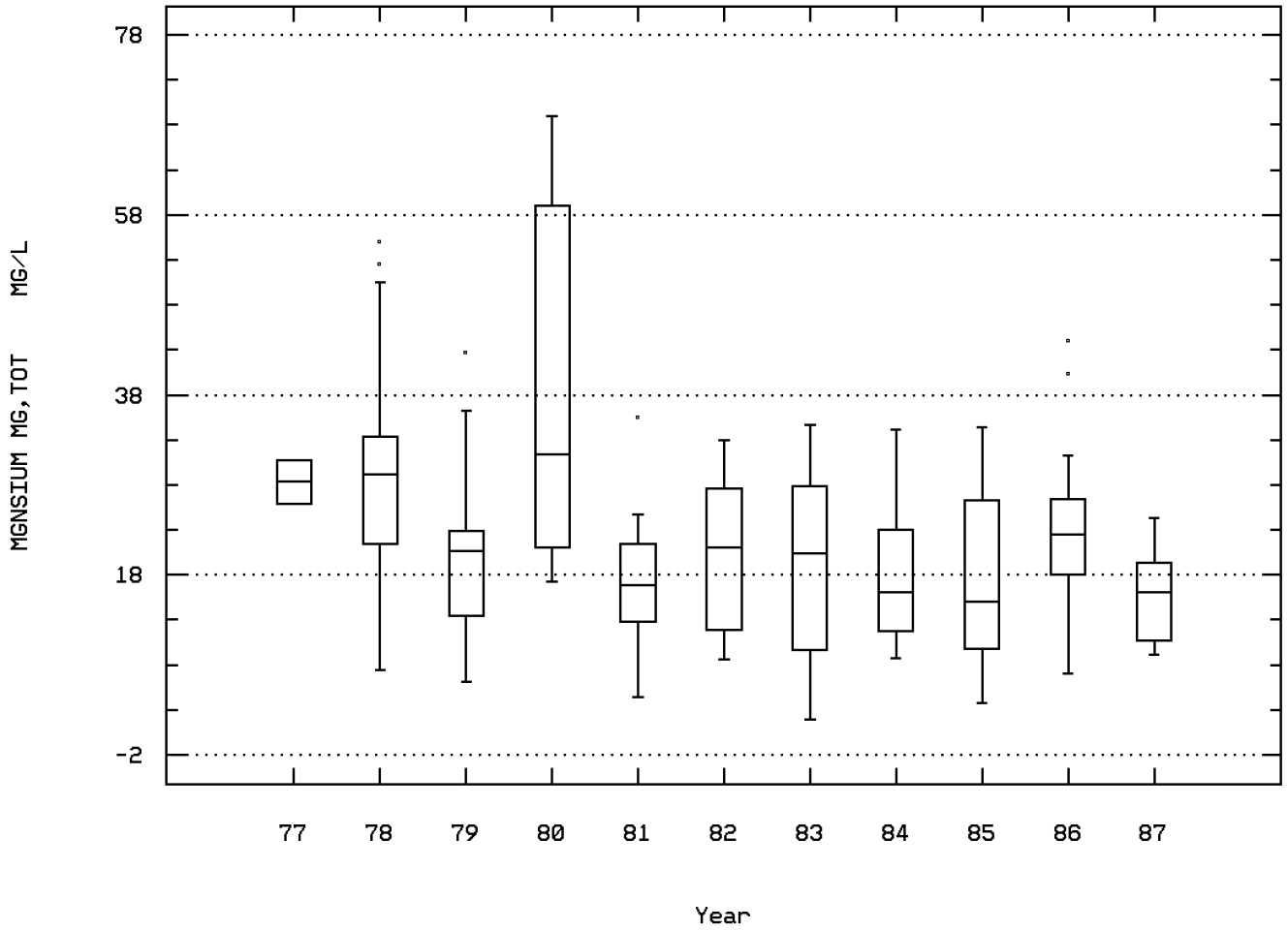
CALCIUM, TOTAL (MG/L AS CA)



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00927

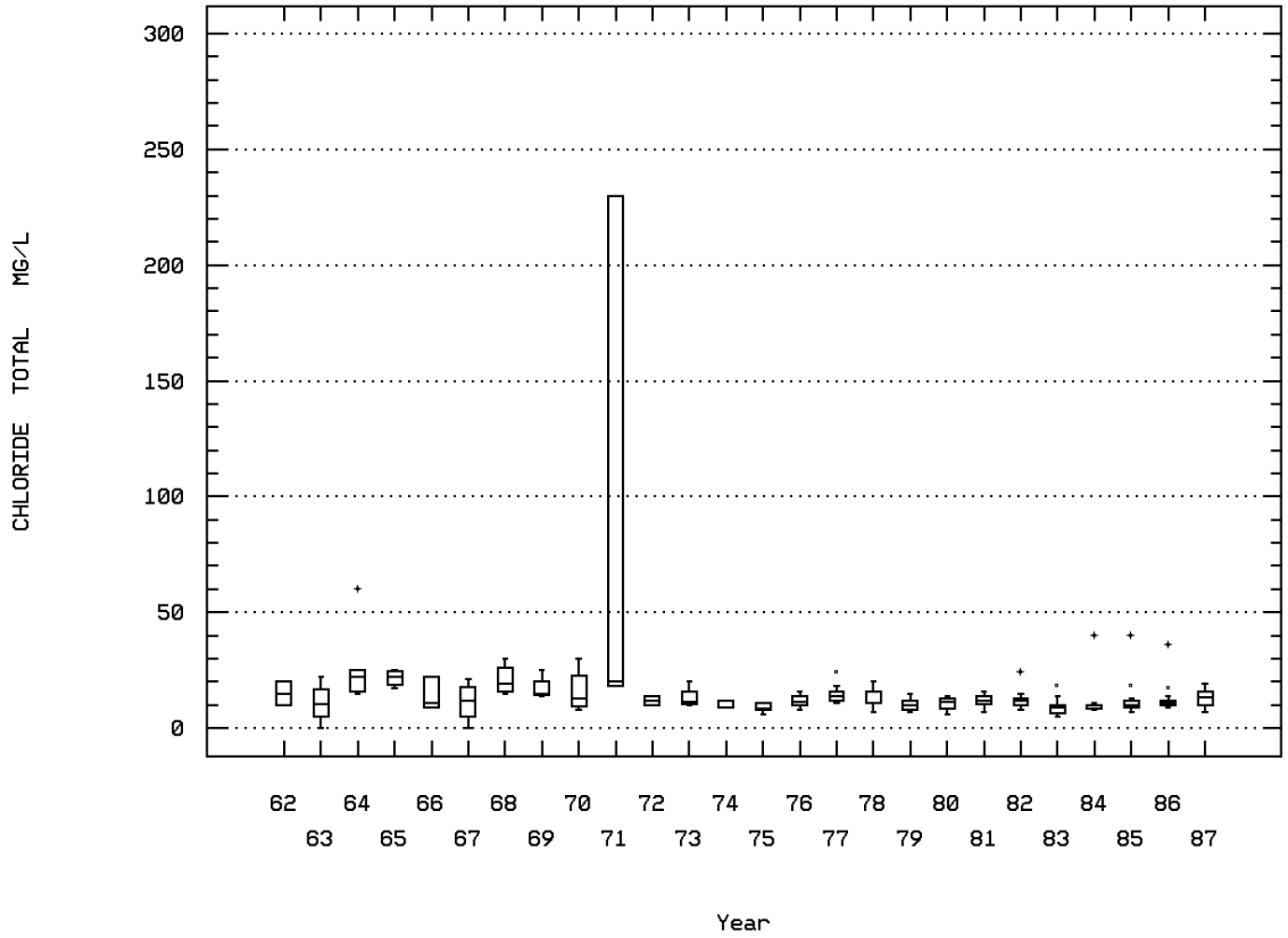
MAGNESIUM, TOTAL (MG/L AS MG)



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00940

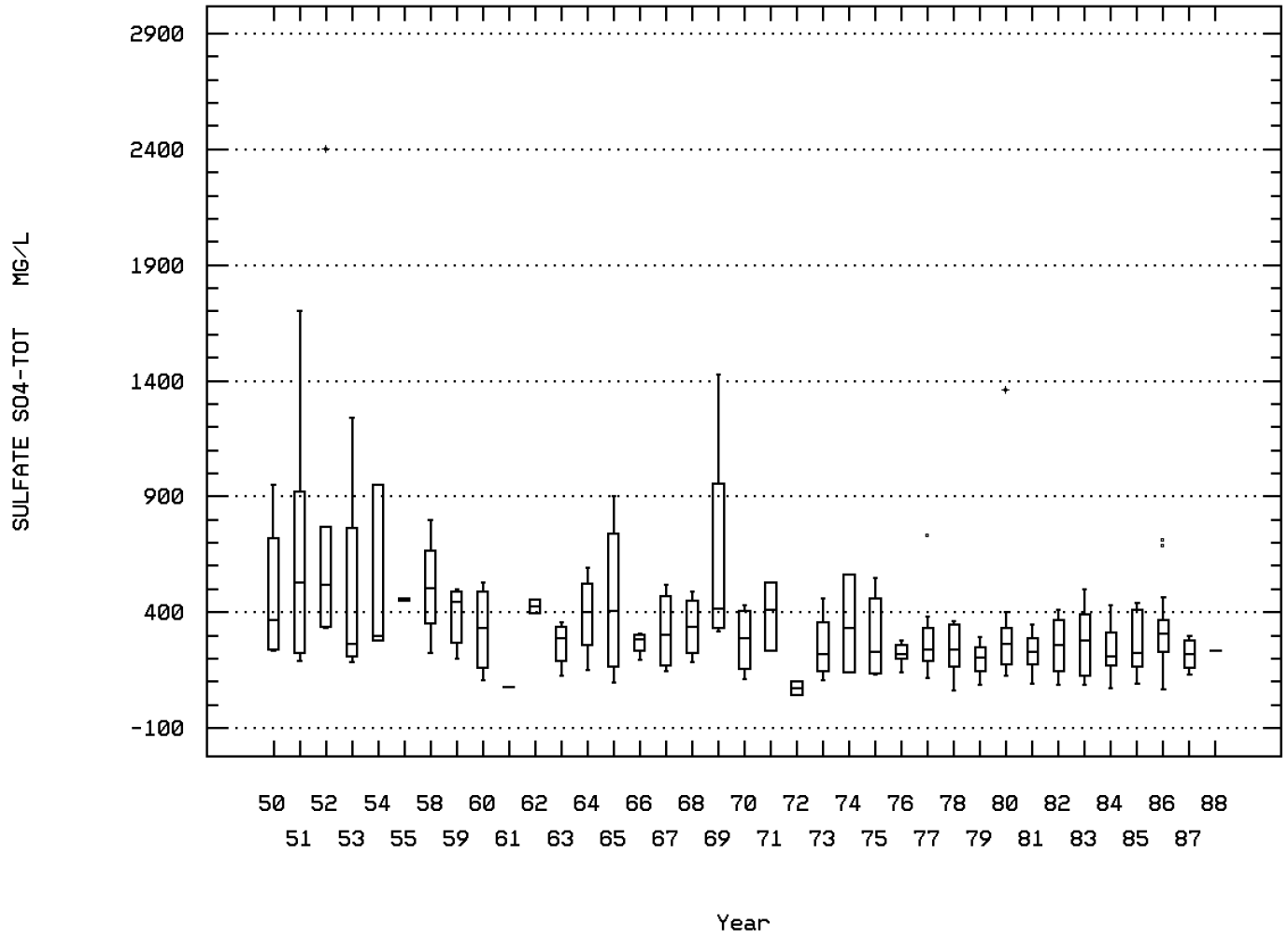
CHLORIDE,TOTAL IN WATER



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00945

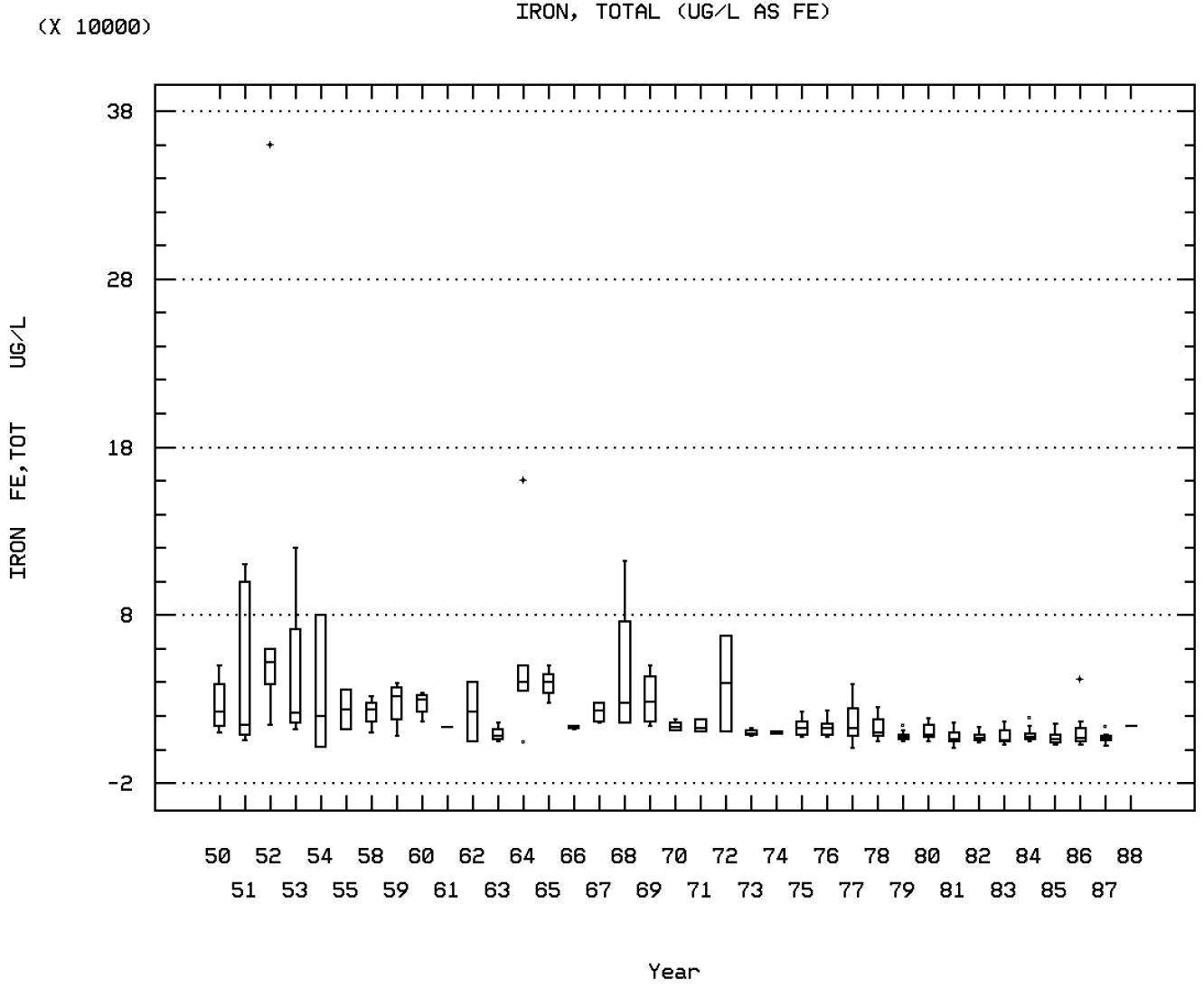
SULFATE, TOTAL (MG/L AS SO4)



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 01045

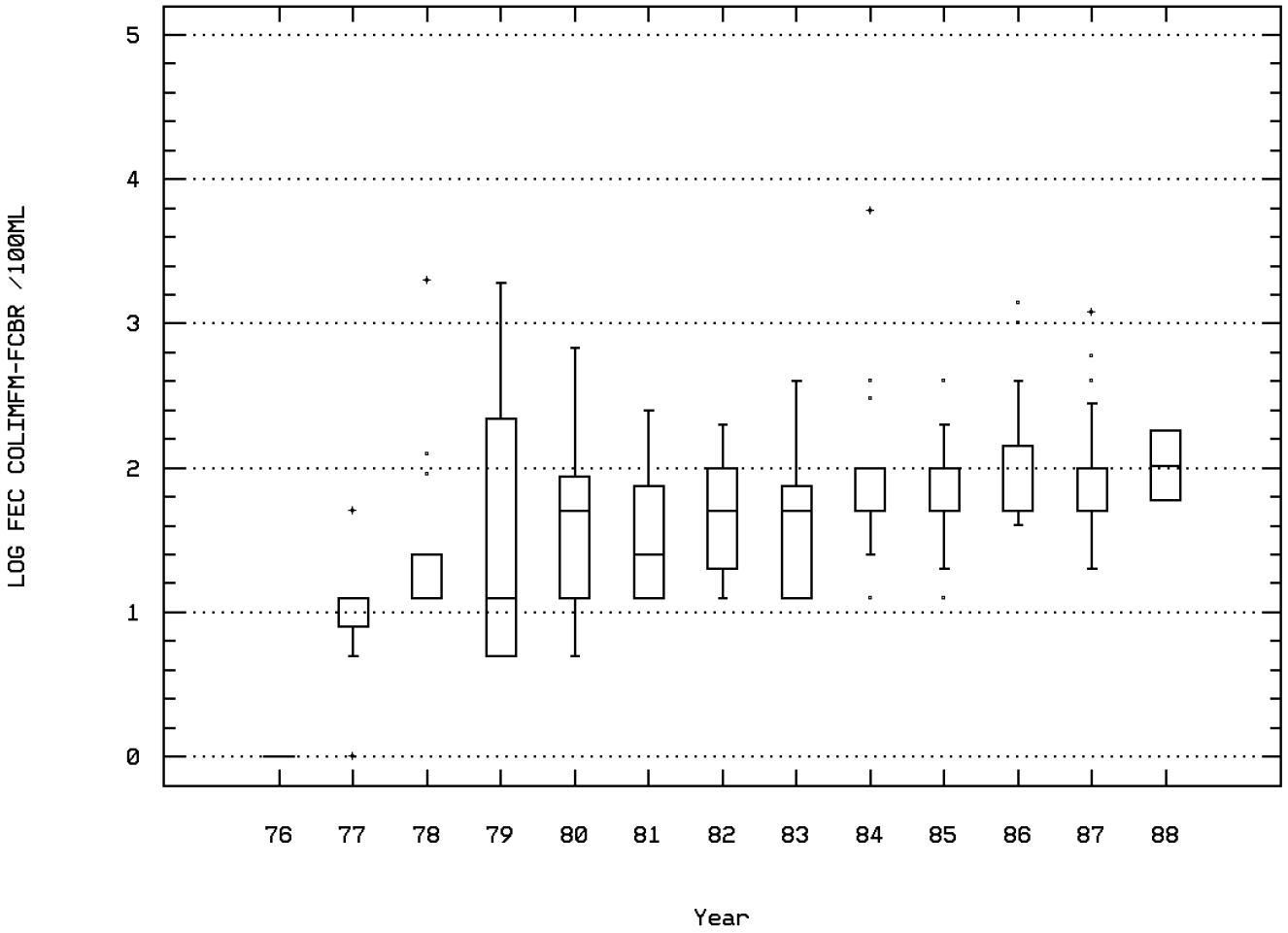
IRON, TOTAL (UG/L AS FE)



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 31616

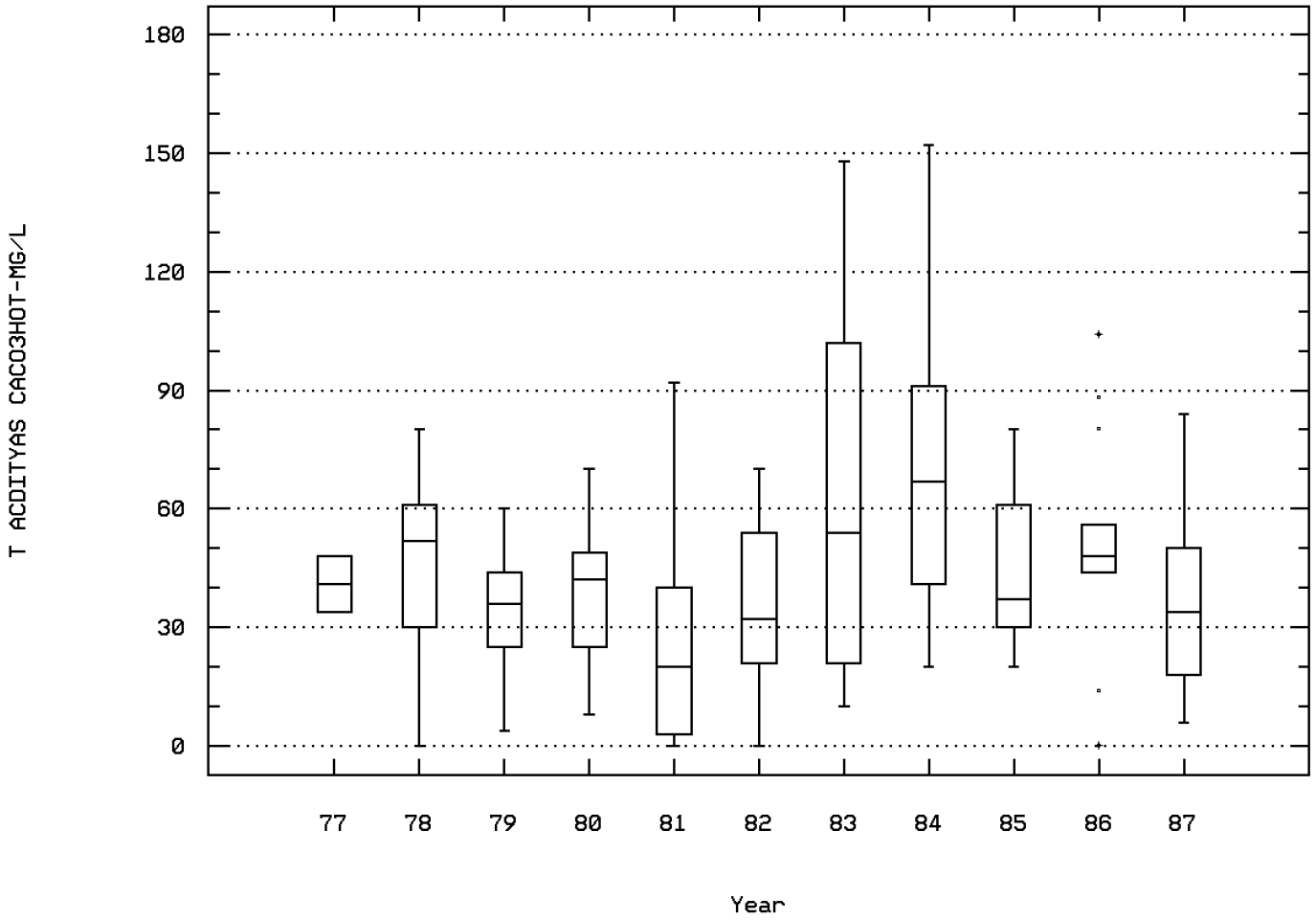
LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 70508

ACIDITY, TOTAL, HOT (MG/L AS CACO3)



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Seasonal Analysis for Season #1: 8/01 to 10/31 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	47	20.	19.581	32.	5.	37.782	6.147	10.4	15.	24.	28.2
00060p	FLOW, STREAM, MEAN DAILY CFS	03/31/50-09/05/78	42	72.	132.19	647.	8.	28919.085	170.056	12.3	46.5	120.	486.1
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-09/24/87	27	84.	133.889	638.	37.	21206.795	145.626	56.2	74.	130.	356.
00065	STAGE, STREAM (FEET)	06/06/74-09/24/87	34	0.9	1.097	3.	0.65	0.315	0.561	0.7	0.83	1.063	1.95
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/25/62-10/04/77	20	34.	62.85	220.	10.	4361.187	66.039	15.9	30.	53.75	209.
00080	COLOR (PLATINUM-COBALT UNITS)	09/25/62-05/18/78	11	5.	77.273	800.	0.	57491.818	239.775	0.	0.	15.	643.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/70-12/01/87	38	719.	723.105	1350.	210.	58495.718	241.859	357.	557.5	846.25	1003.
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	45	8.1	8.033	11.6	4.	2.652	1.629	5.9	7.	9.1	10.04
00310	BOD, 5 DAY, 20 DEG C MG/L	09/25/62-12/12/77	12	2.45	2.942	7.6	0.	5.63	2.373	0.15	1.175	4.125	7.42
00400p	PH (STANDARD UNITS)	06/28/62-12/01/87	40	4.025	4.426	6.6	2.	1.227	1.108	3.2	3.533	5.275	5.9
00400p	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	40	4.024	3.375	6.6	2.	2.36	1.536	3.2	3.533	5.275	5.9
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	40	94.563	421.579	10000.	0.251	2478766.	1574.41	1.259	5.336	294.569	630.957
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	64	3.7	3.909	6.1	2.7	0.794	0.891	2.85	3.325	4.4	5.35
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	64	3.7	3.364	6.1	2.7	1.096	1.047	2.85	3.325	4.4	5.35
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	64	199.526	432.869	1995.262	0.794	333726.036	577.69	4.736	39.811	475.417	1421.909
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	38	1.5	3.289	21.	0.	24.157	4.915	0.	0.	4.25	10.2
00436p	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	03/31/50-09/23/86	41	22.	38.098	205.	0.	2104.49	45.875	0.4	9.	45.5	122.
00437p	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	03/31/50-10/04/77	31	160.	248.968	1520.	16.	98439.432	313.751	52.8	84.	288.	556.
00500	RESIDUE, TOTAL (MG/L)	09/25/62-09/08/80	13	760.	859.	1680.	360.	108790.333	329.834	452.	654.	1065.	1470.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/07/73-12/01/87	33	628.	644.455	2044.	226.	99516.943	315.463	306.4	485.	683.	951.6
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	27	35.	57.111	210.	6.	3091.41	55.6	10.	20.	68.	152.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/72-01/07/88	38	0.61	0.927	4.84	0.12	0.826	0.909	0.238	0.468	1.	1.971
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	38	0.009	0.014	0.056	0.001	0.	0.013	0.002	0.004	0.021	0.032
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	38	0.75	0.803	1.9	0.34	0.078	0.28	0.539	0.648	0.945	1.104
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/72-01/07/88	38	0.06	0.173	2.86	0.03	0.237	0.486	0.03	0.04	0.083	0.193
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/08/75-01/07/88	10	2.	2.2	4.	0.5	1.233	1.111	0.55	1.75	2.875	4.
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/17/66-01/07/88	32	0.01	0.051	0.48	0.001	0.011	0.107	0.001	0.001	0.039	0.154
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	50	334.	338.02	740.	90.	18400.51	135.648	147.3	265.75	408.25	535.5
00916	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	30	79.5	71.87	152.	4.7	863.066	29.378	27.84	55.975	88.725	101.1
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	29	27.6	29.921	69.	6.1	196.797	14.028	12.8	21.55	33.7	50.5
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	50	12.	18.12	230.	6.	972.802	31.19	9.	10.	16.	22.
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	63	400.	482.841	2400.	90.	142133.265	377.006	217.2	299.	490.	912.
01027	CADMIUM, TOTAL (UG/L AS CD)	06/06/74-09/24/87	9 ##	0.6	1.233	5.	0.5	2.115	1.454	0.5	0.5	1.25	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/06/74-09/24/87	9	10.	12.	35.	2.	147.25	12.135	2.	3.	20.	35.
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	64	8465.	25032.969	360000.	2020.	2484630605.332	49846.069	4060.	5225.	24000.	50000.
01105p	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	44	5130.	19934.636	256000.	4.	2264293972.795	47584.598	2770.	4072.5	7900.	55500.
01501	ALPHA, TOTAL	06/17/64-12/03/70	7 ##	1.	1.143	3.	0.5	0.81	0.9	**	**	**	**
03501	BETA, TOTAL	06/17/64-12/03/70	7	11.	11.357	21.	1.5	69.893	8.36	**	**	**	**
31507	COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508)	06/28/62-03/12/71	9	0.	1534.222	11000.	0.	13211305.444	3634.736	0.	0.	1365.	11000.
31507	LOG COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 3150	06/28/62-03/12/71	9	0.	1.315	4.041	0.	2.766	1.663	0.	0.	2.949	4.041
31507	GM COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508	GEOMETRIC MEAN =			20.639								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	54 ##	45.	185.463	6000.	0.	692832.329	832.366	10.	12.5	50.	100.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	54 ##	1.651	1.521	3.778	0.	0.362	0.602	1.	1.097	1.699	2.
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			33.224								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/18/76-01/07/88	29	2.	16.103	123.	0.	1000.596	31.632	0.	0.	17.5	55.
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	29	52.	58.207	148.	0.	1353.813	36.794	12.	34.	80.	116.

** - Less than 9 observations ## - Computed with 50% or more 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 3/31 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	70	5.	5.789	19.	-3.5	18.339	4.282	2.	3.075	7.25	12.
00060p	FLOW, STREAM, MEAN DAILY CFS	03/31/50-09/05/78	50	252.5	373.94	2420.	33.	178846.017	422.902	68.6	120.	452.5	819.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-09/24/87	42	242.5	371.524	1650.	76.	116116.402	340.759	92.9	124.75	525.	887.6
00065	STAGE, STREAM (FEET)	06/06/74-09/24/87	53	1.43	1.62	3.7	0.5	0.543	0.737	0.938	1.01	2.1	2.848
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/25/62-10/04/77	28	27.5	34.964	140.	8.	739.443	27.193	14.5	20.	40.	63.

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

Seasonal Analysis for Season #2: 11/01 to 3/31 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00080	COLOR (PLATINUM-COBALT UNITS)	09/25/62-05/18/78	16	0.	3.906	25.	0.	44.141	6.644	0.	0.	5.	14.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/70-12/01/87	65	470.	488.508	965.	100.	31884.848	178.563	278.	340.	600.	708.
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	68	11.3	10.844	15.4	0.	8.134	2.852	7.94	9.5	12.6	14.11
00310	BOD, 5 DAY, 20 DEG C MG/L	09/25/62-12/12/77	17	3.	3.912	12.	0.8	10.756	3.28	1.2	1.65	4.05	10.4
00400p	PH (STANDARD UNITS)	06/28/62-12/01/87	63	4.97	5.082	7.1	3.1	0.685	0.828	4.	4.69	5.3	6.5
00400p	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	63	4.97	4.417	7.1	3.1	1.134	1.065	4.	4.69	5.3	6.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	63	10.715	38.239	794.328	0.079	11643.361	107.904	0.316	5.012	20.417	100.
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	94	4.85	4.786	6.8	2.8	0.861	0.928	3.4	4.175	5.4	6.05
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	94	4.847	3.943	6.8	2.8	1.579	1.257	3.4	4.175	5.4	6.05
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	94	14.219	113.961	1584.893	0.158	70104.765	264.773	0.897	3.981	67.18	398.107
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	76	5.	7.728	160.	0.	329.689	18.157	0.79	2.	8.	11.
00436p	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	03/31/50-09/23/86	34	4.	10.5	55.	0.	173.894	13.187	0.	0.	18.	24.5
00437p	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	03/31/50-10/04/77	39	84.	103.	368.	0.	6726.368	82.014	28.	48.	130.	220.
00500	RESIDUE, TOTAL (MG/L)	09/25/62-09/08/80	27	558.	570.741	1170.	268.	49213.969	221.842	329.6	374.	696.	888.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/07/73-12/01/87	58	396.	401.948	716.	141.	24099.173	155.239	208.8	278.5	522.5	628.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	46	28.	49.37	260.	2.	2682.949	51.797	14.	22.	50.5	132.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/72-01/07/88	66	0.45	0.755	3.41	0.1	0.482	0.694	0.19	0.298	0.99	1.87
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	66	0.01	0.015	0.054	0.001	0.	0.013	0.004	0.006	0.025	0.037
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	66	1.13	1.117	1.719	0.52	0.074	0.272	0.72	0.943	1.29	1.5
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/72-01/07/88	65	0.08	0.119	1.05	0.04	0.02	0.141	0.05	0.06	0.12	0.198
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/08/75-01/07/88	17	2.3	3.424	13.	0.5	12.536	3.541	0.9	2.	3.5	12.2
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/17/66-01/07/88	58	0.008	0.048	0.3	0.	0.005	0.072	0.001	0.002	0.08	0.14
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	82	203.	231.671	800.	79.	13904.742	117.918	114.3	146.	276.	365.2
00916	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	53	49.5	49.158	95.1	5.3	380.916	19.517	22.5	34.4	60.	74.56
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	53	18.6	21.732	59.	7.	170.538	13.059	8.96	11.8	26.7	43.44
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	80	13.5	14.325	40.	5.	31.615	5.623	10.	11.	16.	20.
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	94	232.5	264.521	1360.	42.	31408.102	177.223	98.5	166.	301.25	495.
01027	CADMIUM, TOTAL (UG/L AS CD)	06/06/74-09/24/87	3 ##	1.5	1.467	2.5	0.4	1.103	1.05	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/06/74-09/24/87	3 ##	5.	9.	20.	2.	93.	9.644	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	94	13920.	18441.596	160000.	1180.	422112527.534	20545.377	5595.	8850.	18652.5	34300.
01105p	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	66	3550.	5368.939	28000.	980.	27945781.935	5286.377	1637.	2667.5	4950.	12650.
01501	ALPHA, TOTAL	06/17/64-12/03/70	11 ##	1.	1.273	3.	0.5	0.968	0.984	0.5	0.5	2.	3.
03501	BETA, TOTAL	06/17/64-12/03/70	11	7.	8.182	16.	3.	19.564	4.423	3.	5.	11.	15.8
31507	COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508)	06/28/62-03/12/71	13	430.	1340.538	11000.	0.	8832784.436	2972.	14.4	85.5	1045.	7520.
31507	LOG COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 3150	06/28/62-03/12/71	13	2.633	2.424	4.041	0.	0.959	0.979	0.623	1.931	3.006	3.77
31507	GM COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508	GEOMETRIC MEAN =			265.464								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	90 ##	50.	148.067	1900.	0.	112299.321	335.111	10.	12.5	100.	390.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	90 ##	1.699	1.614	3.279	0.	0.445	0.667	1.	1.097	2.	2.59
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			41.138								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/18/76-01/07/88	57	4.5	59.377	1130.	0.	28964.422	170.189	0.	0.	41.5	129.4
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	53	36.	37.642	152.	0.	681.773	26.111	4.2	20.	50.	63.2

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Seasonal Analysis for Season #3: 4/01 to 7/31 - Station ALPO0334

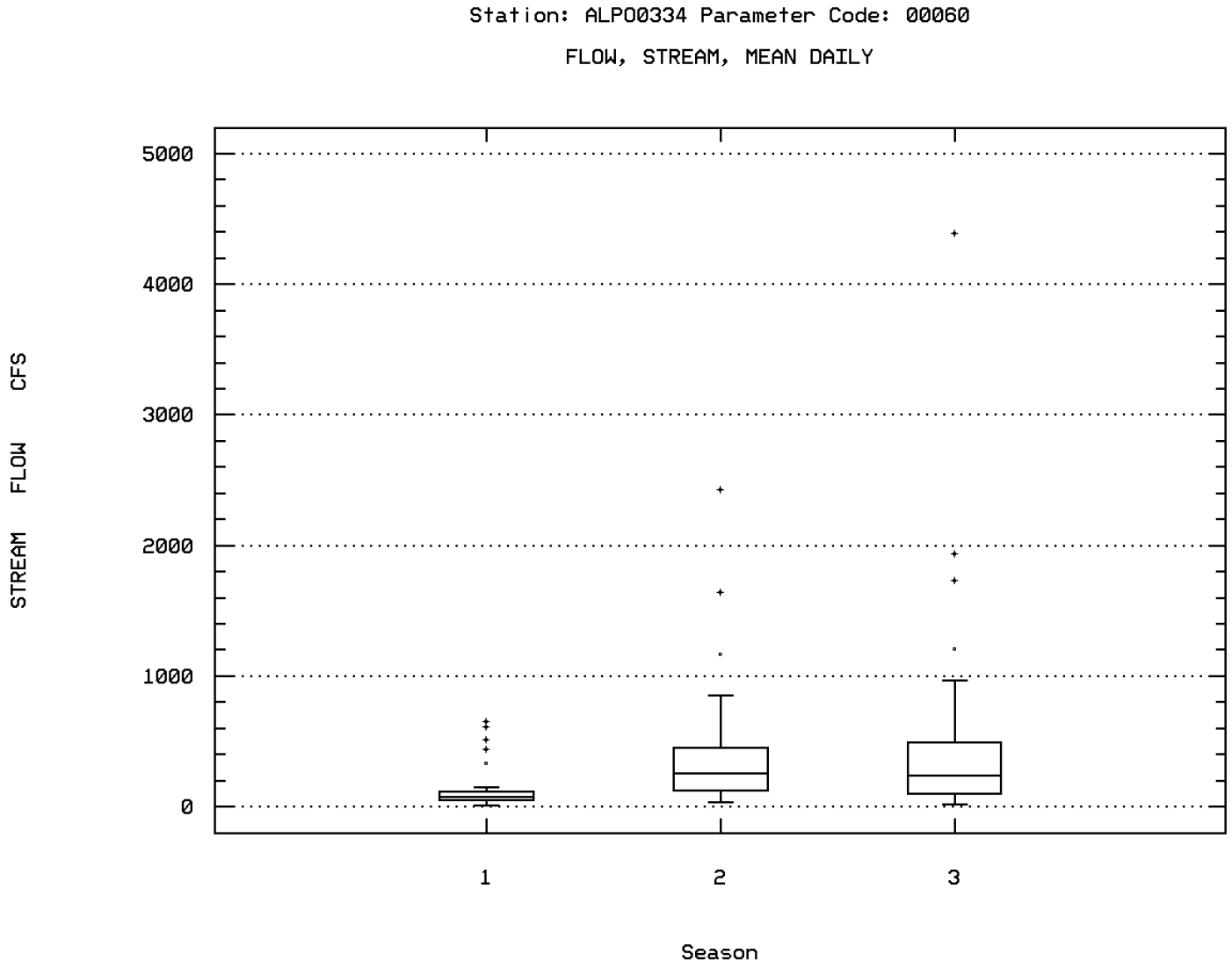
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	53	16.5	15.96	27.	1.5	38.938	6.24	7.46	10.5	21.	24.
00060p	FLOW, STREAM, MEAN DAILY CFS	03/31/50-09/05/78	41	240.	612.171	4390.	18.	960353.245	979.976	61.8	98.5	577.5	1624.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-09/24/87	30	331.	404.567	1500.	60.	113442.875	336.813	84.5	163.5	544.	1031.4
00065	STAGE, STREAM (FEET)	06/06/74-09/24/87	41	1.6	1.848	8.5	0.7	1.633	1.278	0.812	1.12	2.1	2.9
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/25/62-10/04/77	18	28.5	41.833	200.	10.	2482.5	49.825	14.5	19.25	35.	155.
00080	COLOR (PLATINUM-COBALT UNITS)	09/25/62-05/18/78	12	1.25	2.708	10.	0.	10.748	3.278	0.	0.	5.	8.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/70-12/01/87	45	455.	519.844	1100.	200.	41688.043	204.177	290.	395.	645.	818.
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	54	8.8	8.889	14.	3.	4.657	2.158	6.	7.775	10.325	11.95
00310	BOD, 5 DAY, 20 DEG C MG/L	09/25/62-12/12/77	10	2.25	2.81	7.5	0.9	3.899	1.975	0.93	1.35	3.825	7.2
00400p	PH (STANDARD UNITS)	06/28/62-12/01/87	45	4.7	4.778	6.75	2.9	0.928	0.963	3.49	4.05	5.285	6.504

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

Seasonal Analysis for Season #3: 4/01 to 7/31 - Station ALPO0334

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	45	4.7	3.976	6.75	2.9	1.585	1.259	3.49	4.05	5.285	6.504
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	45	19.953	105.683	1258.925	0.178	56866.296	238.467	0.313	5.205	89.716	328.346
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	72	4.3	4.342	7.3	2.3	0.845	0.919	3.2	3.7	4.9	5.67
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	72	4.3	3.602	7.3	2.3	1.4	1.183	3.2	3.7	4.9	5.67
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	72	50.119	249.863	5011.872	0.05	420299.599	648.305	2.15	12.589	199.526	630.957
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	06/15/51-01/07/88	50	2.	4.79	100.	0.	197.429	14.051	0.	0.	5.25	6.
00436p	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	03/31/50-09/23/86	30	11.	19.867	76.	0.	531.568	23.056	0.	4.	25.	69.6
00437p	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	03/31/50-10/04/77	32	93.	115.906	400.	0.	9440.604	97.163	21.2	43.	154.	289.
00500	RESIDUE, TOTAL (MG/L)	09/25/62-09/08/80	17	610.	561.706	990.	226.	49185.346	221.778	241.2	345.	736.	846.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/07/73-12/01/87	43	398.	413.837	842.	152.	31267.997	176.828	196.	294.	514.	710.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/25/62-01/07/88	33	30.	47.879	456.	2.	5977.485	77.314	12.4	20.	42.	77.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/72-01/07/88	47	0.34	0.576	4.81	0.1	0.599	0.774	0.146	0.23	0.62	1.06
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	47	0.008	0.012	0.038	0.002	0.	0.01	0.004	0.006	0.018	0.028
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/06/72-01/07/88	47	0.85	0.968	4.18	0.056	0.318	0.564	0.558	0.75	1.13	1.392
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/72-01/07/88	47	0.06	0.211	5.94	0.005	0.739	0.86	0.03	0.04	0.1	0.156
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/08/75-01/07/88	14	2.6	2.771	8.	0.5	4.867	2.206	0.5	0.875	4.	7.
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/17/66-01/07/88	44	0.009	0.056	0.91	0.001	0.02	0.143	0.001	0.001	0.055	0.133
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	09/25/62-01/07/88	58	210.	233.259	506.	63.	10476.371	102.354	114.9	160.75	305.5	388.5
00916	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	40	43.9	46.565	108.9	5.3	510.415	22.592	15.2	31.75	55.675	78.19
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	40	17.25	17.195	36.3	2.	61.338	7.832	7.44	11.425	22.65	28.45
00940p	CHLORIDE,TOTAL IN WATER MG/L	09/25/62-12/01/87	58	9.	10.983	60.	0.	64.719	8.045	6.9	8.	11.	17.1
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	72	226.	267.903	950.	64.	26531.92	162.886	118.	171.25	327.5	454.
01027	CADMIUM, TOTAL (UG/L AS CD)	06/06/74-09/24/87	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/06/74-09/24/87	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	72	8150.	12859.069	54000.	1190.	134108674.46	11580.53	5160.	6162.5	14000.	34660.
01105p	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	55	4000.	7481.818	44000.	1160.	87020255.892	9328.465	2466.	2800.	6300.	21612.
01501	ALPHA, TOTAL	06/17/64-12/03/70	8	1.	1.313	3.	0.5	1.138	1.067	**	**	**	**
03501	BETA, TOTAL	06/17/64-12/03/70	8	9.	9.625	19.	3.	27.411	5.236	**	**	**	**
31507	COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508)	06/28/62-03/12/71	11	78.	488.909	3500.	0.	1076553.091	1037.571	0.	0.	430.	2982.
31507	LOG COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 3150	06/28/62-03/12/71	11	1.892	1.424	3.544	0.	2.035	1.426	0.	0.	2.633	3.427
31507	GM COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508	GEOMETRIC MEAN =			26.53								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	62 ##	50.	125.161	2000.	5.	79304.072	281.61	10.	12.5	100.	356.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/28/76-01/07/88	62 ##	1.699	1.636	3.301	0.699	0.356	0.596	1.	1.097	2.	2.549
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			43.241								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/18/76-01/07/88	39	0.5	12.397	150.	0.	778.871	27.908	0.	0.	15.	40.
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	39	44.	44.41	144.	6.	787.88	28.069	10.	22.	56.	88.

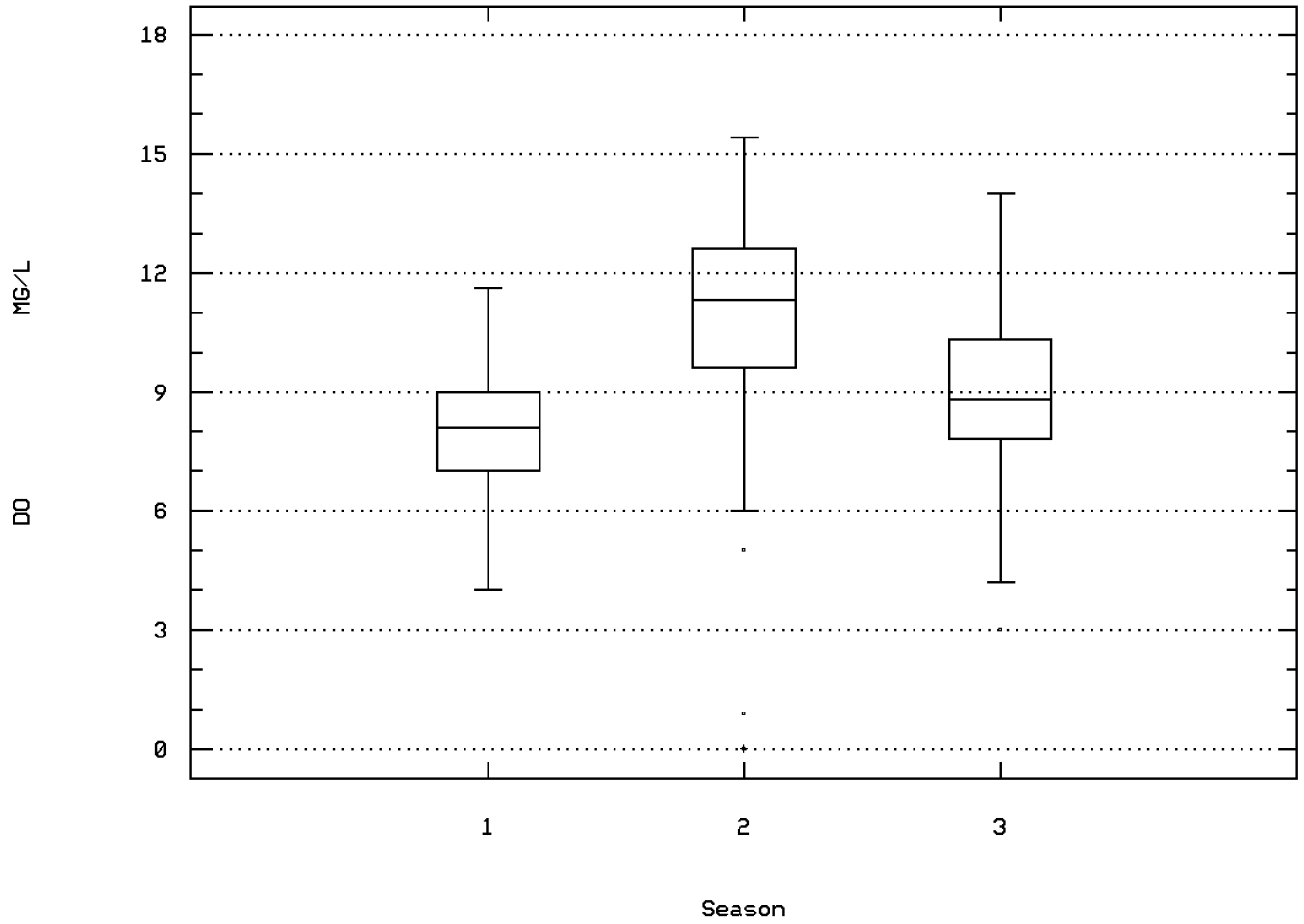
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot



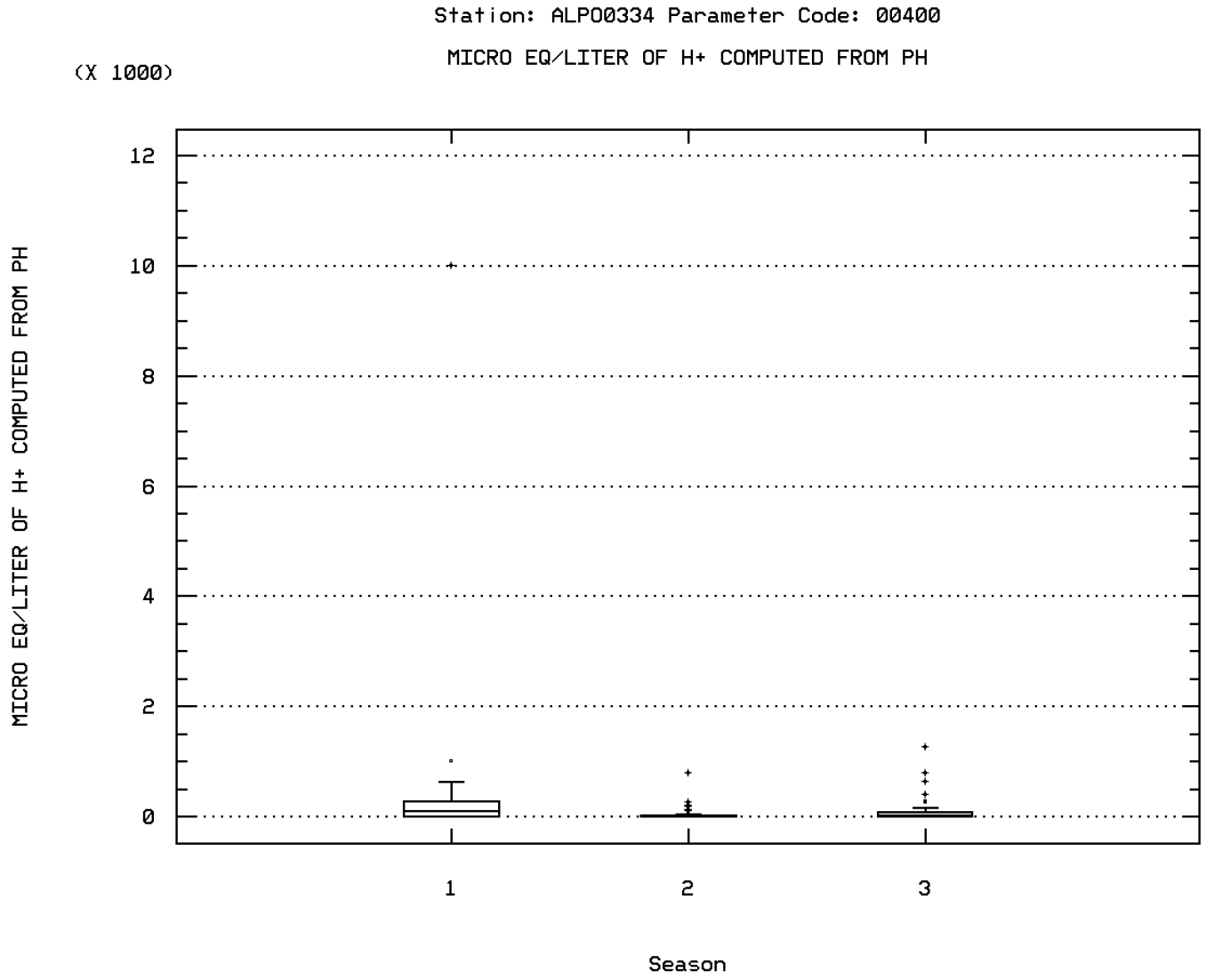
LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00300

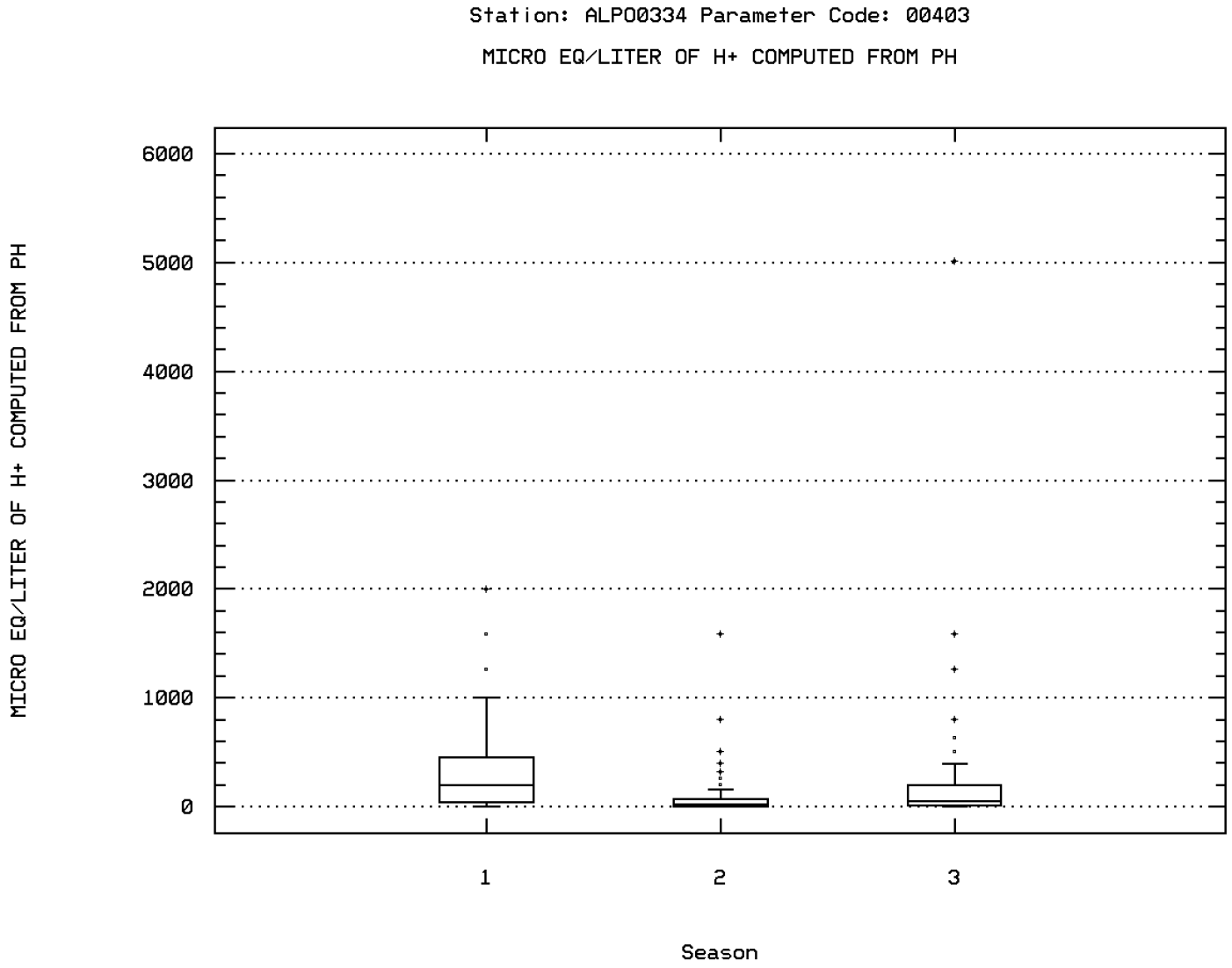
OXYGEN, DISSOLVED



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J



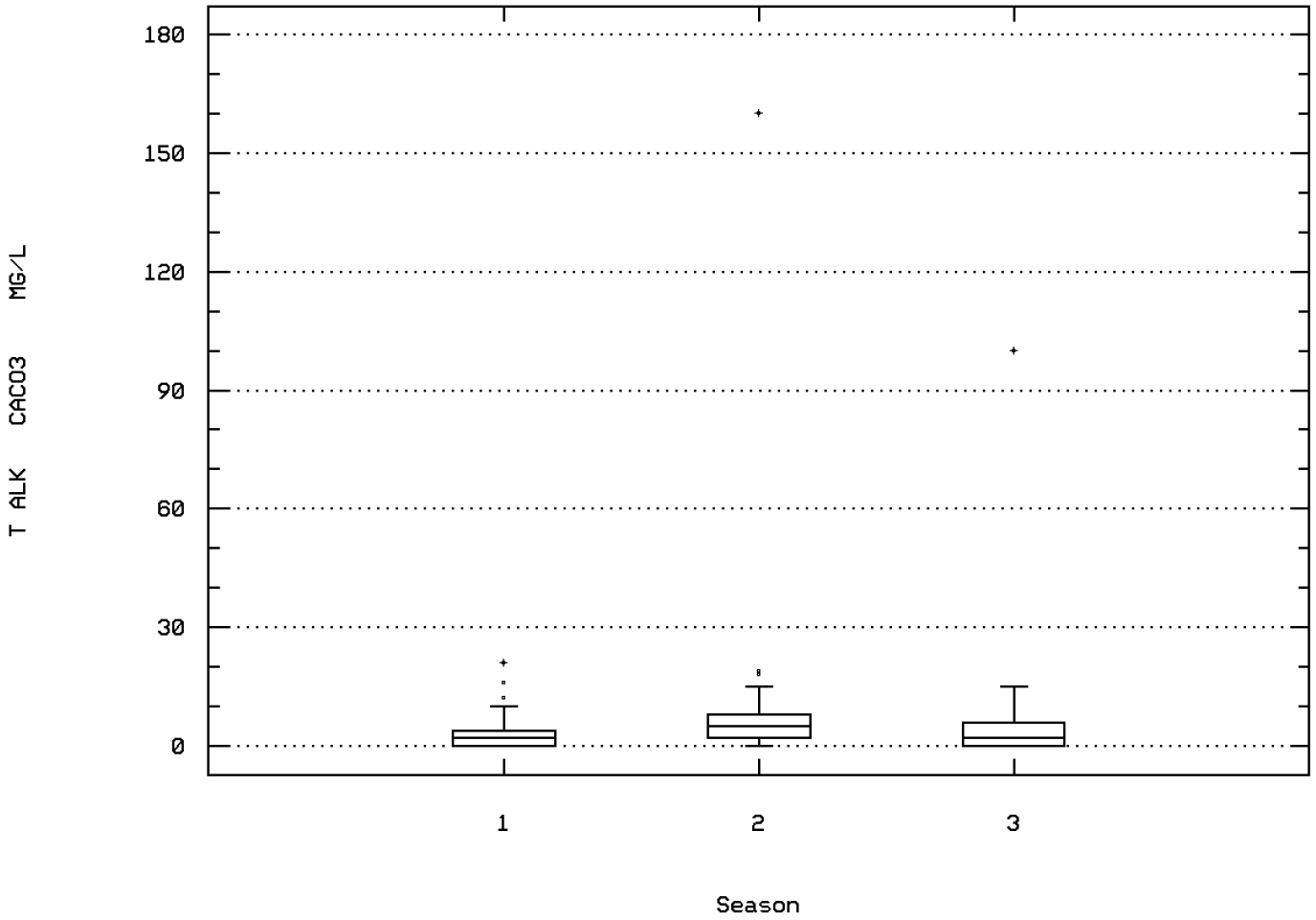
LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00410

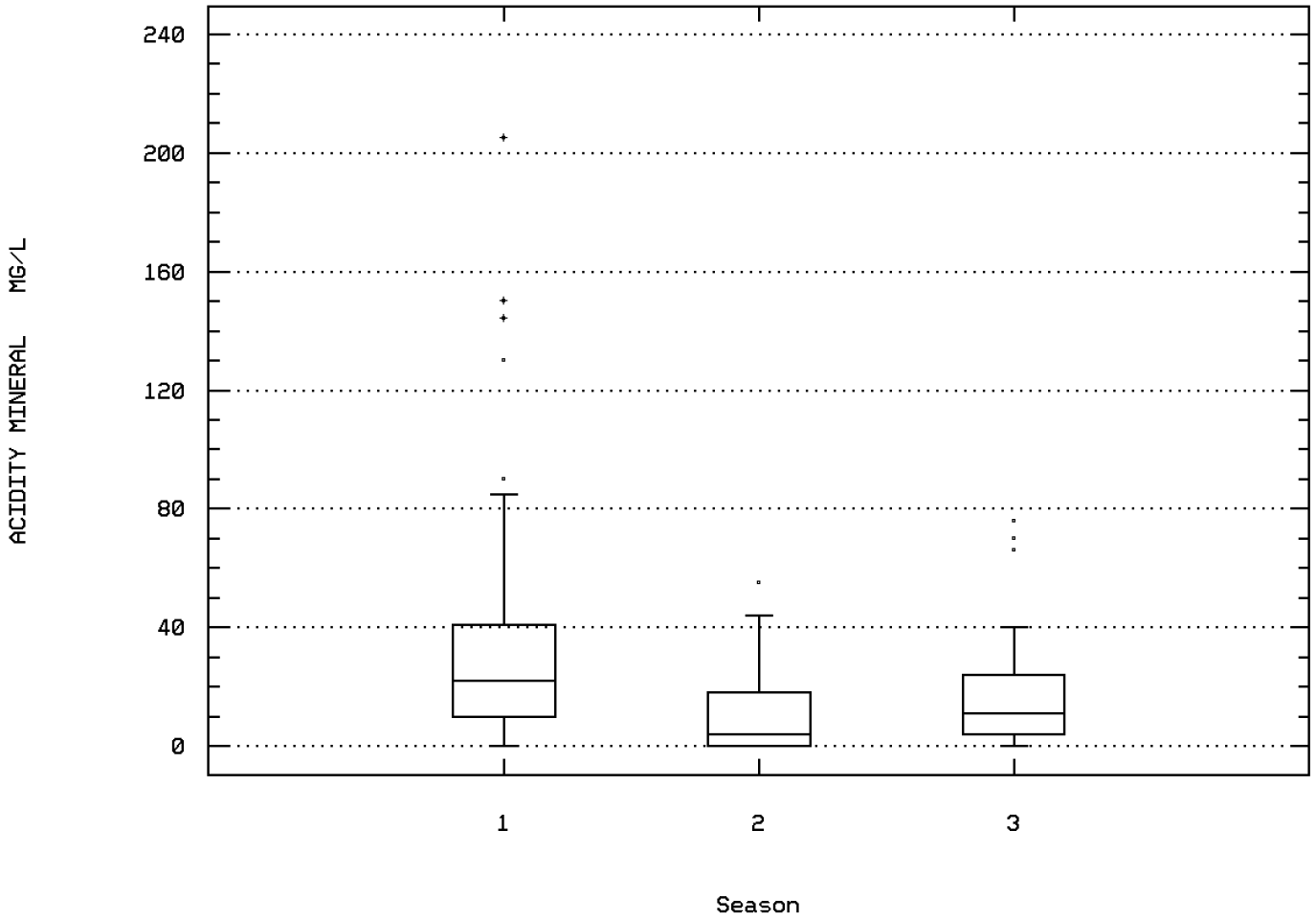
ALKALINITY, TOTAL (MG/L AS CACO3)



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00436

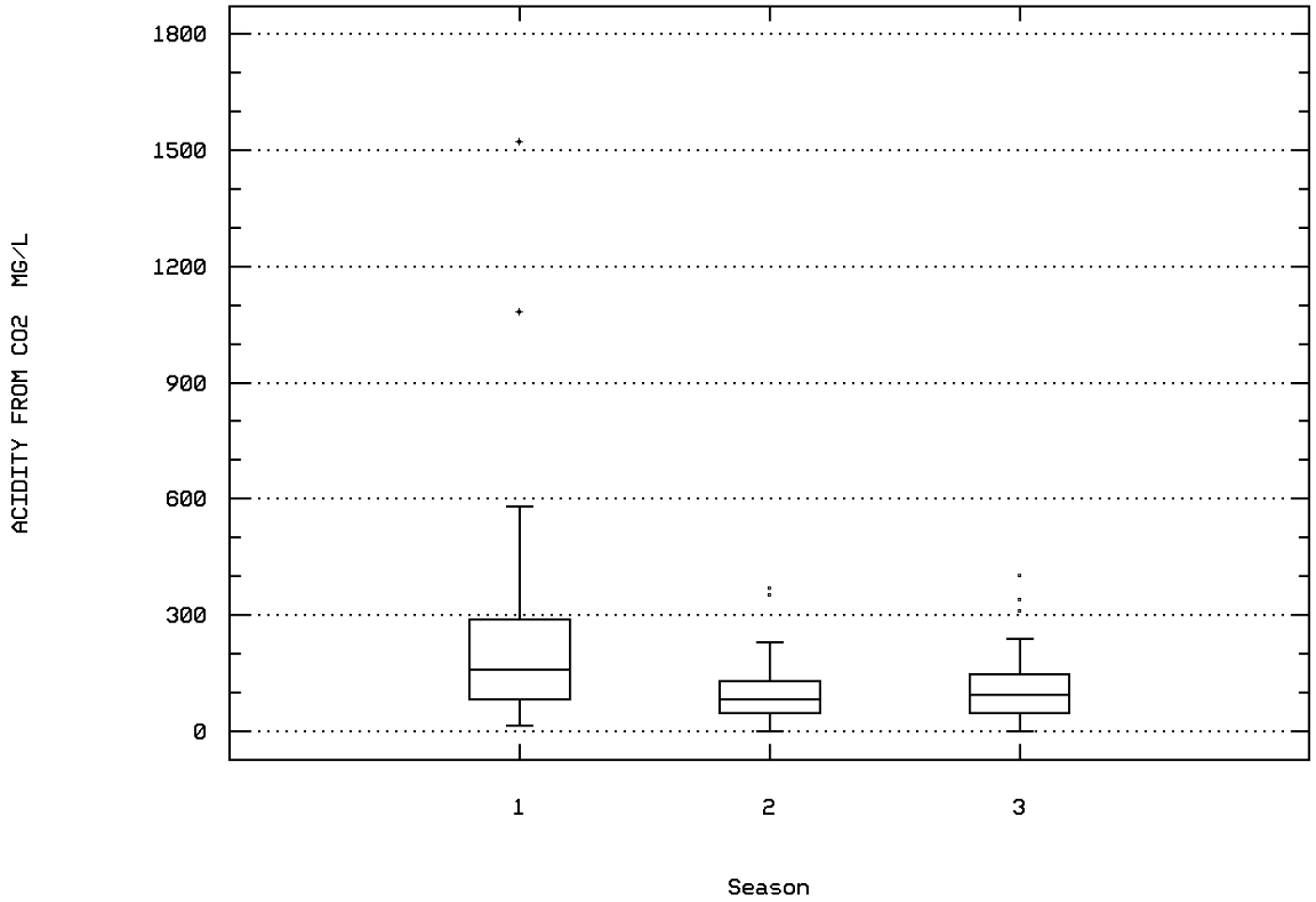
ACIDITY, MINERAL (METHYL ORANGE) (MG/L



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00437

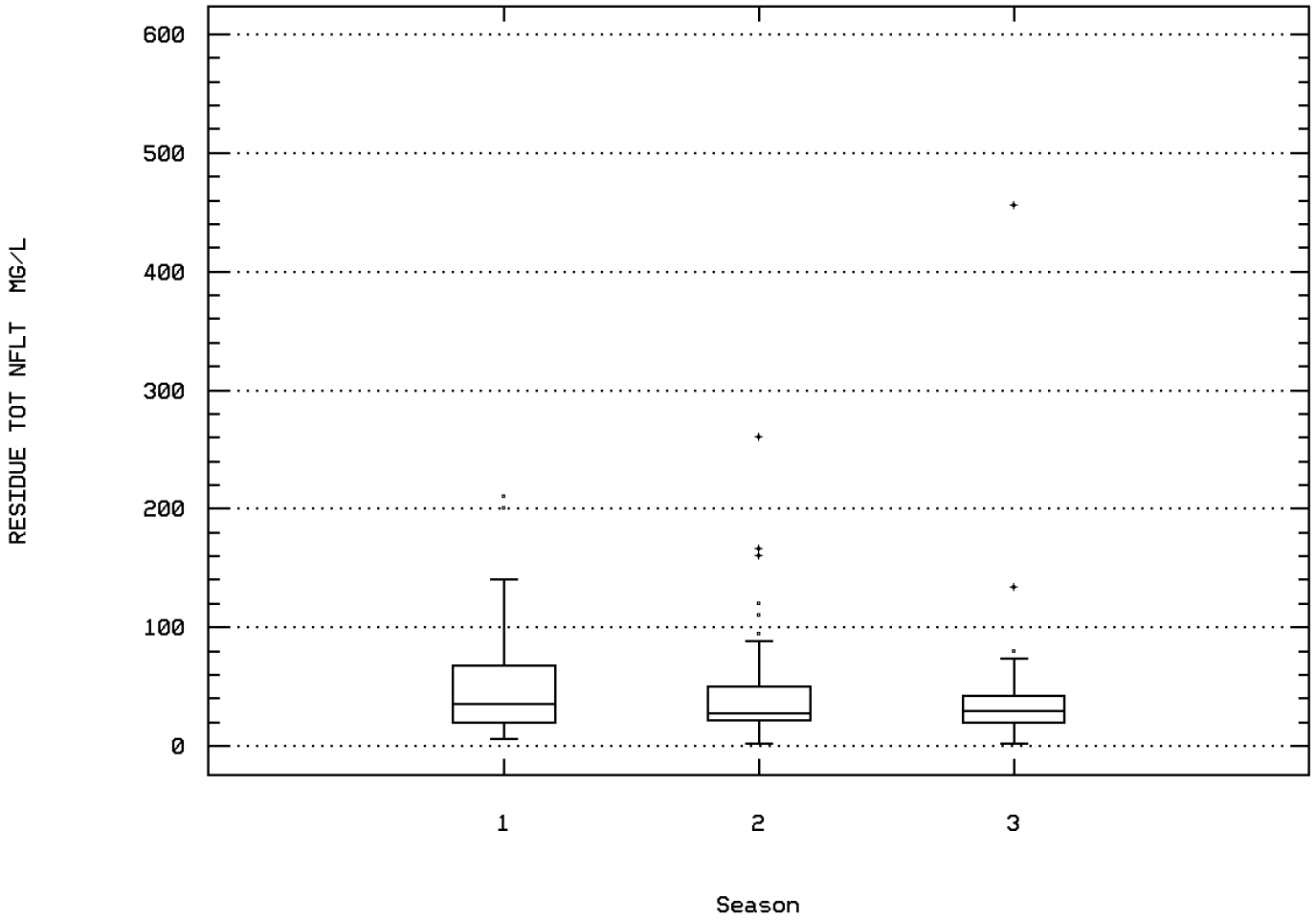
ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00530

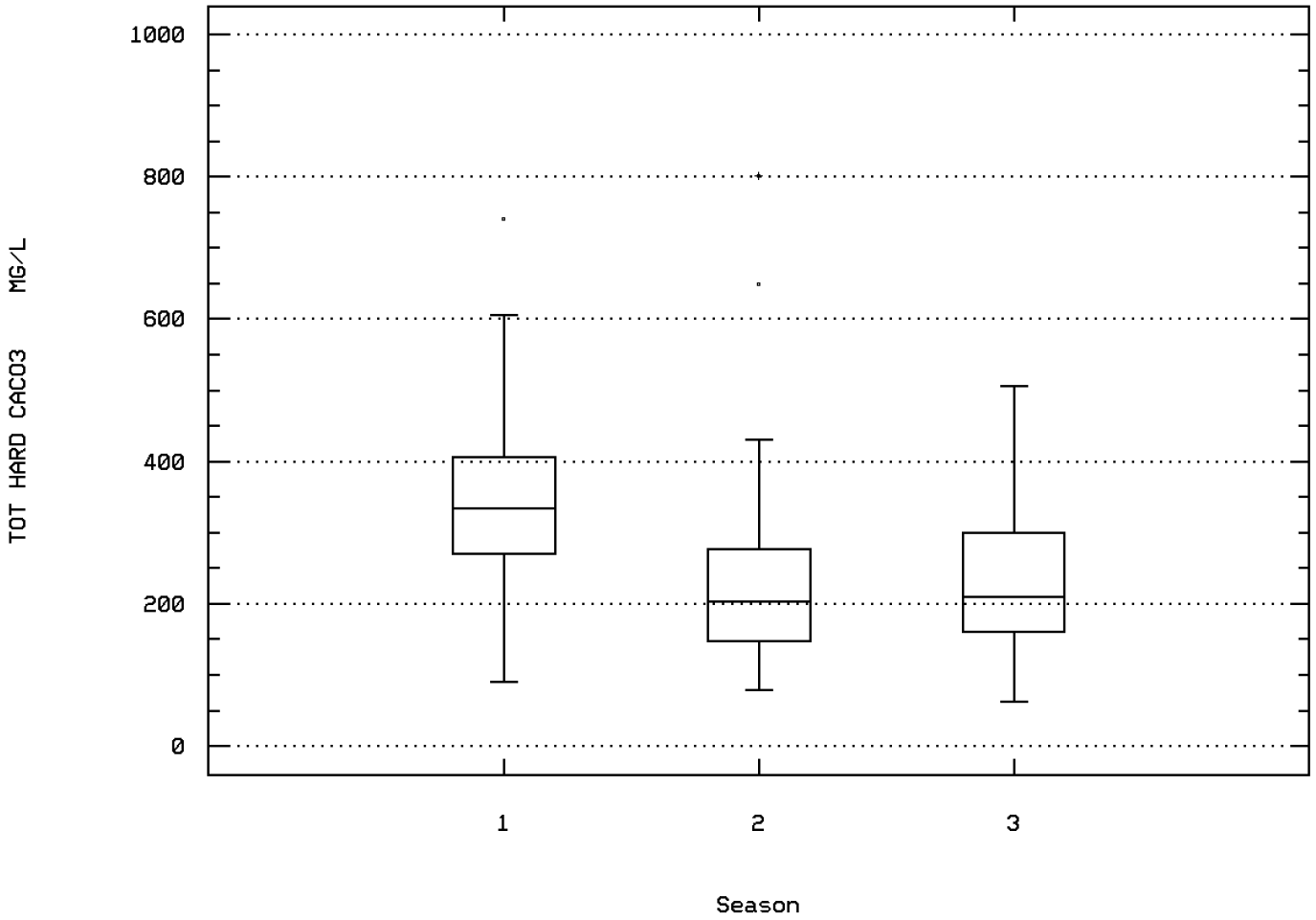
RESIDUE, TOTAL NONFILTRABLE (MG/L)



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00900

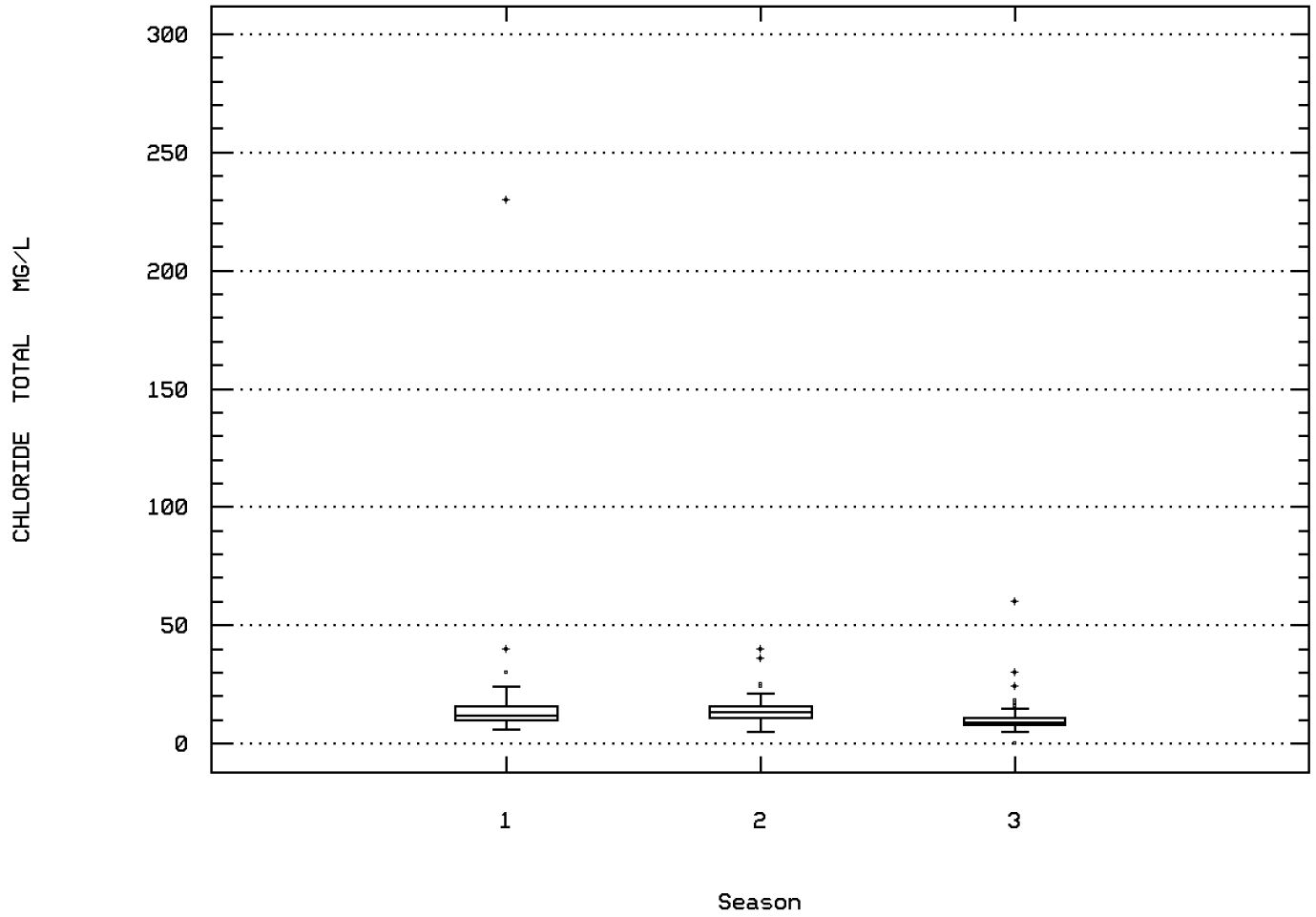
HARDNESS, TOTAL (MG/L AS CACO3)



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00940

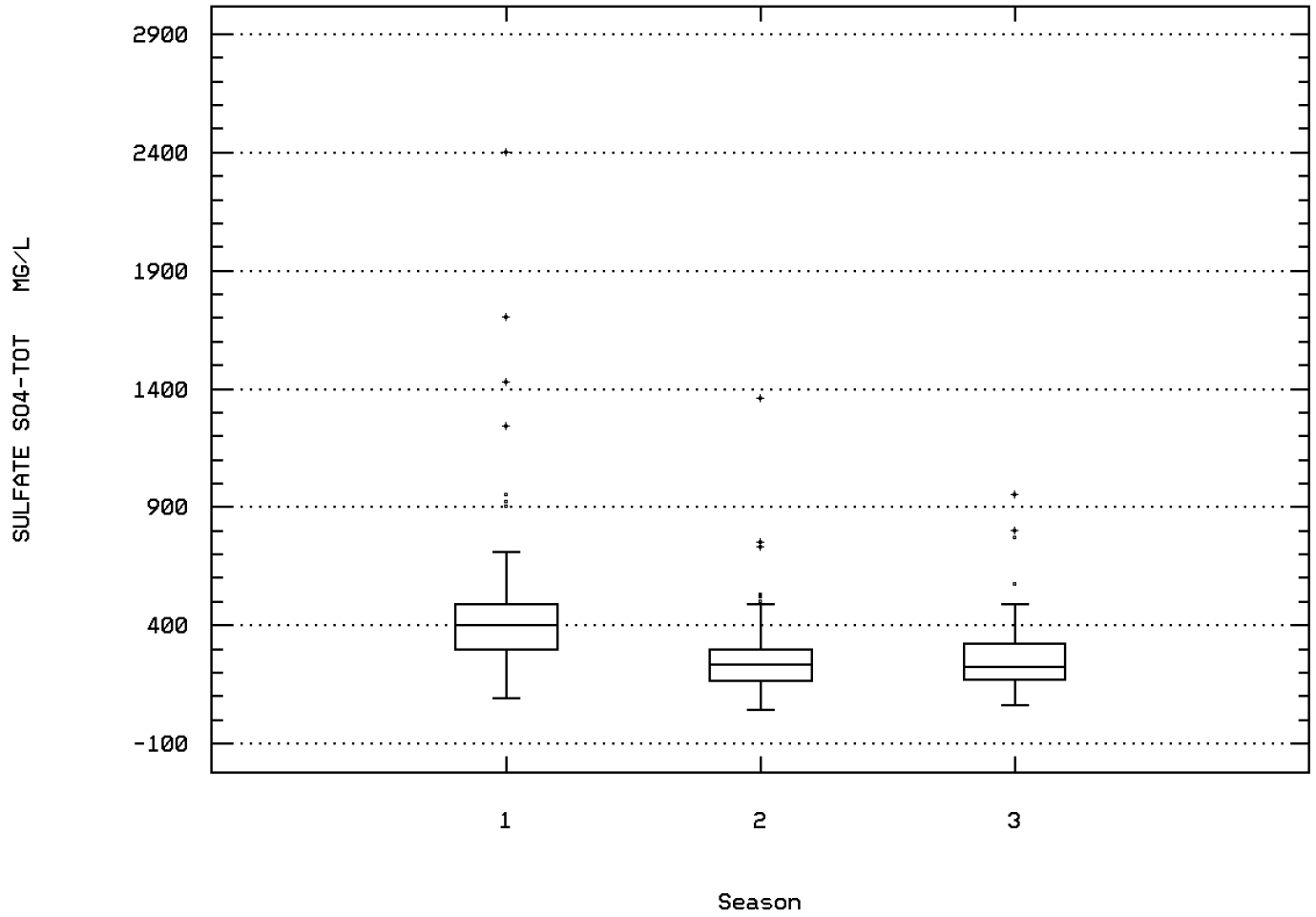
CHLORIDE,TOTAL IN WATER



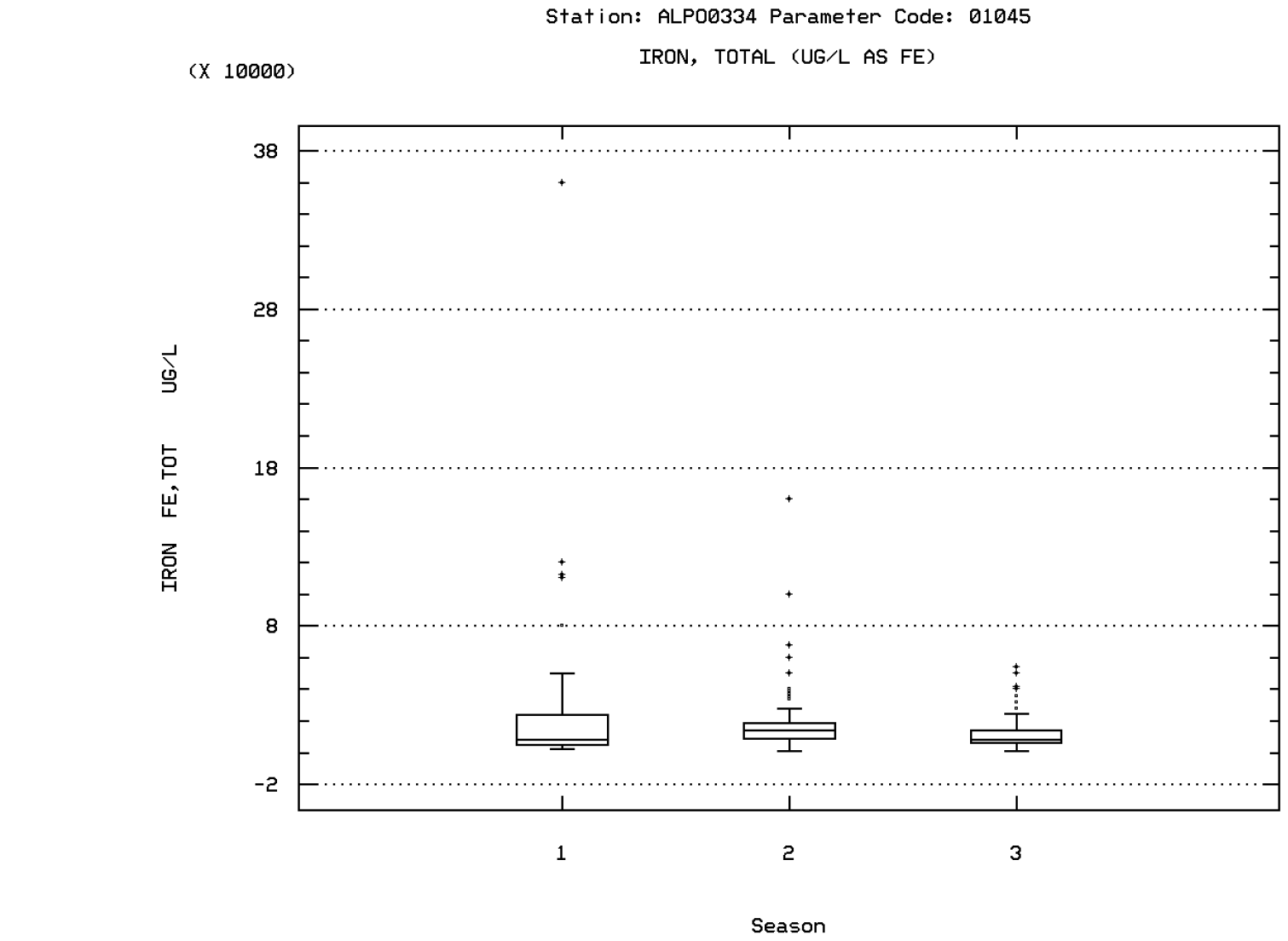
LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station: ALP00334 Parameter Code: 00945

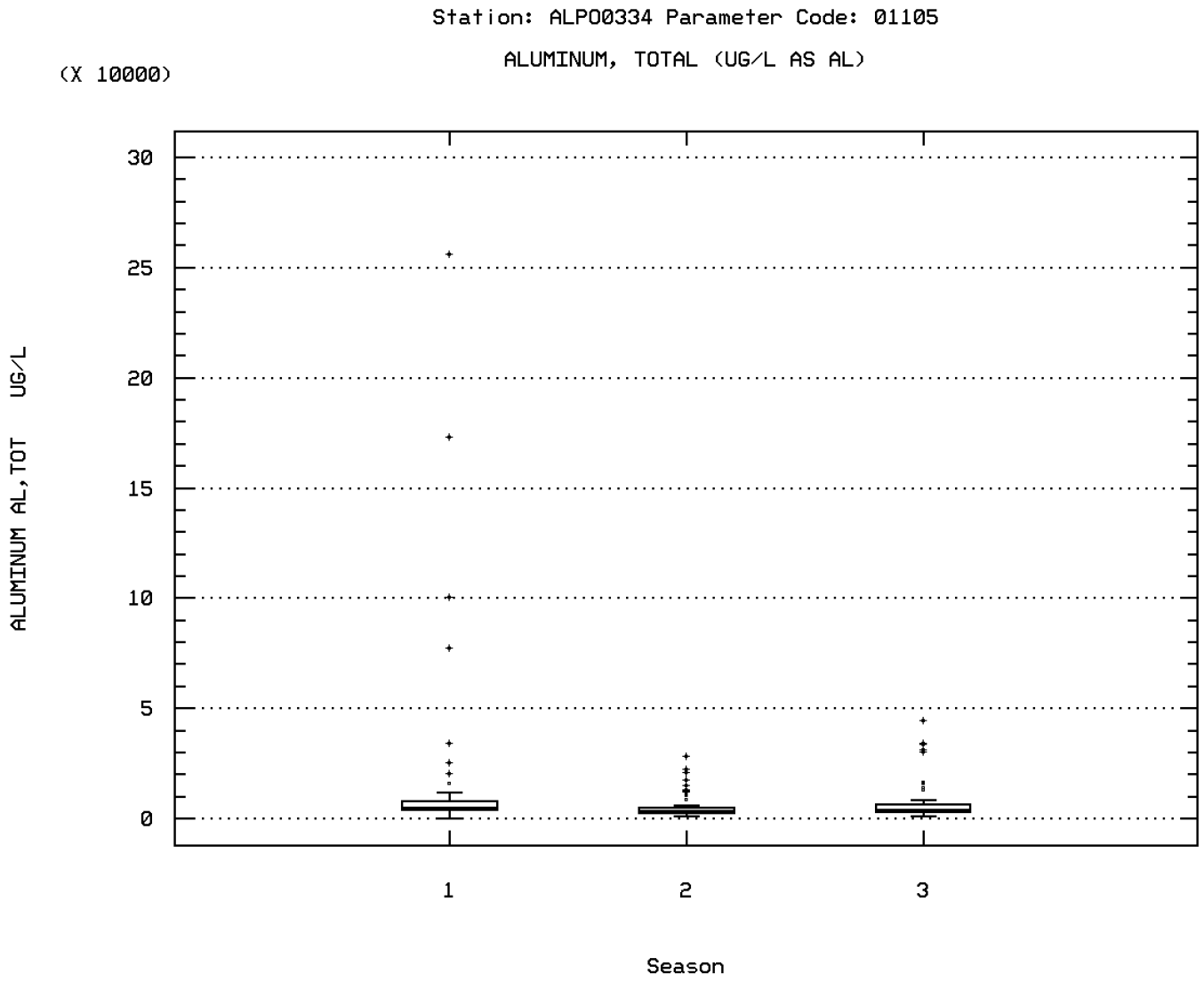
SULFATE, TOTAL (MG/L AS SO4)



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J



LITTLE CONEMAUGH RVR-RT271 BR FRANKLN/J

Station Inventory for Station: ALPO0335

NPS Station ID: ALPO0335
Location: SITE 189
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 05010007
Major Basin:
Minor Basin:
RF1 Index: 05010007
RF3 Index: 02050303019600.00
Description:

LAT/LON: 40.301948/ -78.907505
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 1.33

Agency: 112WRD
FIPS State/County: 42111 PENNSYLVANIA/SOMERSET
STORET Station ID(s): 401807078542701
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 18.20
Distance from RF3: 0.38

Date Created: 04/01/95
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: ALPO0335

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/94-11/21/94	1	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	11/21/94-11/21/94	1	554.	554.	554.	554.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/21/94-11/21/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/21/94-11/21/94	1	1270.	1270.	1270.	1270.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	11/21/94-11/21/94	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/21/94-11/21/94	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/94-11/21/94	1	794.328	794.328	794.328	794.328	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/21/94-11/21/94	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/21/94-11/21/94	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/94-11/21/94	1	316.228	316.228	316.228	316.228	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/94-11/21/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	11/21/94-11/21/94	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/21/94-11/21/94	1	980.	980.	980.	980.	0.	0.	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	11/21/94-11/21/94	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/21/94-11/21/94	1	1139.	1139.	1139.	1139.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	11/21/94-11/21/94	1	0.22	0.22	0.22	0.22	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/21/94-11/21/94	1	1840.	1840.	1840.	1840.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	11/21/94-11/21/94	1	1550.	1550.	1550.	1550.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	11/21/94-11/21/94	1	170.	170.	170.	170.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/21/94-11/21/94	1	811.	811.	811.	811.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/21/94-11/21/94	1	7280.	7280.	7280.	7280.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/21/94-11/21/94	1	6640.	6640.	6640.	6640.	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/21/94-11/21/94	1	70.	70.	70.	70.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0335

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00				1	1	1.00						

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

EPA Water Quality Criteria Analysis for Station: ALPO0335

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: ALPO0336

NPS Station ID: ALPO0336
LAT/LON: 40.307227/ -78.908059
Agency: 1114O100
Date Created: / /
Location: SOLOMON RUN AT MOUTH
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 415385
RMI-Indexes: 1021500 007720 21670 0500
Within Park Boundary: No
RMI-Miles: 0953.80 0981.00 030.20 000.10
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007003
RF1 Mile Point: 2.210
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 05010007000302.74
RF3 Mile Point: 14.58
Distance from RF3: 0.05
On/Off RF3:
Description:
STATION LOCATED ON SOLOMON RUN ABOVE ITS MOUTH TO STONY CREEK, A TRIB TO THE CONEMAUGH RIVER.
1968 WFO-REGION III AND DER OF PENNSYLVANIA STUDY BY SCOTT MCPHILLIAMY. JOHNSTOWN, PA. 15 MIN QUAD MAP 4018260 07854290

Parameter Inventory for Station: ALPO0336

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: ALPO0337

NPS Station ID: ALPO0337
LAT/LON: 40.347420/ -78.908754
Agency: 11NPSWRD
Date Created: 10/17/98
Location: HINKSTON RUN HR-03
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_HR-03
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE HINKSTON RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0337

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/94-08/22/94	1	12.7	12.7	12.7	12.7	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/22/94-08/22/94	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/22/94-08/22/94	1	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/22/94-08/22/94	1	1352.	1352.	1352.	1352.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/22/94-08/22/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/22/94-08/22/94	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/22/94-08/22/94	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/22/94-08/22/94	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/22/94-08/22/94	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/22/94-08/22/94	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/22/94-08/22/94	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/22/94-08/22/94	1	122.	122.	122.	122.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/22/94-08/22/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/22/94-08/22/94	1	559.	559.	559.	559.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/22/94-08/22/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/22/94-08/22/94	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/22/94-08/22/94	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/22/94-08/22/94	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/22/94-08/22/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/22/94-08/22/94	1	164.	164.	164.	164.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/22/94-08/22/94	1	1675.	1675.	1675.	1675.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0337

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00	1	1	1.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0338

NPS Station ID: ALPO0338
LAT/LON: 40.346587/ -78.908726
Agency: 11NPSWRD
Date Created: 10/17/98
Location: HINKSTON RUN HR-02
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_HR-02
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE HINKSTON RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0338

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/11/94-11/16/94	2	12.55	12.55	13.2	11.9	0.845	0.919	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/11/94-11/16/94	2	94.	94.	121.	67.	1458.	38.184	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/11/94-11/16/94	2	1735.	1735.	2170.	1300.	378450.	615.183	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/11/94-11/16/94	2	1445.5	1445.5	1549.	1342.	21424.5	146.371	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/16/94-11/16/94	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/11/94-11/16/94	2	6.5	6.5	6.6	6.4	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/11/94-11/16/94	2	6.489	6.489	6.6	6.4	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/11/94-11/16/94	2	0.325	0.325	0.398	0.251	0.011	0.104	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/11/94-11/16/94	2	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/11/94-11/16/94	2	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/11/94-11/16/94	2	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/11/94-11/16/94	2	126.	126.	128.	124.	8.	2.828	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/11/94-11/16/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/11/94-11/16/94	2	703.	703.	794.	612.	16562.	128.693	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/11/94-11/16/94	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/11/94-11/16/94	2	1.4	1.4	2.	0.8	0.72	0.849	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/11/94-11/16/94	2	2.75	2.75	3.5	2.	1.125	1.061	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/11/94-11/16/94	2	2.7	2.7	3.5	1.9	1.28	1.131	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/11/94-11/16/94	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/11/94-11/16/94	2	1246.	1246.	1314.	1178.	9248.	96.167	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/11/94-11/16/94	2	1162.5	1162.5	1454.	871.	169944.5	412.243	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0338

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	1	1.00				1	1	1.00						
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	1	0.50	1	0	0.00	1	1	1.00						
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00	1	1	1.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00	1	1	1.00	1	1	1.00						

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

Station Inventory for Station: ALPO0339

NPS Station ID: ALPO0339
Location: SITE 196
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC:
Major Basin:
Minor Basin:
RF1 Index:
RF3 Index: 02050303019600.00
Description:

LAT/LON: 40.285837/ -78.909448
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 1.33

Agency: 112WRD
FIPS State/County: 42111 PENNSYLVANIA/SOMERSET
STORET Station ID(s): 401709078543401
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 18.20
Distance from RF3: 0.38

Date Created: 12/28/94
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: ALPO0339

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/94-08/15/94	2	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	08/15/94-08/15/94	2	12.	12.	12.	12.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/15/94-08/15/94	2	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/94-08/15/94	2	903.	903.	903.	903.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/15/94-08/15/94	2	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/15/94-08/15/94	2	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/94-08/15/94	2	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/94-08/15/94	2	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/94-08/15/94	2	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/94-08/15/94	2	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/94-08/15/94	2	224.	224.	224.	224.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/94-08/15/94	2	704.	704.	704.	704.	0.	0.	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	08/15/94-08/15/94	2	40.1	40.1	40.1	40.1	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/94-08/15/94	2	222.	222.	222.	222.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/94-08/15/94	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/15/94-08/15/94	2	32.	32.	32.	32.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/15/94-08/15/94	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/94-08/15/94	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/15/94-08/15/94	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/15/94-08/15/94	2 ##	67.5	67.5	67.5	67.5	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/94-08/15/94	2 ##	67.5	67.5	67.5	67.5	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	08/15/94-08/15/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0339

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	2	0	0.00									
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: ALPO0340

NPS Station ID: ALPO0340
Location: SITE 195
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC:
Major Basin:
Minor Basin:
RF1 Index:
RF3 Index: 02050303019600.00
Description:

LAT/LON: 40.286115/ -78.909448
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 1.33

Agency: 112WRD
FIPS State/County: 42111 PENNSYLVANIA/SOMERSET
STORET Station ID(s): 401710078543401
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 18.20
Distance from RF3: 0.38

Date Created: 12/28/94
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: ALPO0340

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/94-08/15/94	1	14.5	14.5	14.5	14.5	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	08/15/94-08/15/94	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/15/94-08/15/94	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/94-08/15/94	1	765.	765.	765.	765.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/15/94-08/15/94	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/15/94-08/15/94	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/94-08/15/94	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/94-08/15/94	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/94-08/15/94	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/94-08/15/94	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/94-08/15/94	1	168.	168.	168.	168.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/94-08/15/94	1	580.	580.	580.	580.	0.	0.	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	08/15/94-08/15/94	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/94-08/15/94	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/94-08/15/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/15/94-08/15/94	1	104.	104.	104.	104.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/15/94-08/15/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/94-08/15/94	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/15/94-08/15/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/15/94-08/15/94	1 ##	67.5	67.5	67.5	67.5	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/94-08/15/94	1 ##	67.5	67.5	67.5	67.5	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	08/15/94-08/15/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0340

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0341

NPS Station ID: ALPO0341
Location: SITE 193
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC:
Major Basin:
Minor Basin:
RF1 Index:
RF3 Index: 02050303019600.00
Description:

LAT/LON: 40.286670/ -78.909448
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 1.33

Agency: 112WRD
FIPS State/County: 42111 PENNSYLVANIA/SOMERSET
STORET Station ID(s): 401712078543401
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 18.20
Distance from RF3: 0.38

Date Created: 12/28/94
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: ALPO0341

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/94-08/15/94	1	15.5	15.5	15.5	15.5	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	08/15/94-08/15/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/15/94-08/15/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/94-08/15/94	1	1110.	1110.	1110.	1110.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/15/94-08/15/94	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/15/94-08/15/94	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/94-08/15/94	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/94-08/15/94	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/94-08/15/94	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/94-08/15/94	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/94-08/15/94	1	194.	194.	194.	194.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/94-08/15/94	1	1058.	1058.	1058.	1058.	0.	0.	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	08/15/94-08/15/94	1	34.4	34.4	34.4	34.4	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/94-08/15/94	1	468.	468.	468.	468.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/94-08/15/94	1	0.22	0.22	0.22	0.22	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/15/94-08/15/94	1	1420.	1420.	1420.	1420.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/15/94-08/15/94	1	979.	979.	979.	979.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/94-08/15/94	1	126.	126.	126.	126.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/15/94-08/15/94	1	104.	104.	104.	104.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/15/94-08/15/94	1 ##	67.5	67.5	67.5	67.5	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/94-08/15/94	1 ##	67.5	67.5	67.5	67.5	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	08/15/94-08/15/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0341

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00	1	1	1.00									
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0342

NPS Station ID: ALPO0342
LAT/LON: 40.284726/ -78.909448
Agency: 112WRD
Date Created: 12/28/94
Location: SITE 197
FIPS State/County: 42111 PENNSYLVANIA/SOMERSET
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 401705078543401
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0342

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/94-08/15/94	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	08/15/94-08/15/94	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/15/94-08/15/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/94-08/15/94	1	780.	780.	780.	780.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/15/94-08/15/94	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/15/94-08/15/94	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/94-08/15/94	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/94-08/15/94	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/94-08/15/94	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/94-08/15/94	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/94-08/15/94	1	134.	134.	134.	134.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/94-08/15/94	1	656.	656.	656.	656.	0.	0.	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	08/15/94-08/15/94	1	29.1	29.1	29.1	29.1	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/94-08/15/94	1	253.	253.	253.	253.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/94-08/15/94	1	0.22	0.22	0.22	0.22	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/15/94-08/15/94	1	1900.	1900.	1900.	1900.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/15/94-08/15/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/94-08/15/94	1	79.	79.	79.	79.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/15/94-08/15/94	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/15/94-08/15/94	1	336.	336.	336.	336.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/94-08/15/94	1 ##	67.5	67.5	67.5	67.5	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	08/15/94-08/15/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0342

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00	1	1	1.00									
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0343

NPS Station ID: ALPO0343
LAT/LON: 40.305838/ -78.910004
Agency: 112WRD
Date Created: 10/30/93
Location: SOLOMON RUN AT JOHNSTOWN, PA SITE 835
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 401821078543601
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0343

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/93-05/23/94	2	22.45	22.45	27.	17.9	41.405	6.435	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/27/93-05/23/94	2	5.	5.	7.	3.	8.	2.828	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/27/93-05/23/94	2	960.	960.	1150.	770.	72200.	268.701	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/27/93-07/27/93	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/27/93-05/23/94	2	6.7	6.7	6.8	6.6	0.02	0.141	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/27/93-05/23/94	2	6.689	6.689	6.8	6.6	0.02	0.142	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/93-05/23/94	2	0.205	0.205	0.251	0.158	0.004	0.066	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/27/93-05/23/94	2	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/27/93-05/23/94	2	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/93-05/23/94	2	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/27/93-05/23/94	2	15.5	15.5	24.	7.	144.5	12.021	**	**	**	**
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	07/27/93-07/27/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/27/93-05/23/94	2	802.	802.	914.	690.	25088.	158.392	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/27/93-05/23/94	2	5.9	5.9	9.1	2.7	20.48	4.525	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/27/93-05/23/94	2	443.5	443.5	560.	327.	27144.5	164.756	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	07/27/93-05/23/94	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/27/93-05/23/94	2	14350.	14350.	17500.	11200.	19845000.	4454.773	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/27/93-05/23/94	2	6215.	6215.	8200.	4230.	7880450.	2807.214	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/27/93-05/23/94	2	1761.	1761.	2700.	822.	1763442.	1327.947	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/27/93-07/27/93	1	2700.	2700.	2700.	2700.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/27/93-05/23/94	2	1460.	1460.	1800.	1120.	231200.	480.833	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/27/93-05/23/94	2 ##	58.75	58.75	67.5	50.	153.125	12.374	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/27/93-05/23/94	2	5.5	5.5	11.	0.	60.5	7.778	**	**	**	**

** - 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: ALPO0343

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00							2	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	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

EPA Water Quality Criteria Analysis for Station: ALPO0343

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00							2	2	1.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: ALPO0344

NPS Station ID: ALPO0344
LAT/LON: 40.288337/ -78.910004
Agency: 112WRD
Date Created: 12/28/94
Location: SITE 192
FIPS State/County: 42111 PENNSYLVANIA/SOMERSET
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 401718078543601
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0344

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/94-08/15/94	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	08/15/94-08/15/94	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/15/94-08/15/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/94-08/15/94	1	3120.	3120.	3120.	3120.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/15/94-08/15/94	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/15/94-08/15/94	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/94-08/15/94	1	501.187	501.187	501.187	501.187	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/94-08/15/94	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/94-08/15/94	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/94-08/15/94	1	199.526	199.526	199.526	199.526	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/94-08/15/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	08/15/94-08/15/94	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/94-08/15/94	1	4278.	4278.	4278.	4278.	0.	0.	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	08/15/94-08/15/94	1	19.8	19.8	19.8	19.8	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/94-08/15/94	1	2891.	2891.	2891.	2891.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/94-08/15/94	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/15/94-08/15/94	1	188000.	188000.	188000.	188000.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/15/94-08/15/94	1	186000.	186000.	186000.	186000.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	08/15/94-08/15/94	1	160000.	160000.	160000.	160000.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/94-08/15/94	1	9510.	9510.	9510.	9510.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/15/94-08/15/94	1	12500.	12500.	12500.	12500.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/94-08/15/94	1	12300.	12300.	12300.	12300.	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	08/15/94-08/15/94	1	526.	526.	526.	526.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0344

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00	1	1	1.00									

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

EPA Water Quality Criteria Analysis for Station: ALPO0344

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0345

NPS Station ID: ALPO0345
Location: SITE 190
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC:
Major Basin:
Minor Basin:
RF1 Index:
RF3 Index: 02050303019600.00
Description:

LAT/LON: 40.291392/ -78.915005
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 1.33

Agency: 112WRD
FIPS State/County: 42111 PENNSYLVANIA/SOMERSET
STORET Station ID(s): 401729078545401
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 18.20
Distance from RF3: 0.38

Date Created: 12/28/94
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: ALPO0345

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/94-11/21/94	2	11.75	11.75	12.	11.5	0.125	0.354	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	08/15/94-11/21/94	2	53.5	53.5	60.	47.	84.5	9.192	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/15/94-11/21/94	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/94-11/21/94	2	2250.	2250.	2370.	2130.	28800.	169.706	**	**	**	**
00400	PH (STANDARD UNITS)	08/15/94-11/21/94	2	3.05	3.05	3.1	3.	0.005	0.071	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/15/94-11/21/94	2	3.047	3.047	3.1	3.	0.005	0.071	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/94-11/21/94	2	897.164	897.164	1000.	794.328	21150.438	145.432	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/94-11/21/94	2	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/94-11/21/94	2	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/94-11/21/94	2	630.957	630.957	630.957	630.957	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/94-11/21/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	08/15/94-11/21/94	2	71.	71.	84.	58.	338.	18.385	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/94-11/21/94	2	2243.	2243.	2378.	2108.	36450.	190.919	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	08/15/94-11/21/94	2	22.	22.	30.4	13.6	141.12	11.879	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/94-11/21/94	2	2371.	2371.	3167.	1575.	1267232.	1125.714	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/94-11/21/94	2	0.6	0.6	0.62	0.58	0.001	0.028	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/15/94-11/21/94	2	21550.	21550.	25500.	17600.	31205000.	5586.144	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/15/94-11/21/94	2	20100.	20100.	23000.	17200.	16820000.	4101.219	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	08/15/94-11/21/94	2	5545.	5545.	5700.	5390.	48050.	219.203	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/94-11/21/94	2	4585.	4585.	5030.	4140.	396050.	629.325	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/15/94-11/21/94	2	3665.	3665.	3900.	3430.	110450.	332.34	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/94-11/21/94	2	3465.	3465.	3580.	3350.	26450.	162.635	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	08/15/94-11/21/94	2	140.	140.	140.	140.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0345

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00	1	1	1.00						
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00	1	1	1.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00	1	1	1.00	1	1	1.00						

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

EPA Water Quality Criteria Analysis for Station: ALPO0345

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00	1	0	0.00	1	0	0.00						

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

Station Inventory for Station: ALPO0346

NPS Station ID: ALPO0346 LAT/LON: 40.314170/ -78.915005 Agency: 11COEHUN Date Created: 01/10/81
Location: STONY CREEK IN JOHNSTOWN, PA. - MILE 1.6 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 4CON12180
RMI-Indexes: 1021500 007720 21670 0500 Within Park Boundary: No
RMI-Miles: 0953.80 0981.00 030.20 026.80
HUC: 05010007 Depth of Water: 25 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER - CONEMAUGH RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 05010007000234.51 RF3 Mile Point: 34.90 Distance from RF3: 0.02 On/Off RF3:
Description:
LOCATED ON STONY CREEK AT THE HICKORY STREET BRIDGE IN JOHNSTOWN, PA. - JOHNSTOWN, PA. QUAD - SAMPLED BY THE U.S. ARMY CORPS OF ENGINEERS, PITTSBURGH, PA.

Parameter Inventory for Station: ALPO0346

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/25/80-04/28/81	5	3.8	4.62	12.4	0.7	20.902	4.572	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/25/80-04/28/81	5	35.	38.32	89.	1.6	1068.112	32.682	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	11/25/80-04/28/81	5	65.	103.	325.	20.	15932.5	126.224	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/25/80-04/28/81	5	365.	390.8	600.	180.	23795.7	154.259	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/25/80-04/28/81	5	11.6	11.54	17.6	6.5	16.398	4.049	**	**	**	**
00400	PH (STANDARD UNITS)	11/25/80-04/28/81	5	5.72	5.44	5.85	4.4	0.37	0.609	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/25/80-04/28/81	5	5.72	5.012	5.85	4.4	0.599	0.774	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/25/80-04/28/81	5	1.905	9.718	39.811	1.413	284.095	16.855	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/25/80-04/28/81	5	5.2	5.44	6.4	5.1	0.293	0.541	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/25/80-04/28/81	5	5.2	5.284	6.4	5.1	0.323	0.569	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/25/80-04/28/81	5	6.31	5.194	7.943	0.398	8.27	2.876	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/25/80-04/28/81	5	2.	9.6	37.	1.	238.3	15.437	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/25/80-04/28/81	5	20.	27.	48.	12.	245.	15.652	**	**	**	**
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	11/25/80-04/28/81	5	0.	0.	0.	0.	0.	0.	**	**	**	**
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	11/25/80-04/28/81	5	20.	27.	48.	12.	245.	15.652	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/25/80-04/28/81	5	241.	344.4	584.	223.	26249.3	162.016	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/25/80-04/28/81	5	229.	284.4	422.	142.	16379.3	127.982	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/25/80-04/28/81	5	24.	60.	162.	12.	3991.5	63.178	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/11/81-04/28/81	3	0.1	0.45	1.2	0.05	0.423	0.65	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/25/80-04/28/81	4	0.55	0.7	1.5	0.2	0.393	0.627	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/11/81-04/28/81	3	1.	1.033	1.3	0.8	0.063	0.252	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/25/80-04/28/81	4	0.045	0.08	0.2	0.03	0.007	0.081	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	02/11/81-04/28/81	3	0.005	0.01	0.02	0.004	0.	0.009	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/25/80-04/28/81	5	146.	156.8	213.	91.	2565.7	50.653	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	11/25/80-04/28/81	5	37.	38.88	52.8	21.	172.232	13.124	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/25/80-04/28/81	5	13.	14.46	21.	9.3	21.008	4.583	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	11/25/80-04/28/81	5	4.	7.788	21.	1.87	62.849	7.928	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	11/25/80-04/28/81	5	0.9	4.4	17.1	0.5	51.48	7.175	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/25/80-04/28/81	5	143.	185.2	275.	120.	5075.2	71.24	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	02/11/81-04/28/81	3	43.	45.	49.	43.	12.	3.464	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/11/81-04/28/81	3	2.	4.533	10.6	1.	27.853	5.278	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/80-04/28/81	5 ##	0.5	0.6	1.	0.5	0.05	0.224	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/25/80-04/28/81	5 ##	0.5	0.8	2.	0.5	0.45	0.671	**	**	**	**

** - Less than 9 observations ## - 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: ALPO0346

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042	COPPER, TOTAL (UG/L AS CU)	11/25/80-04/28/81	5	10.	11.8	17.	9.	10.7	3.271	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/25/80-04/28/81	5	6720.	10246.	31317.	2386.	142320913.5	11929.833	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/25/80-04/28/81	5 ##	1.	3.8	15.	1.	39.2	6.261	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/25/80-04/28/81	5	1380.	3212.6	10864.	855.	18404115.8	4290.002	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	02/11/81-04/28/81	2 ##	27.5	27.5	50.	5.	1012.5	31.82	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/25/80-04/28/81	5	27.	35.2	55.	21.	286.2	16.917	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/25/80-04/28/81	5	170.	186.	226.	145.	1271.5	35.658	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	02/11/81-04/28/81	2 ##	21.5	21.5	38.	5.	544.5	23.335	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/25/80-04/28/81	5	2356.	3488.8	8050.	1926.	6636409.7	2576.123	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/25/80-04/28/81	5	0.05	0.037	0.06	0.01	0.001	0.023	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/25/80-04/28/81	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 time series plot

EPA Water Quality Criteria Analysis for Station: ALPO0346

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	5	1	0.20				4	1	0.25	1	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	5	0	0.00				4	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	5	0	0.00				4	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00				4	4	1.00	1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	5	0	0.00				4	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00				4	4	1.00	1	1	1.00			
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	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	0.2	3	0	0.00				2	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	1	0.20				4	1	0.25	1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00				2	0	0.00	1	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	4.	3	1	0.33				2	1	0.50	1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00				4	0	0.00	1	0	0.00			
		Drinking Water	5.	5	0	0.00				4	0	0.00	1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00				4	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00				4	0	0.00	1	0	0.00			
		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	1	0.20				4	1	0.25	1	0	0.00			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	2.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00				4	0	0.00	1	0	0.00			
		Drinking Water	100.	5	0	0.00				4	0	0.00	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	5	5	1.00				4	4	1.00	1	1	1.00			
		Drinking Water	5000.	5	0	0.00				4	0	0.00	1	0	0.00			
01097	ANTIMONY, TOTAL	Fresh Acute	88.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	6.	2	1	0.50				1	0	0.00	1	1	1.00			

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

Station Inventory for Station: ALPO0347

NPS Station ID: ALPO0347
LAT/LON: 40.387032/ -78.918587
Agency: 11NPSWRD
Date Created: 10/17/98
Location: LAUREL RUN LAR-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_LAR-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE VINTONDALE PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE LAUREL RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0347

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/28/94-05/28/94	1	12.3	12.3	12.3	12.3	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	05/28/94-05/28/94	1	53.	53.	53.	53.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/94-05/28/94	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/28/94-05/28/94	1	345.	345.	345.	345.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/28/94-05/28/94	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/28/94-05/28/94	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/28/94-05/28/94	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/28/94-05/28/94	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/28/94-05/28/94	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/28/94-05/28/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/28/94-05/28/94	1	104.	104.	104.	104.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/28/94-05/28/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/28/94-05/28/94	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/28/94-05/28/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/28/94-05/28/94	1	20.9	20.9	20.9	20.9	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/28/94-05/28/94	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/28/94-05/28/94	1	5.	5.	5.	5.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	05/28/94-05/28/94	1	204.	204.	204.	204.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	05/28/94-05/28/94	1	134.	134.	134.	134.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0347

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0348

NPS Station ID: ALPO0348
LAT/LON: 40.293615/ -78.918893
Agency: 21PA
Date Created: 04/19/77
Location: STONY CRK-RTE 53 BR-FERNDALE
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): WQN0817 /03040000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: STONY CREEK
ECO Region:
RF1 Index: 05010007003
RF1 Mile Point: 3.130
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05010007001000.00
RF3 Mile Point: 0.77
Distance from RF3: 0.02
On/Off RF3:
Description:
STONY CREEK, IN JOHNSTOWN, PA, CAMBRIA CO., (JOHNSTOWN 7.5, 7-8.3), PA 403 BRIDGE BETWEEN MAXHAM SECTION OF JOHNSTOWN AND FERNDALE BOROUGH JUST WEST OF SCM GLIDDEN-DURKEE PLANT AND 0.4 MILES UPSTREAM FROM US STEEL PLANT. SAMPLING FREQUENCY: MONTHLY CHEMICAL.

Parameter Inventory for Station: ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	172	11.	11.172	27.	-4.6	66.404	8.149	1.	5.	18.3	21.85
00060p	FLOW, STREAM, MEAN DAILY CFS	03/31/50-09/05/78	136	302.5	673.449	7250.	15.	1360706.605	1166.493	48.1	101.25	701.75	1479.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-12/01/87	105	386.	714.743	9000.	63.	1110985.827	1054.033	91.6	155.5	964.	1798.
00065	STAGE, STREAM (FEET)	06/06/74-12/01/87	132	3.285	3.492	8.25	1.15	1.103	1.05	2.4	2.7	4.095	4.961
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/28/62-10/04/77	69	11.	19.058	250.	1.	998.754	31.603	4.5	5.	20.	35.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/16/77-12/08/82	56	20.	32.511	450.	0.5	3818.198	61.792	6.75	15.	30.	45.
00080	COLOR (PLATINUM-COBALT UNITS)	06/28/62-05/18/78	41	0.	2.805	25.	0.	23.498	4.848	0.	0.	5.	10.
00086	ODOR (THRESHOLD NUMBER AT 60 DEG C)	07/08/70-03/01/72	4	17.5	18.	27.	10.	86.	9.274	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	151	410.	473.689	1250.	15.	53450.069	231.193	240.	305.	600.	833.
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	167	10.2	10.422	17.	4.	6.17	2.484	7.5	8.8	12.	13.92
00310	BOD, 5 DAY, 20 DEG C MG/L	06/28/62-12/12/77	38	1.6	2.616	32.	0.	26.412	5.139	0.4	0.975	2.2	3.87
00400p	PH (STANDARD UNITS)	06/28/62-12/01/87	153	4.7	4.731	7.42	0.45	1.066	1.033	3.44	4.005	5.3	6.
00400p	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	153	4.7	2.607	7.42	0.45	5.607	2.368	3.44	4.005	5.3	6.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	153	19.953	2470.723	354813.389	0.038822788088.068	28684.283	1.	5.012	98.862	365.355	
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	232	4.3	4.324	6.7	2.8	0.594	0.771	3.33	3.7	4.8	5.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	232	4.3	3.819	6.7	2.8	0.85	0.922	3.33	3.7	4.8	5.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	232	50.119	151.772	1584.893	0.2	58378.431	241.616	6.31	15.849	199.526	470.263
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	171	2.	3.621	80.	0.	46.935	6.851	0.	1.	5.	7.8
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/08/70-07/08/70	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00436p	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	07/28/50-09/05/85	100	8.	12.57	100.	0.	267.844	16.366	0.	1.	17.5	31.8
00437p	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	03/31/50-10/04/77	104	57.	72.846	288.	4.	2736.597	52.312	24.	34.	93.5	150.
00500	RESIDUE, TOTAL (MG/L)	06/28/62-09/08/80	53	386.	453.075	1130.	146.	59591.225	244.113	208.4	270.	575.	886.4
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/70-12/01/87	133	340.	391.692	1330.	38.	49684.154	222.899	172.	226.	505.	704.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	102	20.	36.	632.	2.	5430.198	73.69	4.3	10.	36.5	56.8
00545	RESIDUE, SETTLEABLE (ML/L)	12/12/77-05/18/78	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/72-01/07/88	152	0.22	0.294	2.31	0.02	0.076	0.276	0.1	0.143	0.36	0.597
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	153	0.008	0.011	0.058	0.001	0.	0.011	0.002	0.004	0.016	0.026
00619	AMMONIA, UNIONIZED (CALC FR TEMP-PH-NH4) (MG/L)	04/08/82-04/08/82	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	153	0.9	1.096	34.	0.28	7.27	2.696	0.43	0.64	1.12	1.298
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	02/15/67-03/12/71	15	0.	0.009	0.05	0.	0.	0.017	0.	0.	0.02	0.044
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/72-01/07/88	149	0.06	0.096	0.85	0.005	0.014	0.119	0.03	0.04	0.09	0.16
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/08/75-01/07/88	38	2.1	2.455	9.	0.5	2.928	1.711	0.5	1.	3.25	4.1
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	03/08/82-01/07/88	62 ##	0.5	1.984	23.	0.001	20.605	4.539	0.001	0.001	1.	5.7

** - 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: ALPO0348

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	01/05/76-01/07/88	128	0.003	0.015	0.33	0.001	0.001	0.038	0.001	0.001	0.01	0.041
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	192	184.	212.849	612.	63.	13619.071	116.701	94.6	121.25	279.	389.4
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/16/72-10/04/77	29	36.	44.717	90.4	21.6	427.353	20.673	21.6	30.	55.6	82.4
00916	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	121	40.2	46.729	160.	3.6	679.962	26.076	21.	28.3	57.6	87.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/16/72-10/04/77	28	16.5	19.711	51.	0.	214.088	14.632	2.3	7.875	26.475	43.4
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	119	17.8	19.678	69.	0.	131.163	11.453	8.5	11.	26.9	35.8
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	190	10.	10.653	46.	4.	22.08	4.699	6.	8.	12.	15.
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	230	185.5	233.83	1075.	34.	26098.377	161.55	88.2	120.75	295.5	431.8
00951	FLUORIDE, TOTAL (MG/L AS F)	07/08/70-07/08/70	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00997	ARSENIC, INORGANIC TOT (UG/L AS AS)	06/06/74-06/06/74	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	12/06/79-09/23/86	7 ##	2.5	3.071	5.	2.	1.786	1.336	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/06/74-09/24/87	13 ##	1.	1.385	5.	0.5	1.663	1.29	0.5	0.5	1.5	4.2
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/06/74-09/24/87	13 ##	5.	7.769	35.	2.	75.192	8.671	2.	3.5	10.	25.
01042	COPPER, TOTAL (UG/L AS CU)	06/06/74-01/07/88	14	25.	31.	60.	10.	275.538	16.599	10.	19.75	42.5	60.
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	230	3330.	4733.074	66000.	280.	34903999.457	5907.961	1246.	2217.5	4820.	8839.
01051	LEAD, TOTAL (UG/L AS PB)	06/06/74-01/07/88	14 ##	15.	22.25	110.	2.	782.029	27.965	2.	5.125	25.	76.5
01055	MANGANESE, TOTAL (UG/L AS MN)	07/08/70-01/07/88	17	2160.	1995.235	3350.	19.	663385.941	814.485	803.8	1505.	2470.	3070.
01067	NICKEL, TOTAL (UG/L AS NI)	06/06/74-01/07/88	14	120.	102.321	180.	5.	3102.37	55.699	5.	78.125	140.	165.
01092	ZINC, TOTAL (UG/L AS ZN)	06/06/74-01/07/88	14	240.	254.571	660.	124.	16283.341	127.606	132.	190.	275.	475.
01105p	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	159	3500.	5120.226	41000.	0.	28032882.834	5294.609	1590.	2240.	6000.	10000.
01501	ALPHA, TOTAL	06/17/64-12/03/70	27	1.	1.556	8.	0.5	2.91	1.706	0.5	0.5	1.5	3.4
03501	BETA, TOTAL	06/17/64-12/03/70	27	4.	20.315	425.	1.5	6550.445	80.935	1.5	3.	7.	11.4
31507	COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508)	06/28/62-03/12/71	32	170.	437.781	2400.	0.	407738.305	638.544	0.	5.	715.	1300.
31507	LOG COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 3150	06/28/62-03/12/71	32	2.23	1.867	3.38	0.	1.406	1.186	0.	0.325	2.846	3.114
31507	GM COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508	GEOMETRIC MEAN =			73.68								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	294 ##	30.	185.981	6000.	2.	452207.724	672.464	7.	10.	50.	355.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	294 ##	1.477	1.531	3.778	0.301	0.439	0.663	0.827	1.	1.699	2.548
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			33.971								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/05/76-01/07/88	122	0.	8.082	406.	0.	1615.382	40.192	0.	0.	3.	11.
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	07/08/70-07/08/70	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/01/71-03/01/72	2	0.137	0.137	0.174	0.1	0.003	0.052	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	118	31.	41.441	261.	0.	1366.368	36.964	9.9	20.	50.5	80.2
71900	MERCURY, TOTAL (UG/L AS HG)	06/06/74-09/23/86	8 ##	1.	1.063	2.5	0.5	0.388	0.623	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/08/70-07/08/70	1	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/04/82-12/01/87	63	9.2	19.997	200.	1.2	1322.211	36.362	2.04	4.5	19.	34.6

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

EPA Water Quality Criteria Analysis for Station: ALPO0348

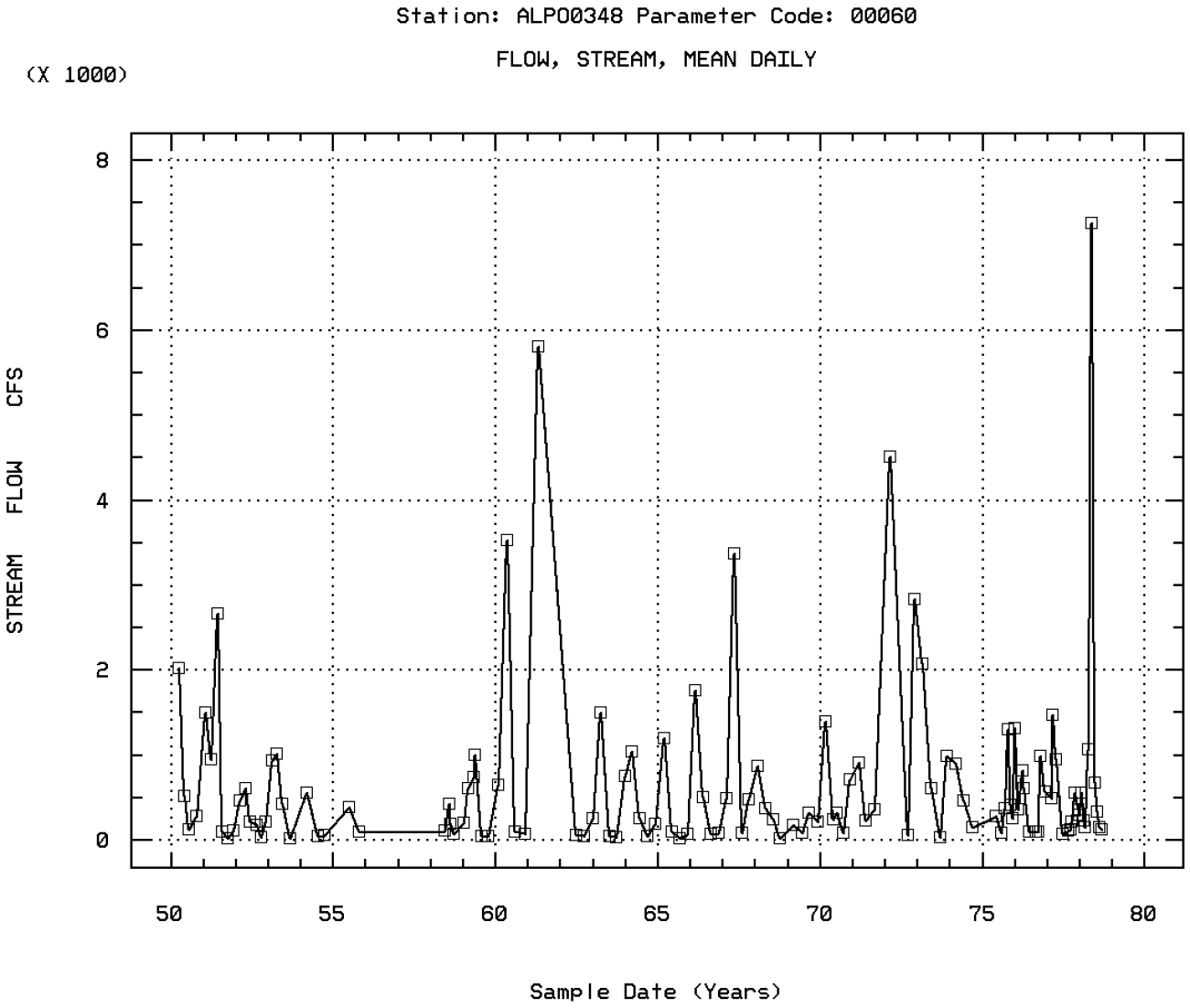
Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	69	4	0.06	22	0	0.00	27	2	0.07	20	2	0.10			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	56	4	0.07	12	0	0.00	27	2	0.07	17	2	0.12			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	167	3	0.02	46	1	0.02	66	1	0.02	55	1	0.02			
00400	PH	Fresh Chronic	9.	153	0	0.00	43	0	0.00	63	0	0.00	47	0	0.00			
		Other-Lo Lim.	6.5	152 &	141	0.93	42	39	0.93	63	58	0.92	47	44	0.94			
00403	PH, LAB	Fresh Chronic	9.	232	0	0.00	66	0	0.00	92	0	0.00	74	0	0.00			
		Other-Lo Lim.	6.5	232	230	0.99	66	65	0.98	92	91	0.99	74	74	1.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	153	0	0.00	41	0	0.00	64	0	0.00	48	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	153	1	0.01	41	0	0.00	64	0	0.00	48	1	0.02			
00719	CYANIDE, FREE,IN WATER&WASTEWATERS, HBG	Fresh Acute	22.	62	1	0.02	17	0	0.00	22	1	0.05	23	0	0.00			
		Drinking Water	200.	62	0	0.00	17	0	0.00	22	0	0.00	23	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	128	17	0.13	31	2	0.06	55	8	0.15	42	7	0.17			
		Drinking Water	0.2	128	1	0.01	31	0	0.00	55	0	0.00	42	1	0.02			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	190	0	0.00	52	0	0.00	79	0	0.00	59	0	0.00			
		Drinking Water	250.	190	0	0.00	52	0	0.00	79	0	0.00	59	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	230	74	0.32	66	45	0.68	91	14	0.15	73	15	0.21			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
00997	ARSENIC, INORGANIC TOT	Fresh Acute	360.	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: ALPO0348

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01002	ARSENIC, TOTAL	Fresh Acute	360.	7	0	0.00	6	0	0.00	1	0	0.00						
		Drinking Water	50.	7	0	0.00	6	0	0.00	1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	12 &	0	0.00	9	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	5.	12 &	0	0.00	9	0	0.00	2	0	0.00	1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	13	0	0.00	10	0	0.00	2	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	10 &	8	0.80	7	6	0.86	2	1	0.50	1	1	1.00			
		Drinking Water	1300.	14	0	0.00	10	0	0.00	3	0	0.00	1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	14	1	0.07	10	1	0.10	3	0	0.00	1	0	0.00			
		Drinking Water	15.	10 &	3	0.30	8	3	0.38	2	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	14	0	0.00	10	0	0.00	3	0	0.00	1	0	0.00			
		Drinking Water	100.	14	11	0.79	10	9	0.90	3	2	0.67	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	14	14	1.00	10	10	1.00	3	3	1.00	1	1	1.00			
		Drinking Water	5000.	14	0	0.00	10	0	0.00	3	0	0.00	1	0	0.00			
31507	COLIFORM, TOTAL, MPN	Other-Hi Lim.	1000.	32	4	0.13	9	0	0.00	14	3	0.21	9	1	0.11			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	294	43	0.15	79	5	0.06	127	23	0.18	88	15	0.17			
71900	MERCURY, TOTAL	Fresh Acute	2.4	7 &	0	0.00	6	0	0.00	1	0	0.00						
		Drinking Water	2.	7 &	0	0.00	6	0	0.00	1	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	63	4	0.06	17	0	0.00	23	3	0.13	23	1	0.04			

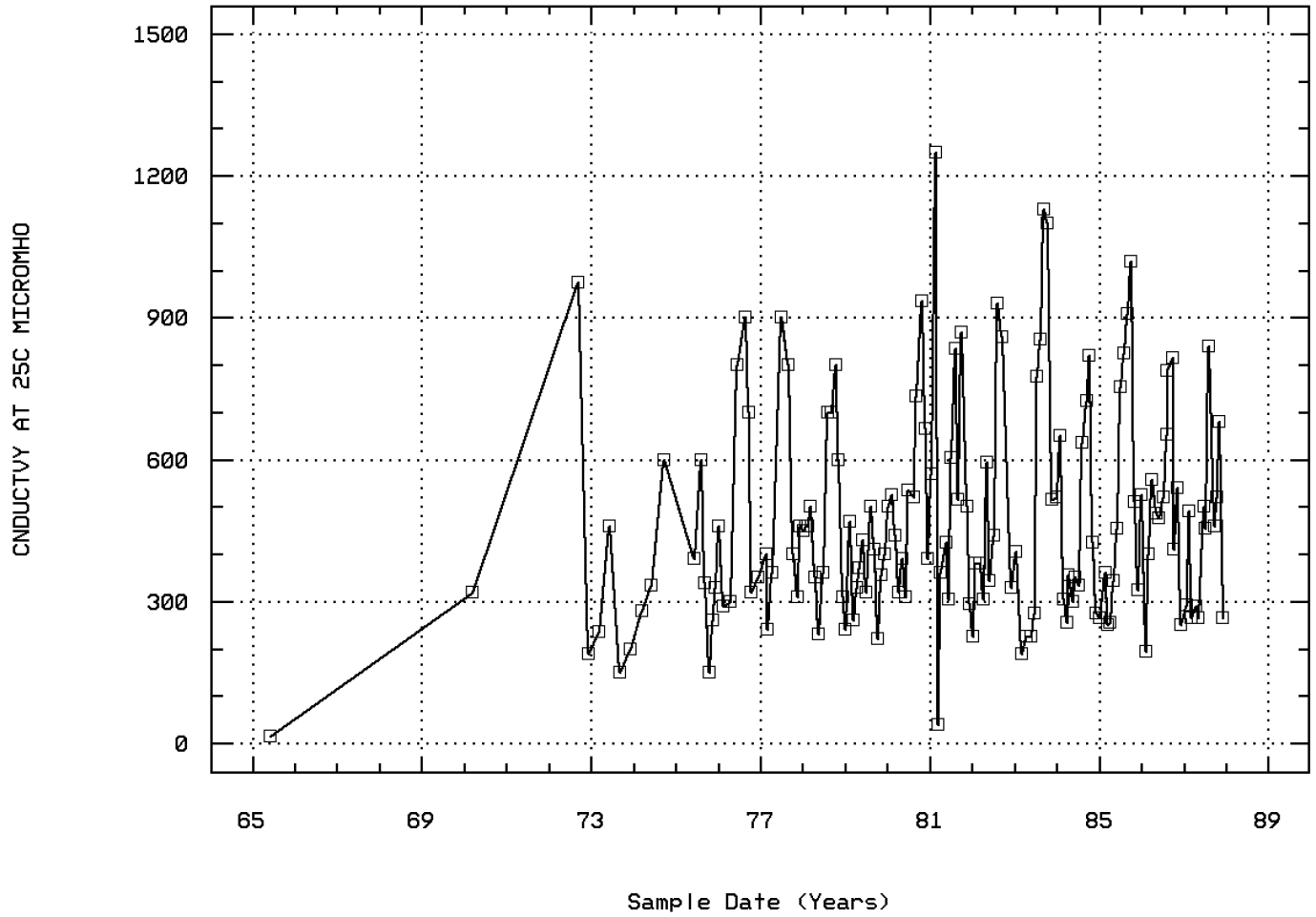
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



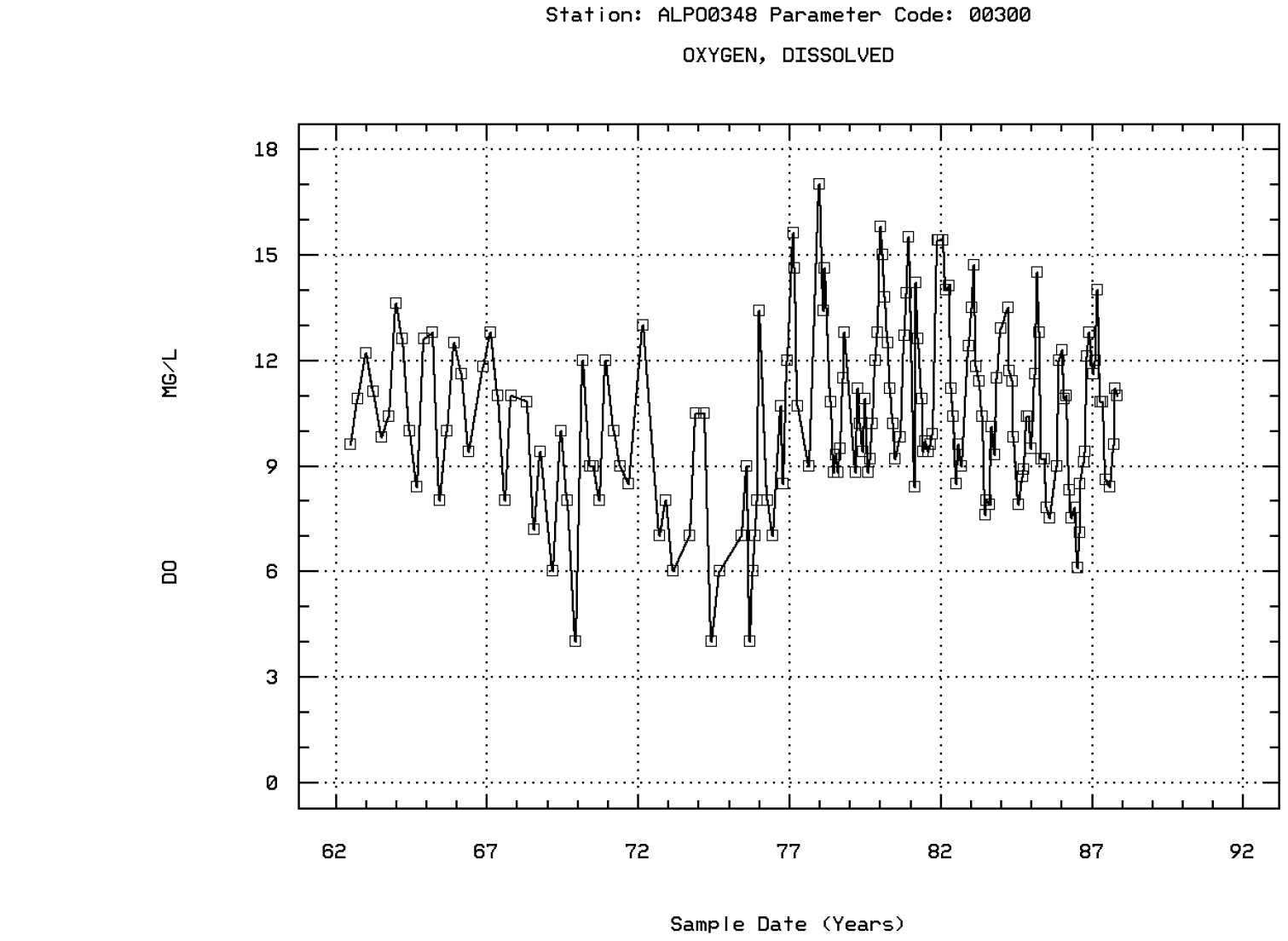
STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00095

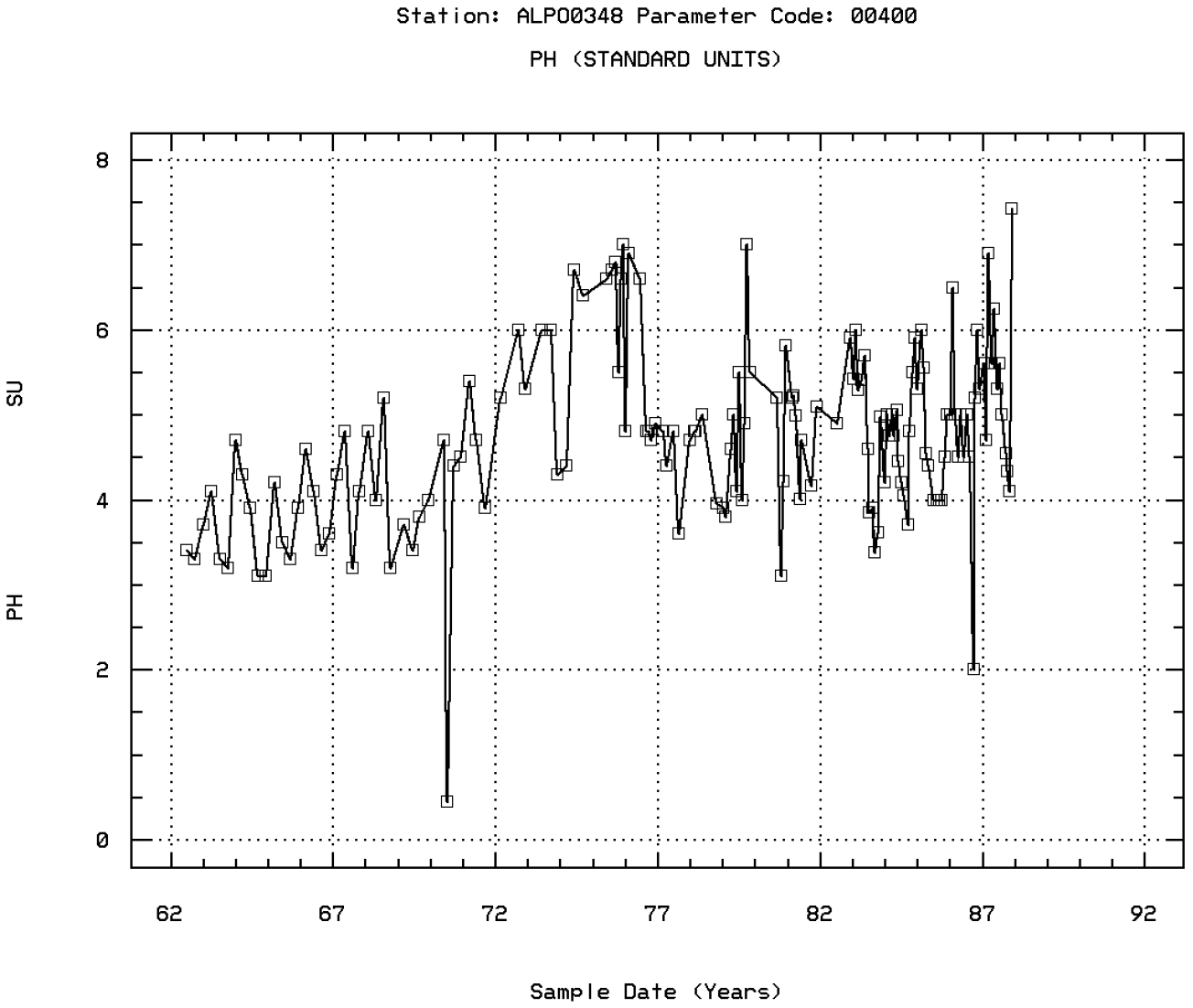
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



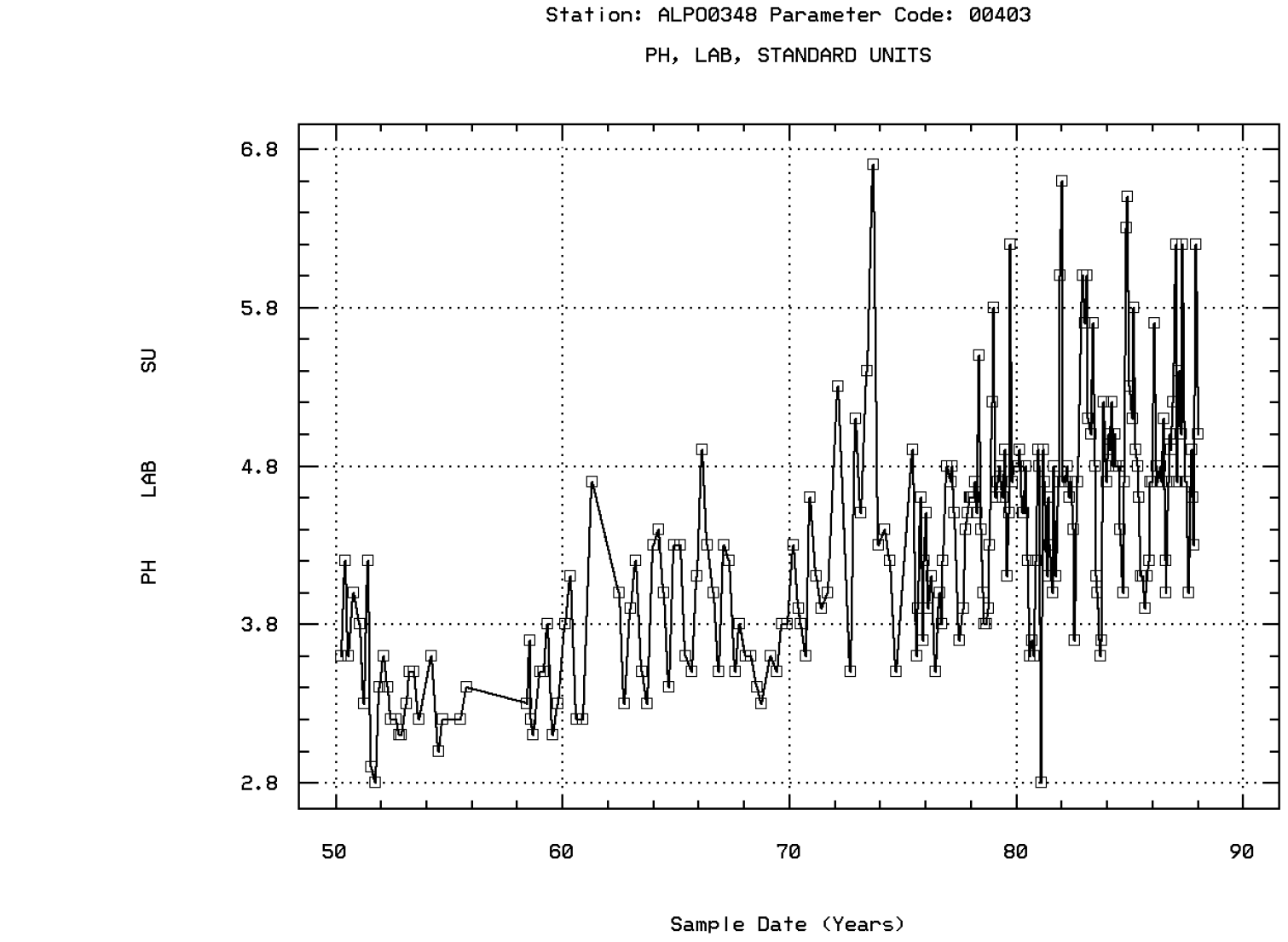
STONY CRK-RTE 53 BR-FERNDALE



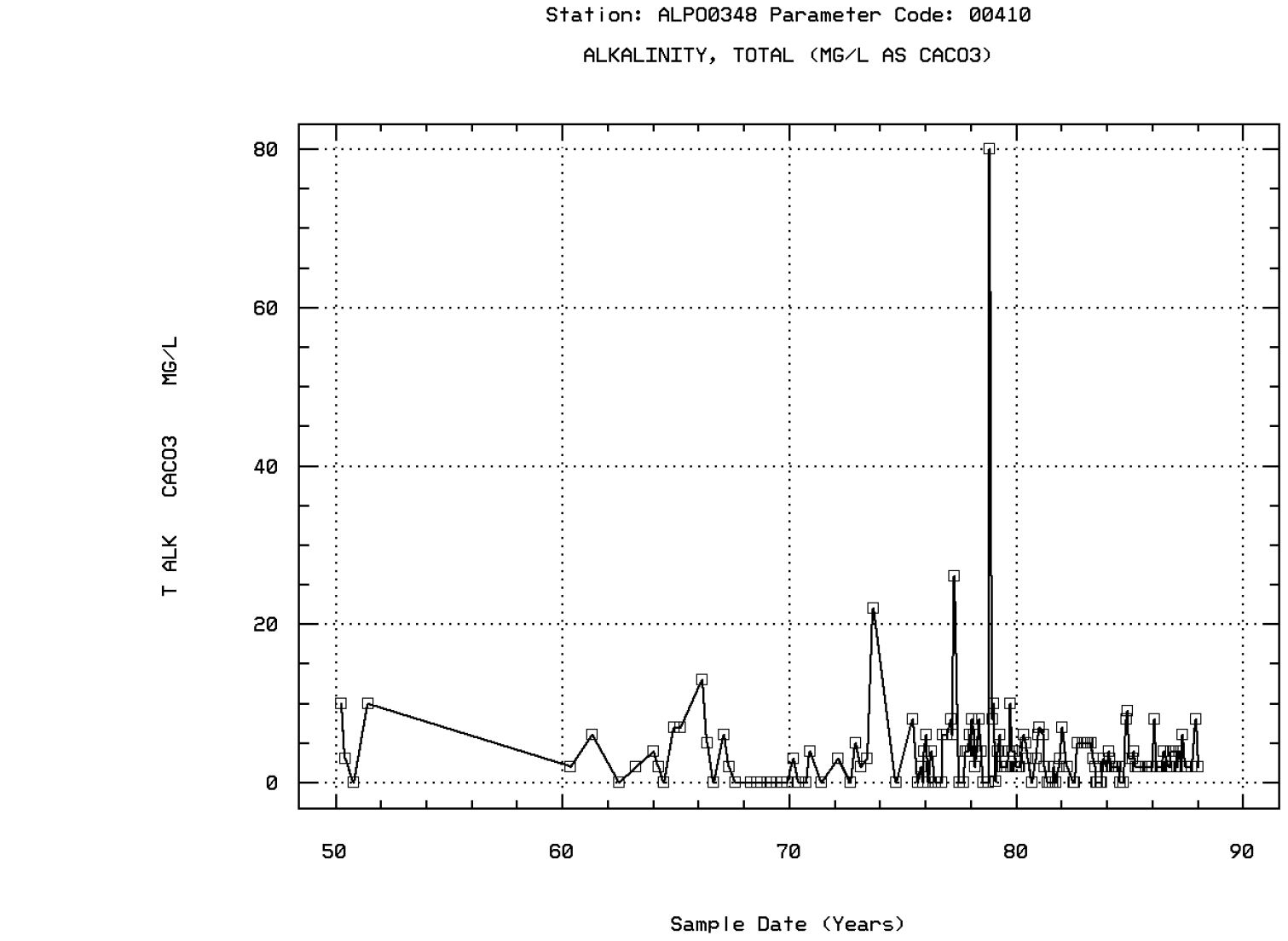
STONY CRK-RTE 53 BR-FERNDALE



STONY CRK-RTE 53 BR-FERNDALE



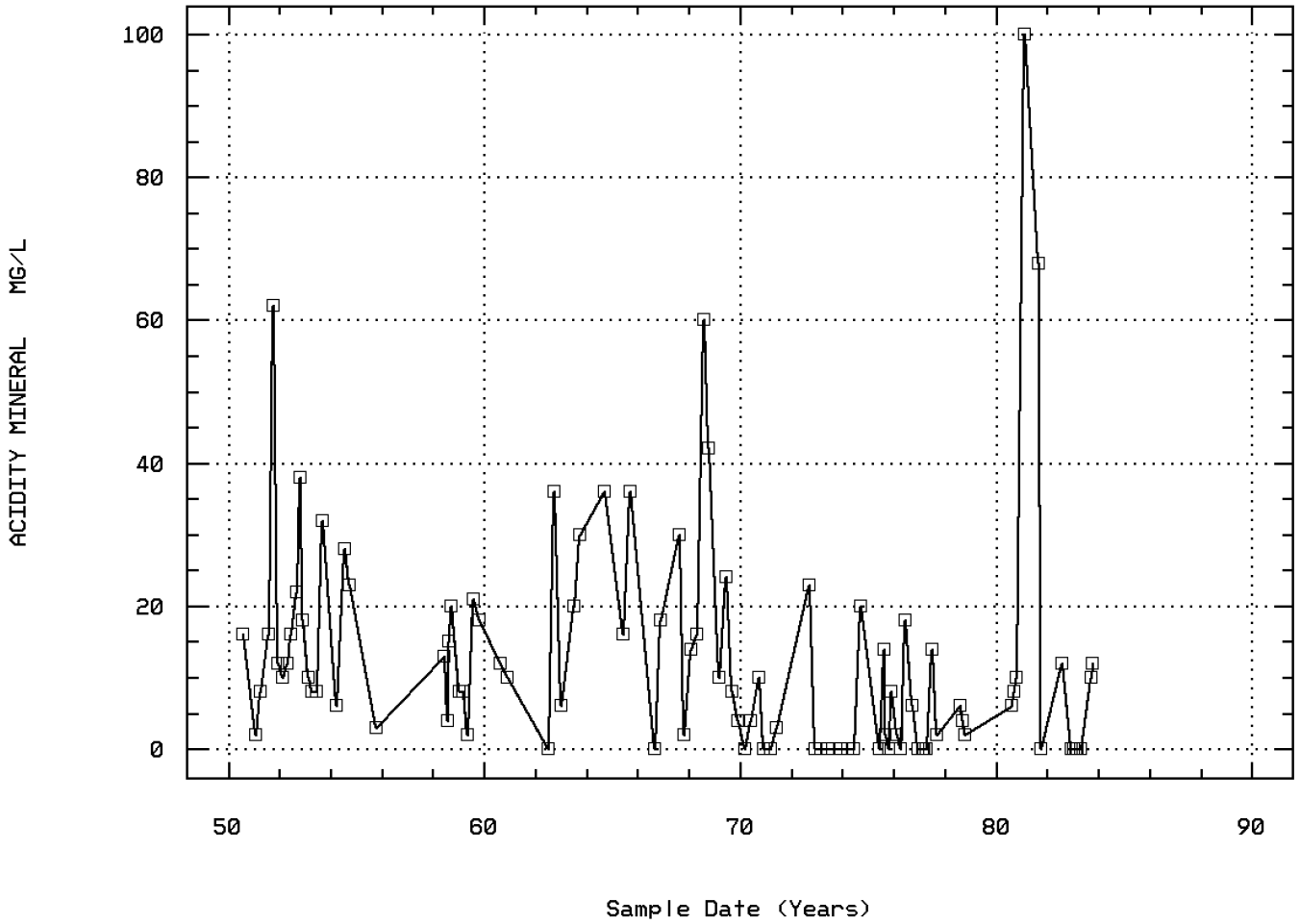
STONY CRK-RTE 53 BR-FERNDALE



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00436

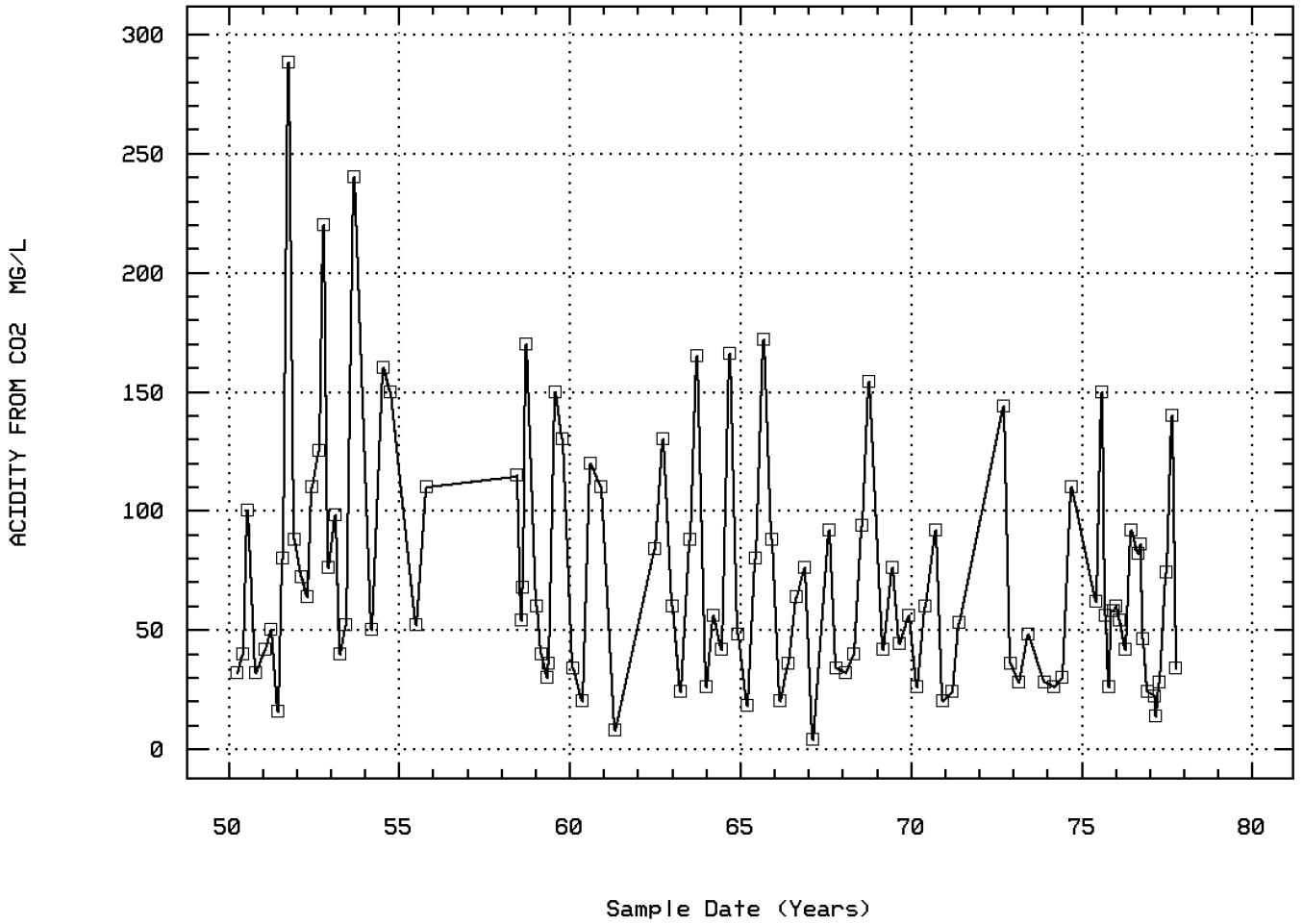
ACIDITY, MINERAL (METHYL ORANGE) (MG/L



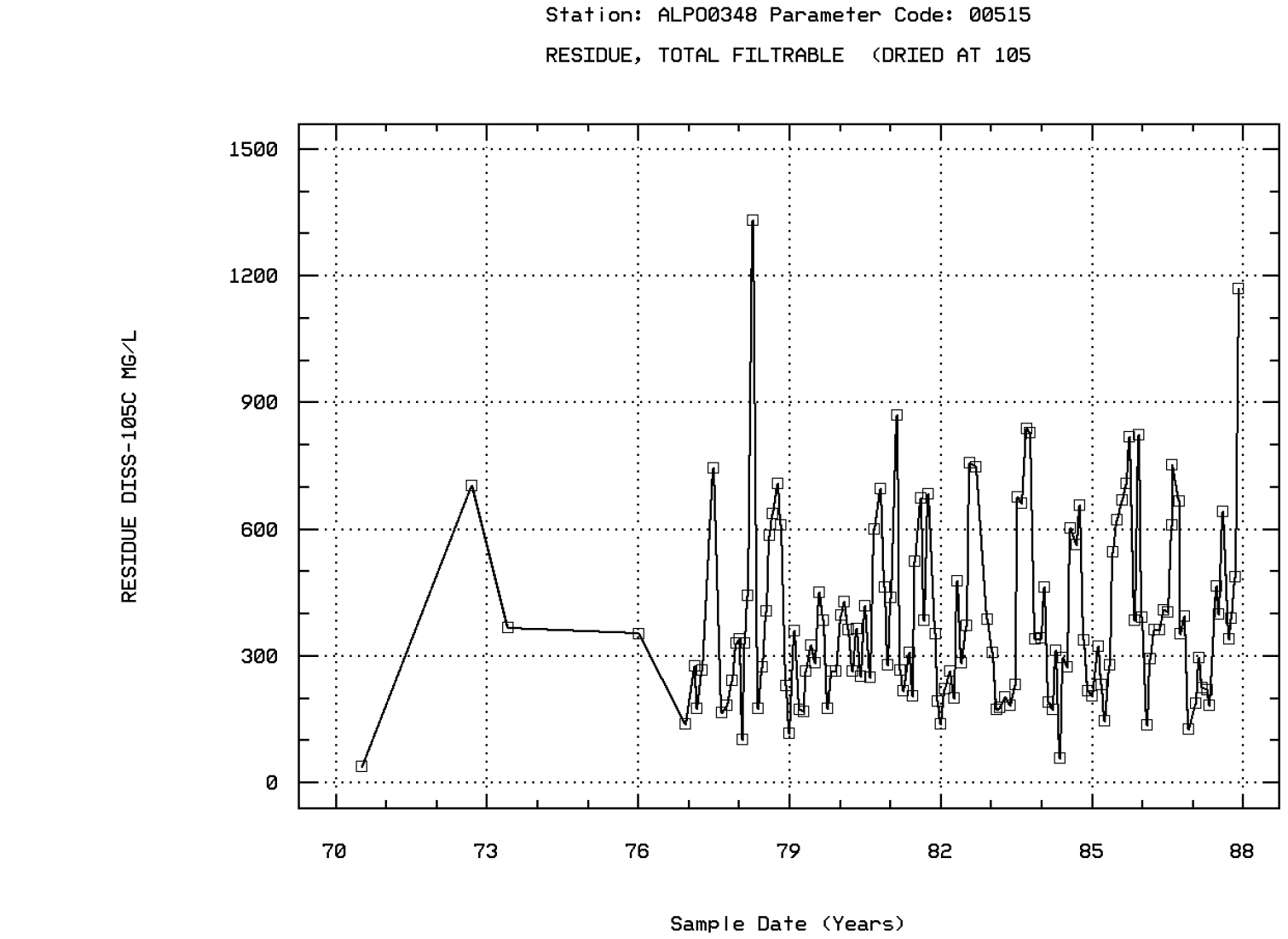
STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00437

ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS



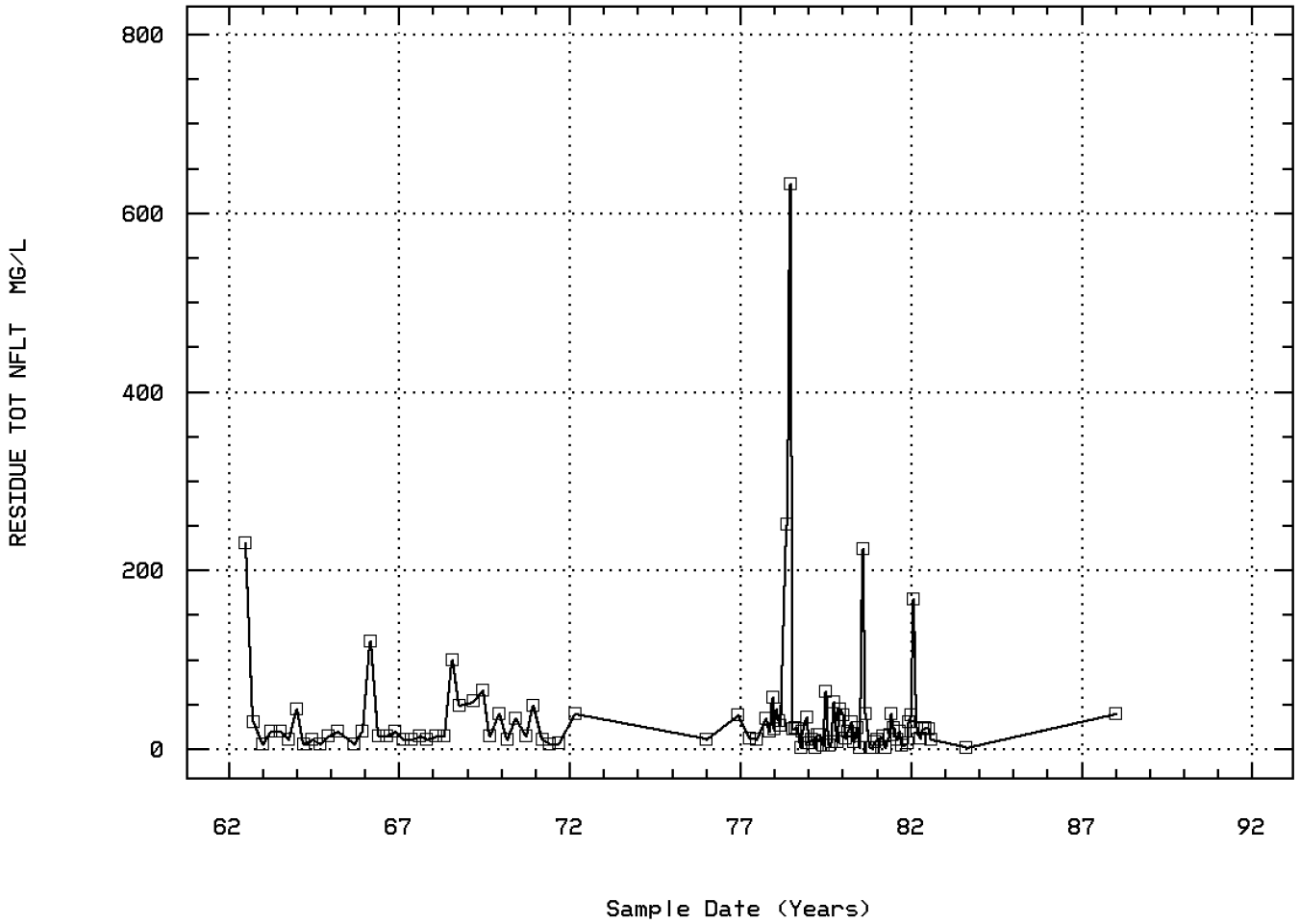
STONY CRK-RTE 53 BR-FERNDALE



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00530

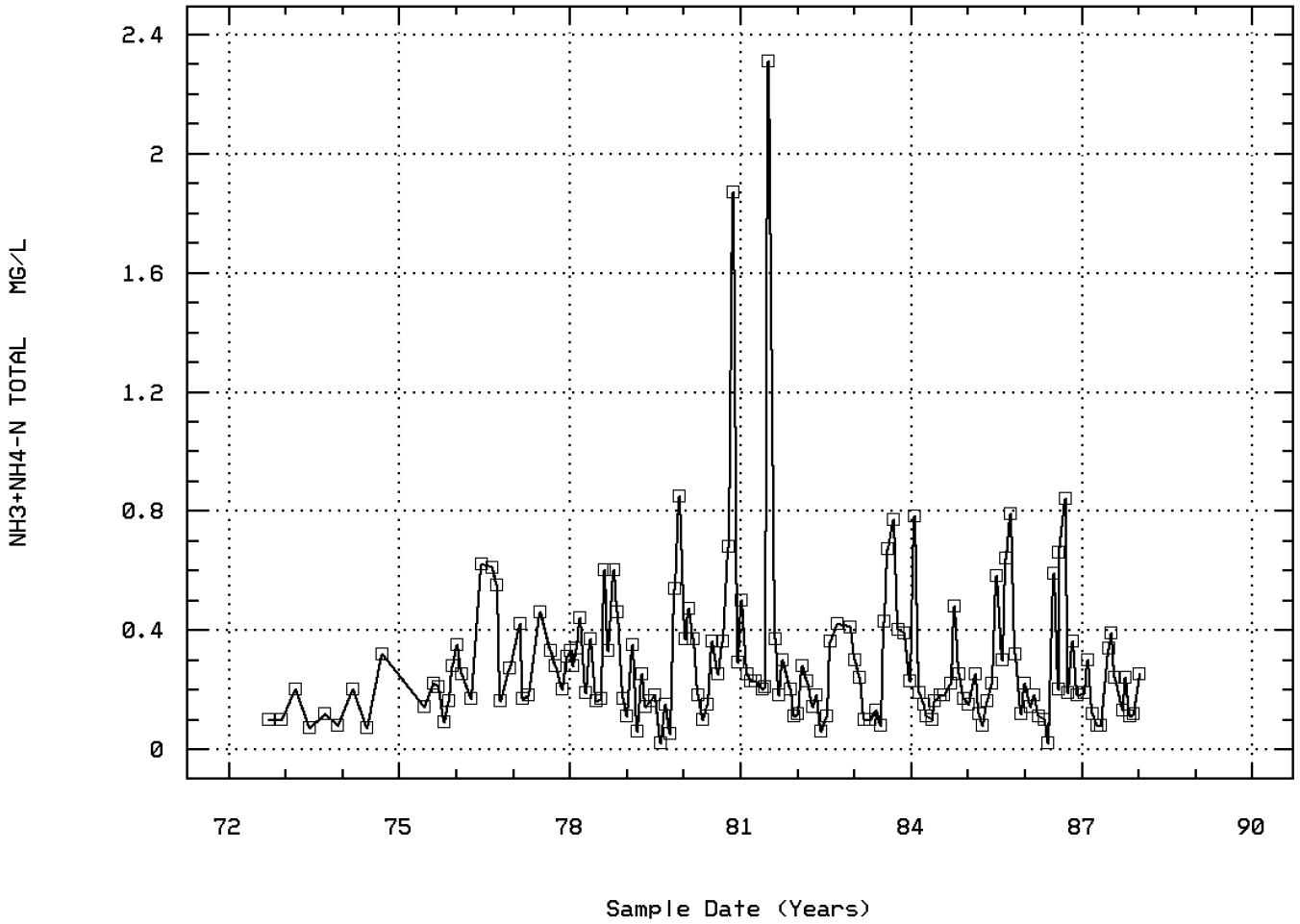
RESIDUE, TOTAL NONFILTRABLE (MG/L)



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00610

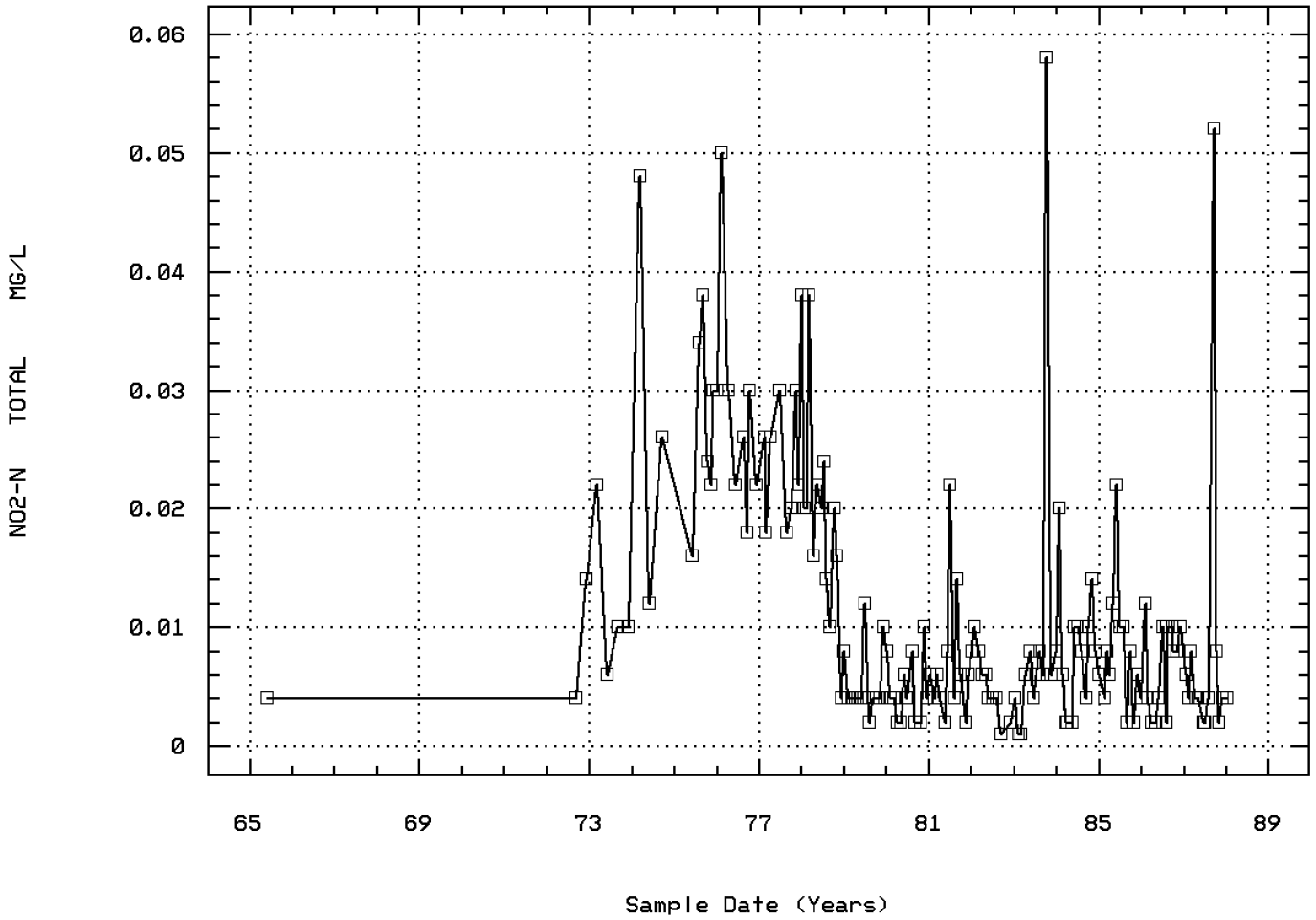
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00615

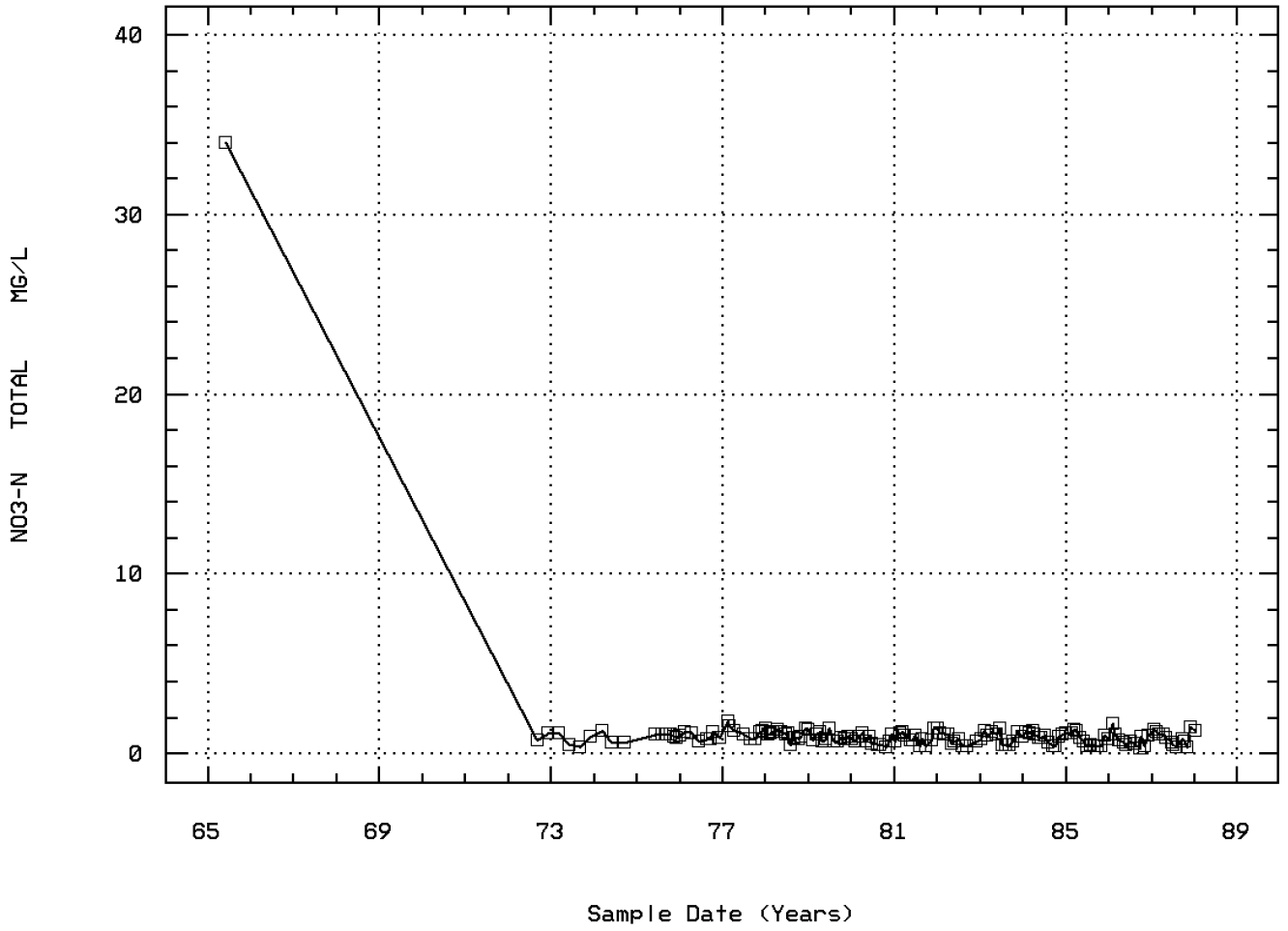
NITRITE NITROGEN, TOTAL (MG/L AS N)



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00620

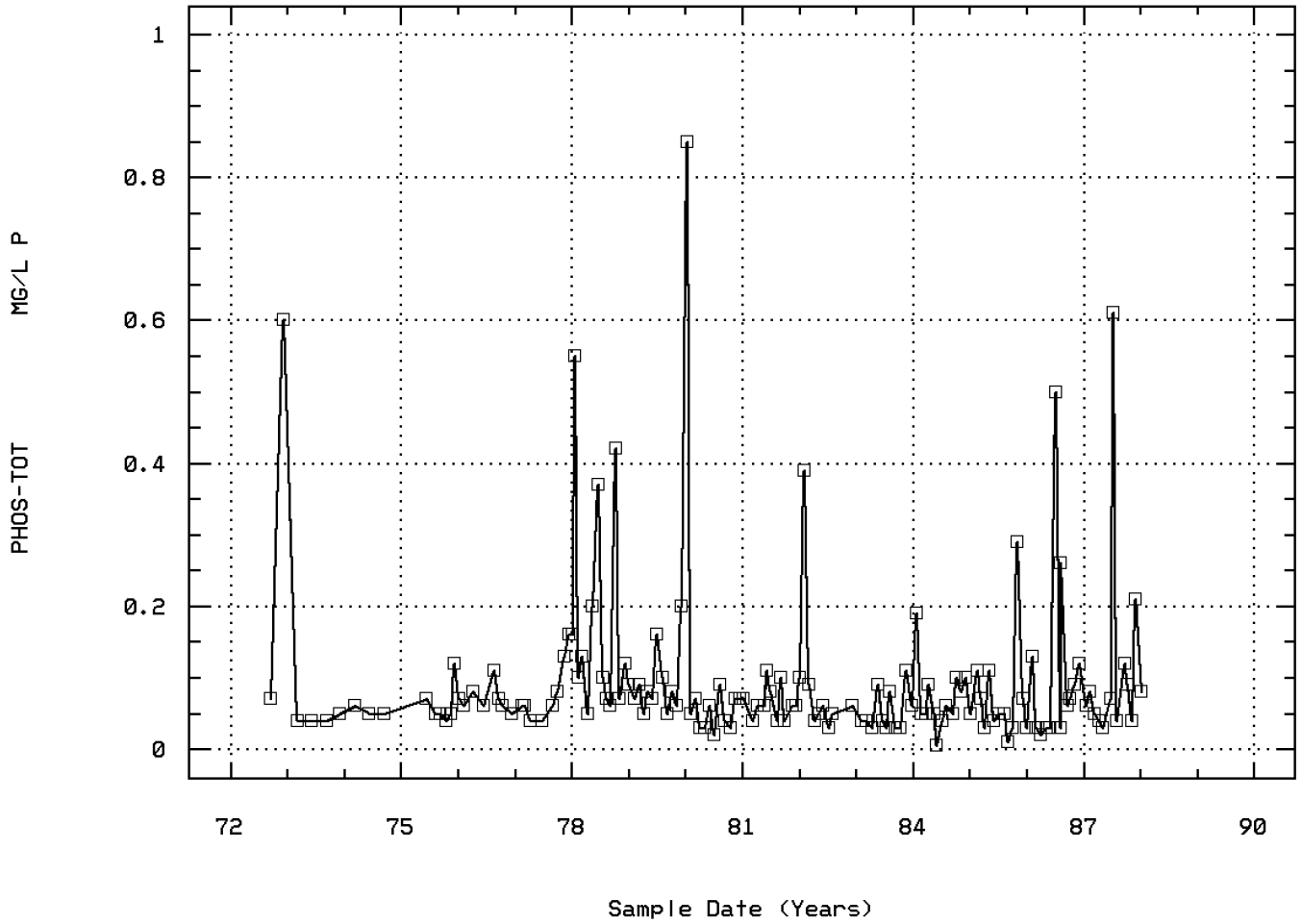
NITRATE NITROGEN, TOTAL (MG/L AS N)



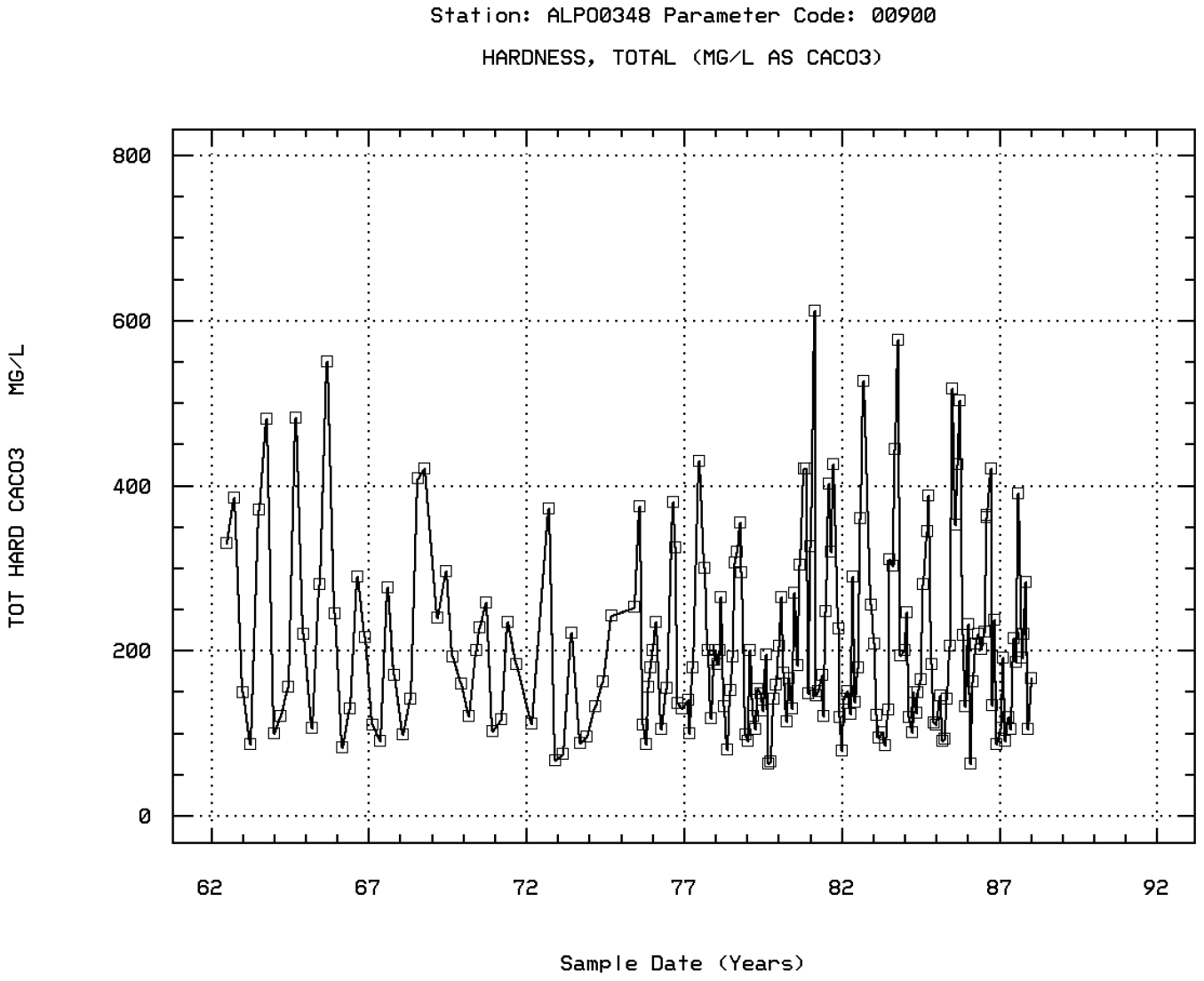
STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00665

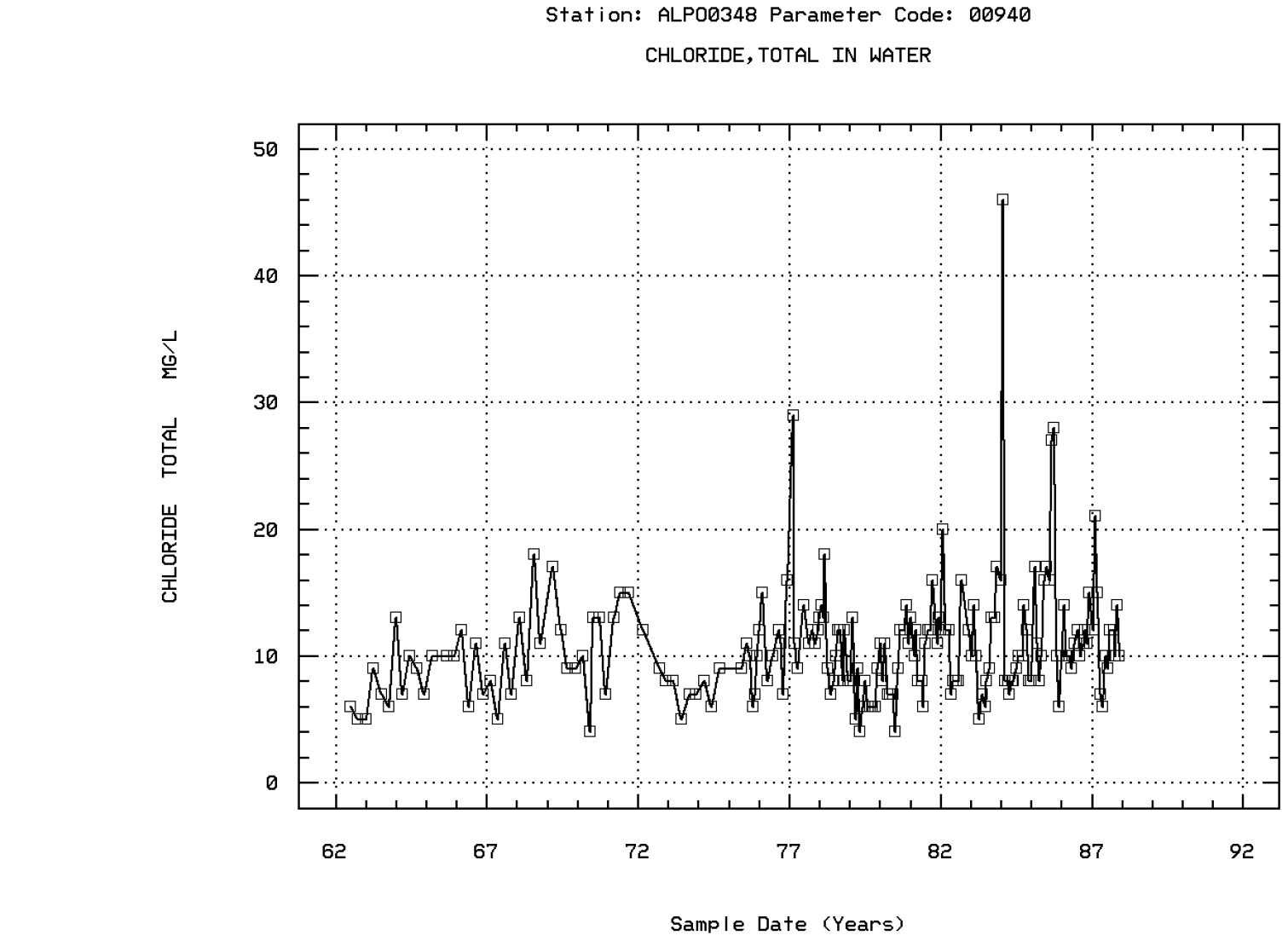
PHOSPHORUS, TOTAL (MG/L AS P)



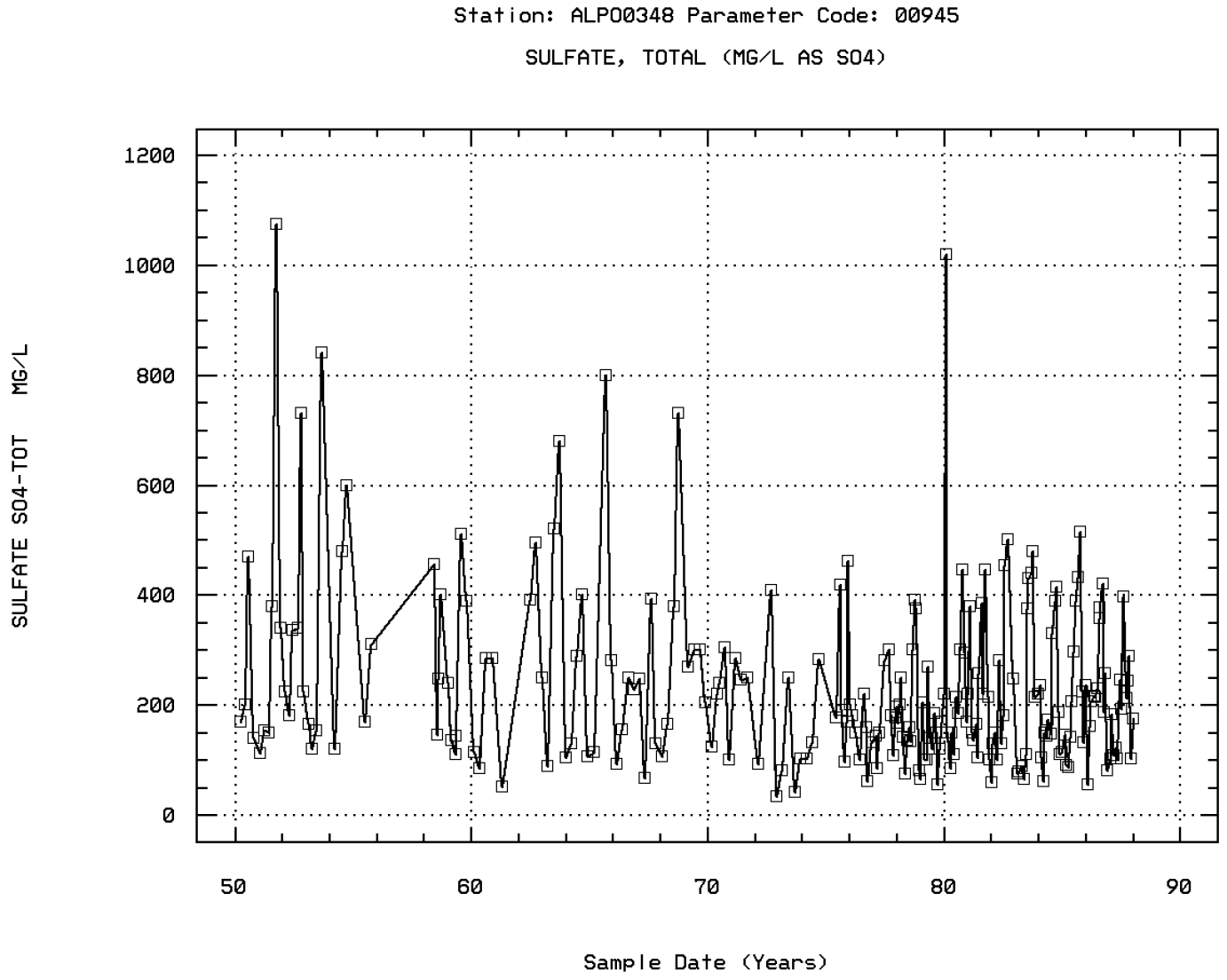
STONY CRK-RTE 53 BR-FERNDALE



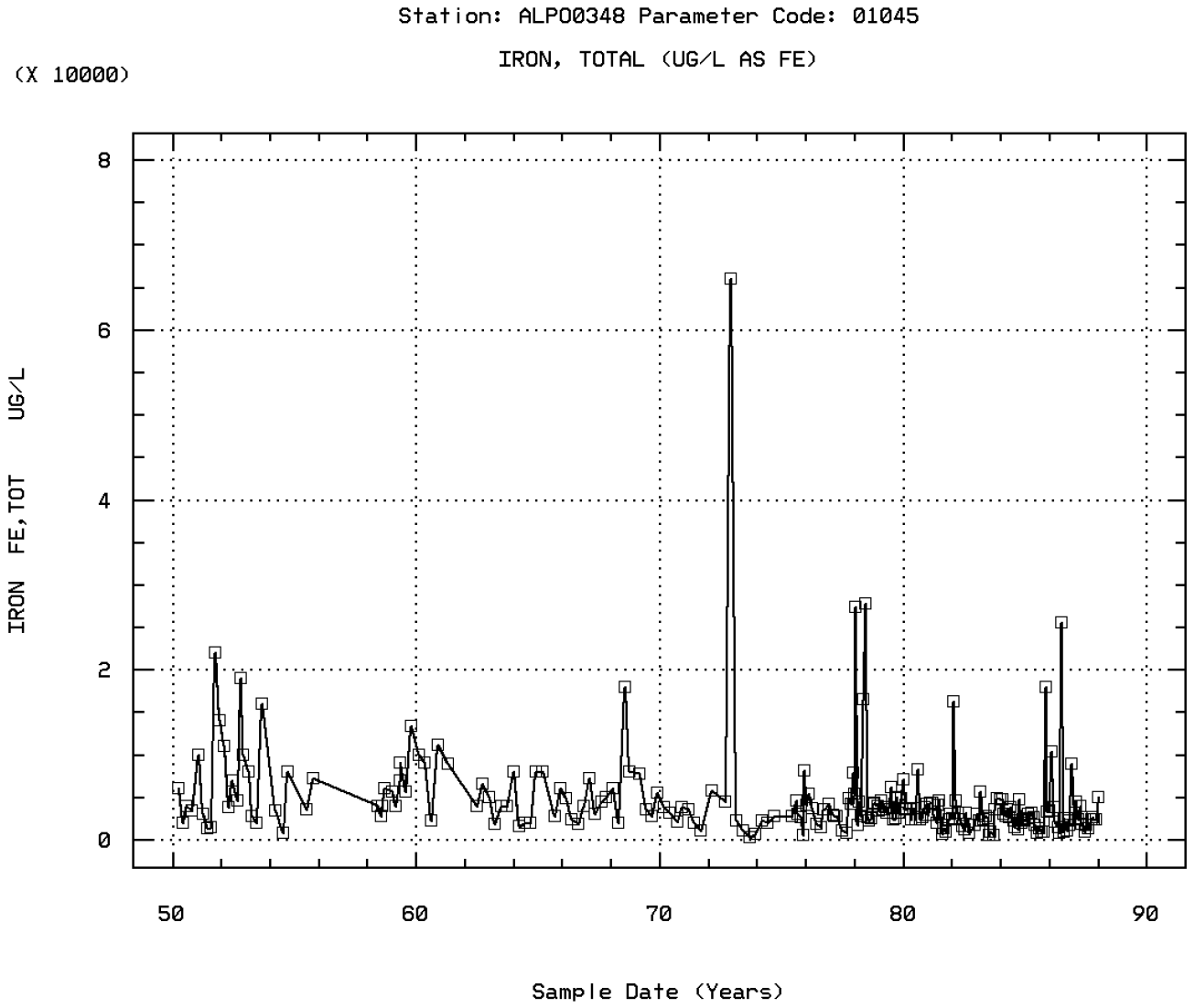
STONY CRK-RTE 53 BR-FERNDALE



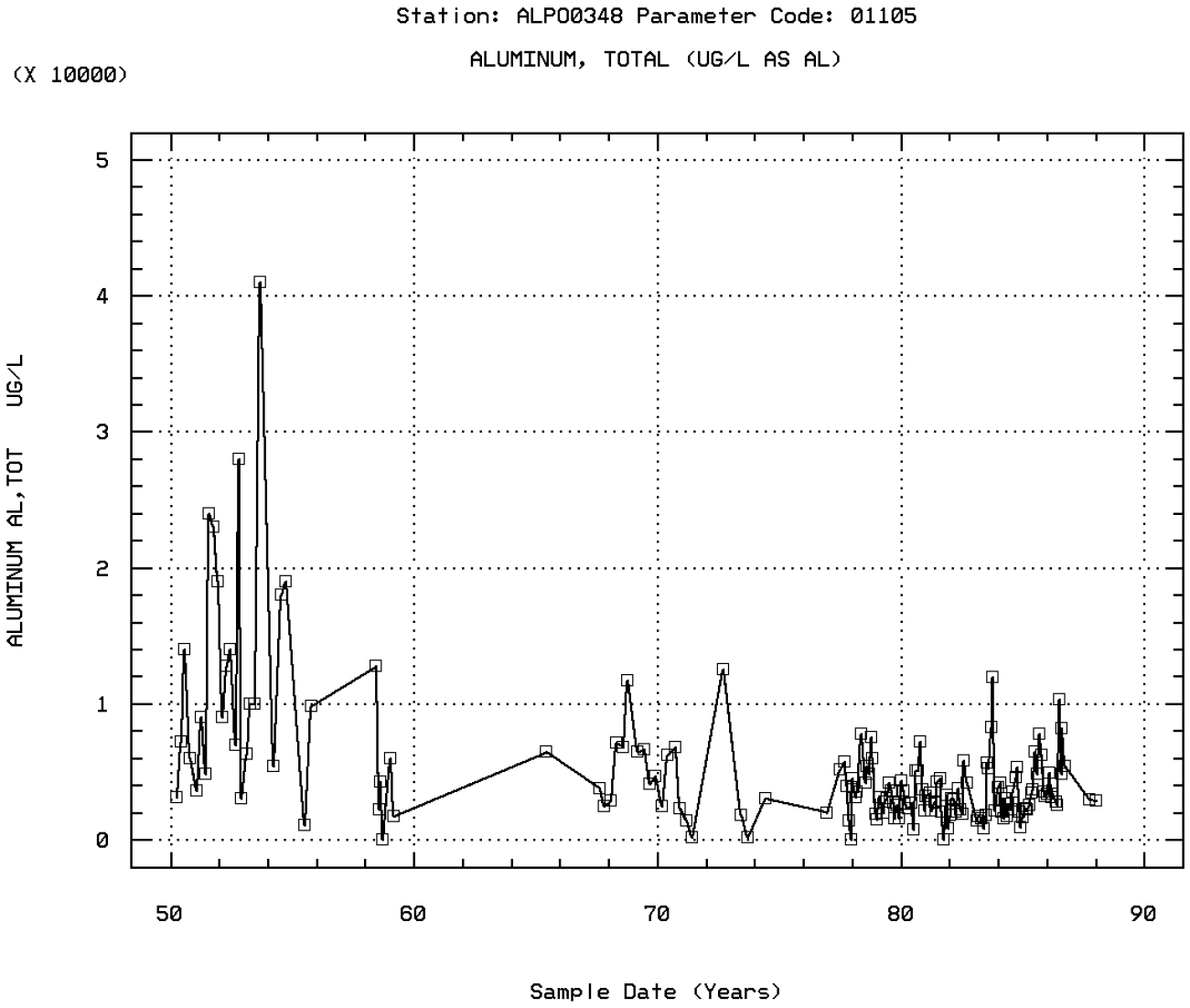
STONY CRK-RTE 53 BR-FERNDALE



STONY CRK-RTE 53 BR-FERNDALE



STONY CRK-RTE 53 BR-FERNDALE



STONY CRK-RTE 53 BR-FERNDALE

Annual Analysis for 1950 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	3.8	3.85	4.2	3.6	0.09	0.3	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	3.755	3.779	4.2	3.6	0.097	0.311	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	175.594	166.368	251.189	63.096	9819.652	99.094	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	3	3.	4.333	10.	0.	26.333	5.132	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	4	185.	245.	470.	140.	23100.	151.987	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	3700.	3850.	6000.	2000.	2756666.667	1660.321	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	4	6600.	7575.	14000.	3100.	21309166.667	4616.185	**	**	**	**

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

Annual Analysis for 1951 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	6	3.35	3.4	4.2	2.8	0.284	0.533	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	6	3.347	3.18	4.2	2.8	0.342	0.585	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	6	449.647	660.783	1584.893	63.096	383150.48	618.992	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	6	247.	368.5	1075.	112.	131926.3	363.217	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	6	6500.	8633.333	22000.	1300.	69146666.667	8315.447	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	6	14000.	13900.	24000.	3600.	84748000.	9205.868	**	**	**	**

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

Annual Analysis for 1952 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	6	3.2	3.267	3.6	3.1	0.039	0.197	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	6	3.2	3.234	3.6	3.1	0.04	0.2	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	6	630.957	583.311	794.328	251.189	47640.523	218.267	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	6	280.5	339.333	730.	180.	40832.667	202.071	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	6	8450.	9216.667	19000.	3800.	31105666.667	5577.245	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	6	10900.	12300.	28000.	3000.	75020000.	8661.409	**	**	**	**

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

Annual Analysis for 1953 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	3.4	3.375	3.5	3.2	0.022	0.15	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	3.389	3.355	3.5	3.2	0.023	0.152	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	408.707	441.15	630.957	316.228	23614.142	153.669	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	4	159.5	319.75	840.	120.	120660.25	347.362	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	5400.	7200.	16000.	2000.	41493333.333	6441.532	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	4	10000.	16825.	41000.	6300.	262789166.667	16210.773	**	**	**	**

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

Annual Analysis for 1954 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	3	3.2	3.267	3.6	3.	0.093	0.306	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	3	3.2	3.202	3.6	3.	0.1	0.315	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	3	630.957	627.382	1000.	251.189	140189.199	374.418	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	3	480.	400.	600.	120.	62400.	249.8	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	3	3400.	4066.667	8000.	800.	13293333.333	3646.002	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	3	18000.	14133.333	19000.	5400.	57453333.333	7579.798	**	**	**	**

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

Annual Analysis for 1955 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	2	3.3	3.3	3.4	3.2	0.02	0.141	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	2	3.289	3.289	3.4	3.2	0.02	0.142	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	2	514.532	514.532	630.957	398.107	27109.602	164.65	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	2	240.	240.	310.	170.	9800.	98.995	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	2	5400.	5400.	7200.	3600.	6480000.	2545.584	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	2	5450.	5450.	9800.	1100.	37845000.	6151.829	**	**	**	**

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

Annual Analysis for 1958 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	3.25	3.325	3.7	3.1	0.069	0.263	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	3.247	3.274	3.7	3.1	0.073	0.269	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	566.072	531.5	794.328	199.526	63365.297	251.725	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	4	324.	312.	455.	145.	20059.333	141.631	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	4000.	4200.	6000.	2800.	1760000.	1326.65	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	4	3250.	4825.	12800.	0.	31349166.667	5599.033	**	**	**	**

** - 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

Annual Analysis for 1959 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	6	3.5	3.5	3.8	3.1	0.076	0.276	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	6	3.5	3.427	3.8	3.1	0.082	0.287	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	6	316.228	374.158	794.328	158.489	58483.447	241.834	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	6	191.5	254.5	510.	111.	26123.5	161.628	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	6	6300.	7433.333	13400.	4000.	11350666.667	3369.075	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	2	3850.	3850.	6000.	1700.	9245000.	3040.559	**	**	**	**

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

Annual Analysis for 1960 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	3.5	3.575	4.1	3.2	0.202	0.45	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	3.404	3.426	4.1	3.2	0.232	0.482	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	394.723	374.959	630.957	79.433	88421.716	297.358	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	4	200.	192.5	285.	85.	11558.333	107.51	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	9500.	8100.	11200.	2200.	16280000.	4034.848	**	**	**	**

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

Annual Analysis for 1961 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	1	19.953	19.953	19.953	19.953	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	1	51.	51.	51.	51.	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	1	8900.	8900.	8900.	8900.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	2	18.	18.	23.	13.	50.	7.071	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	2	10.25	10.25	10.9	9.6	0.845	0.919	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	2	3.35	3.35	3.4	3.3	0.005	0.071	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	2	3.347	3.347	3.4	3.3	0.005	0.071	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	2	449.647	449.647	501.187	398.107	5312.75	72.889	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	2	3.65	3.65	4.	3.3	0.245	0.495	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	2	3.522	3.522	4.	3.3	0.278	0.527	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	2	300.594	300.594	501.187	100.	80475.598	283.682	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	2	130.	130.	230.	30.	20000.	141.421	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	2	357.5	357.5	385.	330.	1512.5	38.891	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	2	5.5	5.5	6.	5.	0.5	0.707	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	2	442.5	442.5	495.	390.	5512.5	74.246	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	2	5300.	5300.	6600.	4000.	3380000.	1838.478	**	**	**	**

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Annual Analysis for 1963 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	4	12.	10.	16.	0.	48.667	6.976	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	4	10.75	10.875	12.2	9.8	1.062	1.031	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	4	3.5	3.575	4.1	3.2	0.169	0.411	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	4	3.455	3.453	4.1	3.2	0.189	0.435	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	4	350.357	352.776	630.957	79.433	65870.913	256.653	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	3.7	3.725	4.2	3.3	0.163	0.403	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	3.655	3.599	4.2	3.3	0.184	0.428	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	221.06	251.601	501.187	63.096	39268.92	198.164	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	4	15.	13.75	20.	5.	56.25	7.5	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	4	260.	271.5	480.	86.	34115.667	184.704	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	4	6.5	6.75	9.	5.	2.917	1.708	**	**	**	**

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Annual Analysis for 1963 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	4	385.	384.5	680.	88.	70561.	265.633	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	4000.	3700.	5000.	1800.	1826666.667	1351.542	**	**	**	**

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Annual Analysis for 1964 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	5	6.	9.6	22.	1.	88.3	9.397	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	5	12.6	11.44	13.6	8.4	4.668	2.161	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	5	3.9	3.82	4.7	3.1	0.512	0.716	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	5	3.9	3.447	4.7	3.1	0.686	0.828	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	5	125.893	356.924	794.328	19.953	160924.913	401.154	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	5	4.3	4.08	4.4	3.4	0.167	0.409	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	5	4.3	3.894	4.4	3.4	0.21	0.459	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	5	50.119	127.631	398.107	39.811	23412.385	153.011	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	4	3.	3.25	7.	0.	8.917	2.986	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	5	10.	16.	45.	5.	280.	16.733	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	5	156.	215.6	482.	100.	24260.8	155.759	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	5	9.	9.2	13.	7.	6.2	2.49	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	5	130.	206.	400.	105.	17534.5	132.418	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	5	2000.	4320.	8000.	1600.	11312000.	3363.332	**	**	**	**

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Annual Analysis for 1965 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	4	9.5	10.	21.	0.	134.	11.576	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	4	11.25	10.825	12.8	8.	5.123	2.263	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	4	3.7	3.725	4.2	3.3	0.163	0.403	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	4	3.655	3.599	4.2	3.3	0.184	0.428	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	4	221.06	251.601	501.187	63.096	39268.92	198.164	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	3.85	3.875	4.3	3.5	0.149	0.386	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	3.782	3.759	4.3	3.5	0.167	0.409	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	165.311	174.242	316.228	50.119	16825.37	129.713	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	2	4.	4.	7.	1.	18.	4.243	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	3	20.	15.	20.	5.	75.	8.66	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	4	262.5	295.25	550.	106.	34490.25	185.716	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	3	10.	10.	10.	10.	0.	0.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	3	280.	398.333	800.	115.	127808.333	357.503	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	3	6000.	5600.	8000.	2800.	6880000.	2622.975	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	1	6500.	6500.	6500.	6500.	0.	0.	**	**	**	**

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Annual Analysis for 1966 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	4	10.5	11.75	24.	2.	102.917	10.145	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	3	11.6	10.933	11.8	9.4	1.773	1.332	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	4	3.85	3.925	4.6	3.4	0.289	0.538	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	4	3.782	3.725	4.6	3.4	0.343	0.585	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	4	165.311	188.462	398.107	25.119	28818.024	169.759	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	4.15	4.175	4.9	3.5	0.343	0.585	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	4.125	3.922	4.9	3.5	0.428	0.654	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	75.059	119.734	316.228	12.589	18441.838	135.801	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	3	5.	6.	13.	0.	43.	6.557	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	4	17.5	42.5	120.	15.	2675.	51.72	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	4	173.	179.5	290.	82.	8499.667	92.194	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	4	9.	9.	12.	6.	8.667	2.944	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	4	191.5	181.25	250.	92.	5188.917	72.034	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	3200.	3250.	4800.	1800.	1930000.	1389.244	**	**	**	**

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Annual Analysis for 1967 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	4	7.25	9.625	21.	3.	62.563	7.91	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	4	11.	10.7	12.8	8.	3.96	1.99	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	4	4.2	4.1	4.8	3.2	0.447	0.668	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	4	4.189	3.712	4.8	3.2	0.647	0.805	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	4	64.776	194.089	630.957	15.849	85498.984	292.402	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	4.	3.95	4.3	3.5	0.137	0.37	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	3.955	3.833	4.3	3.5	0.155	0.394	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	110.793	146.983	316.228	50.119	15065.316	122.741	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	3	2.	2.667	6.	0.	9.333	3.055	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	4	10.	11.25	15.	10.	6.25	2.5	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	4	140.	161.5	276.	90.	6982.333	83.56	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	4	7.5	7.75	11.	5.	6.25	2.5	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	4	188.5	209.25	393.	67.	20646.917	143.69	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	4700.	4900.	7200.	3000.	3053333.333	1747.379	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	2	3130.	3130.	3800.	2460.	897800.	947.523	**	**	**	**

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Annual Analysis for 1968 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	4	12.	11.	20.	0.	74.	8.602	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	3	9.4	9.133	10.8	7.2	3.293	1.815	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	4	4.4	4.3	5.2	3.2	0.787	0.887	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	4	4.237	3.725	5.2	3.2	1.227	1.108	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	4	57.924	188.279	630.957	6.31	88867.433	298.106	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	3.5	3.475	3.6	3.3	0.023	0.15	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	3.489	3.455	3.6	3.3	0.023	0.152	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	324.648	350.418	501.187	251.189	14899.516	122.064	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	4	31.5	44.25	99.	15.	1574.25	39.677	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	4	275.	267.	420.	98.	29158.667	170.759	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	4	12.	12.5	18.	8.	17.667	4.203	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	4	272.5	345.5	730.	107.	79497.667	281.953	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	7000.	8500.	18000.	2000.	46333333.333	6806.859	**	**	**	**

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Annual Analysis for 1968 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	4	6960.	7122.5	11670.	2900.	12871091.667	3587.63	**	**	**	**

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

Annual Analysis for 1969 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	4	10.5	11.	21.	2.	98.	9.899	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	4	7.	7.	10.	4.	6.667	2.582	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	4	3.75	3.725	4.	3.4	0.063	0.25	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	4	3.747	3.67	4.	3.4	0.067	0.258	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	4	179.008	214.031	398.107	100.	16727.457	129.335	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	3.7	3.675	3.8	3.5	0.022	0.15	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	3.689	3.655	3.8	3.5	0.023	0.152	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	204.839	221.099	316.228	158.489	5931.604	77.017	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	4	47.	43.75	66.	15.	480.25	21.915	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	4	216.	222.	296.	160.	3514.667	59.285	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	4	10.5	11.75	17.	9.	14.25	3.775	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	4	285.	268.75	300.	205.	2006.25	44.791	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	4550.	4900.	7700.	2800.	4766666.667	2183.27	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	4	5600.	5475.	6600.	4100.	1602500.	1265.899	**	**	**	**

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Annual Analysis for 1970 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	5	18.	15.8	27.	4.	85.7	9.257	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	1	320.	320.	320.	320.	0.	0.	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	5	9.	10.	12.	8.	3.5	1.871	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	4	4.45	3.513	4.7	0.45	4.184	2.045	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	4	4.447	1.052	4.7	0.45	12.256	3.501	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	4	35.717	88726.194	354813.389	19.953314677314	23.597177391.464		**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	5	3.9	4.04	4.6	3.6	0.163	0.404	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	5	3.9	3.913	4.6	3.6	0.183	0.428	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	5	125.893	122.162	251.189	25.119	8147.267	90.262	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	4	1.5	1.75	4.	0.	4.25	2.062	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/70-12/01/87	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	4	24.	26.5	48.	10.	315.667	17.767	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	5	200.	181.6	258.	102.	4614.8	67.932	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	5	10.	9.4	13.	4.	15.3	3.912	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	5	220.	197.6	305.	100.	7231.3	85.037	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	3500.	3225.	3800.	2100.	642500.	801.561	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	4	4350.	4450.	6800.	2300.	5670000.	2381.176	**	**	**	**

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Annual Analysis for 1971 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	3	22.	17.667	26.	5.	124.333	11.15	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	3	9.	9.167	10.	8.5	0.583	0.764	**	**	**	**

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Annual Analysis for 1971 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	3	4.7	4.667	5.4	3.9	0.563	0.751	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	3	4.7	4.302	5.4	3.9	0.763	0.874	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	3	19.953	49.942	125.893	3.981	4390.127	66.258	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	3	4.	4.	4.1	3.9	0.01	0.1	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	3	4.	3.992	4.1	3.9	0.01	0.1	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	3	100.	101.775	125.893	79.433	541.99	23.281	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	2	0.5	0.5	1.	0.	0.5	0.707	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	3	6.	7.	10.	5.	7.	2.646	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	3	184.	178.	234.	116.	3508.	59.228	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	3	15.	14.333	15.	13.	1.333	1.155	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	3	249.	259.667	285.	245.	485.333	22.03	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	3	2000.	2166.667	3500.	1000.	1583333.333	1258.306	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	2	800.	800.	1400.	200.	720000.	848.528	**	**	**	**

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Annual Analysis for 1972 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	2	16.	16.	25.	7.	162.	12.728	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	2	582.5	582.5	975.	190.	308112.5	555.079	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	3	8.	9.333	13.	7.	10.333	3.215	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	3	5.3	5.5	6.	5.2	0.19	0.436	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	3	5.3	5.386	6.	5.2	0.209	0.458	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	3	5.012	4.107	6.31	1.	7.662	2.768	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	3	5.1	4.633	5.3	3.5	0.973	0.987	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	3	5.1	3.96	5.3	3.5	1.654	1.286	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	3	7.943	109.728	316.228	5.012	31983.875	178.84	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	3	3.	2.667	5.	0.	6.333	2.517	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/70-12/01/87	1	702.	702.	702.	702.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/72-01/07/88	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	2	0.009	0.009	0.014	0.004	0.	0.007	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	2	0.92	0.92	1.099	0.74	0.064	0.254	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/72-01/07/88	2	0.335	0.335	0.6	0.07	0.14	0.375	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	3	112.	183.667	372.	67.	27108.333	164.646	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	3	9.	9.667	12.	8.	4.333	2.082	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	3	93.	178.333	408.	34.	40430.333	201.073	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	3	5800.	25400.	66000.	4400.	1236760000.	35167.599	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	1	12500.	12500.	12500.	12500.	0.	0.	**	**	**	**

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Annual Analysis for 1973 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	3	20.	16.333	24.	5.	100.333	10.017	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-12/01/87	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	4	217.5	261.25	460.	150.	18772.917	137.014	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	3	7.	7.833	10.5	6.	5.583	2.363	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	3	6.	5.433	6.	4.3	0.963	0.981	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	3	6.	4.76	6.	4.3	1.643	1.282	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	3	1.	17.373	50.119	1.	804.216	28.359	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	4	4.95	5.225	6.7	4.3	1.196	1.094	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	4	4.75	4.668	6.7	4.3	1.61	1.269	**	**	**	**

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Annual Analysis for 1973 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	4	17.802	21.481	50.119	0.2	560.708	23.679	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	4	2.5	7.	22.	1.	100.667	10.033	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/70-12/01/87	1	366.	366.	366.	366.	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/72-01/07/88	4	0.1	0.118	0.2	0.07	0.003	0.059	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	4	0.01	0.012	0.022	0.006	0.	0.007	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	4	0.68	0.705	1.099	0.36	0.13	0.361	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/72-01/07/88	4	0.04	0.043	0.05	0.04	0.	0.005	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	4	92.	120.25	222.	75.	4676.25	68.383	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	4	7.	6.75	8.	5.	1.583	1.258	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	4	91.	118.25	249.	42.	8212.25	90.621	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	4	865.	1057.5	2220.	280.	716691.667	846.576	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	2	995.	995.	1830.	160.	1394450.	1180.868	**	**	**	**

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Annual Analysis for 1974 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00065	STAGE, STREAM (FEET)	06/06/74-12/01/87	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	3	335.	405.	600.	280.	29275.	171.099	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	3	6.	6.833	10.5	4.	11.083	3.329	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	3	6.4	5.833	6.7	4.4	1.563	1.25	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	3	6.4	4.871	6.7	4.4	2.953	1.719	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	3	0.398	13.469	39.811	0.2	520.407	22.812	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	3	4.2	4.033	4.4	3.5	0.223	0.473	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	3	4.2	3.855	4.4	3.5	0.271	0.521	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	3	63.096	139.711	316.228	39.811	23504.067	153.31	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	3	1.	0.667	1.	0.	0.333	0.577	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/72-01/07/88	3	0.2	0.197	0.32	0.07	0.016	0.125	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	3	0.026	0.029	0.048	0.012	0.	0.018	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	3	0.6	0.826	1.279	0.6	0.154	0.392	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/72-01/07/88	3	0.05	0.053	0.06	0.05	0.	0.006	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	3	162.	178.667	242.	132.	3233.333	56.862	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	3	8.	7.667	9.	6.	2.333	1.528	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	3	132.	172.	282.	102.	9300.	96.437	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	3	2190.	2333.333	2800.	2010.	171433.333	414.045	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	1	3040.	3040.	3040.	3040.	0.	0.	**	**	**	**

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Annual Analysis for 1975 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	5	13.	12.8	21.	3.	56.2	7.497	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-12/01/87	2	244.5	244.5	390.	99.	42340.5	205.768	**	**	**	**
00065	STAGE, STREAM (FEET)	06/06/74-12/01/87	5	3.	3.36	5.6	2.3	1.663	1.29	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	6	335.	345.	600.	150.	22510.	150.033	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	6	7.	6.833	9.	4.	2.967	1.722	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	6	6.65	6.533	7.	5.5	0.279	0.528	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	6	6.647	6.163	7.	5.5	0.443	0.666	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	6	0.225	0.687	3.162	0.1	1.474	1.214	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	6	4.05	4.15	4.9	3.6	0.267	0.517	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	6	4.025	3.947	4.9	3.6	0.316	0.562	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	6	94.494	112.902	251.189	12.589	9408.979	97.	**	**	**	**

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Annual Analysis for 1975 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	5	2.	2.8	8.	0.	11.2	3.347	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/72-01/07/88	6	0.185	0.183	0.28	0.09	0.005	0.067	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	6	0.027	0.027	0.038	0.016	0.	0.008	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	6	1.04	0.997	1.08	0.84	0.008	0.09	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/72-01/07/88	6	0.05	0.063	0.12	0.04	0.001	0.029	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	6	168.	193.333	374.	87.	11204.667	105.852	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	6	9.5	8.833	11.	6.	3.767	1.941	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	6	183.	252.	462.	96.	22467.2	149.891	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	6	2900.	3620.	8100.	570.	6483720.	2546.315	**	**	**	**

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Annual Analysis for 1976 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	5	9.5	6.1	11.	0.	31.3	5.595	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-12/01/87	4	460.	445.	560.	300.	14833.333	121.792	**	**	**	**
00065	STAGE, STREAM (FEET)	06/06/74-12/01/87	4	3.	2.9	3.4	2.2	0.26	0.51	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	8	405.	515.	900.	290.	61257.143	247.502	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	6	9.6	9.933	13.4	7.	6.255	2.501	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	7	4.8	5.357	6.9	4.7	0.916	0.957	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	7	4.8	4.939	6.9	4.7	1.12	1.058	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	7	15.849	11.495	19.953	0.126	64.213	8.013	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	8	4.05	4.1	4.8	3.5	0.166	0.407	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	8	4.047	3.953	4.8	3.5	0.19	0.436	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	8	89.716	111.326	316.228	15.849	9051.626	95.14	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	7	4.	3.143	6.	0.	9.143	3.024	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/70-12/01/87	2	244.	244.	350.	138.	22472.	149.907	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	2	24.	24.	38.	10.	392.	19.799	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/72-01/07/88	8	0.31	0.373	0.62	0.16	0.037	0.193	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	8	0.028	0.029	0.05	0.018	0.	0.01	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	8	0.925	0.941	1.18	0.64	0.041	0.204	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/72-01/07/88	8	0.065	0.07	0.11	0.05	0.	0.019	**	**	**	**
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/05/76-01/07/88	3 ##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	8	177.	208.	380.	105.	9829.429	99.143	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	8	11.5	11.375	16.	7.	9.696	3.114	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	8	155.	150.375	220.	61.	2734.839	52.296	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	8	3655.	3475.	5400.	1410.	1640028.571	1280.636	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	1	2010.	2010.	2010.	2010.	0.	0.	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/05/76-01/07/88	3 ##	5.	10.	20.	5.	75.	8.66	**	**	**	**

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Annual Analysis for 1977 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	4	6.5	9.75	26.	0.	154.917	12.447	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-12/01/87	5	683.	647.4	1435.	69.	316460.8	562.548	**	**	**	**
00065	STAGE, STREAM (FEET)	06/06/74-12/01/87	5	3.6	3.32	4.5	2.1	0.992	0.996	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/16/77-12/08/82	2	37.5	37.5	50.	25.	312.5	17.678	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	8	400.	483.75	900.	240.	56112.5	236.881	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	4	12.65	12.475	15.6	9.	9.836	3.136	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	5	4.8	4.48	4.8	3.6	0.272	0.522	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	5	4.8	4.169	4.8	3.6	0.393	0.627	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	5	15.849	67.709	251.189	15.849	10627.873	103.092	**	**	**	**

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Annual Analysis for 1977 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	8	4.5	4.388	4.8	3.7	0.15	0.387	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	8	4.5	4.213	4.8	3.7	0.184	0.429	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	8	31.623	61.174	199.526	15.849	4369.472	66.102	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	8	5.	6.75	26.	0.	68.5	8.276	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/70-12/01/87	8	253.	296.5	744.	164.	35935.714	189.567	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	5	20.	26.8	58.	10.	393.2	19.829	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/72-01/07/88	8	0.295	0.294	0.46	0.17	0.012	0.108	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	8	0.024	0.024	0.03	0.018	0.	0.005	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	8	1.225	1.206	1.77	0.78	0.118	0.343	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/72-01/07/88	8	0.06	0.079	0.16	0.04	0.002	0.044	**	**	**	**
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/05/76-01/07/88	6 ##	0.005	0.015	0.06	0.002	0.001	0.022	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	8	184.5	207.125	430.	100.	11905.554	109.113	**	**	**	**
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	2	36.	36.	36.	36.	0.	0.	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	2	17.45	17.45	27.2	7.7	190.125	13.789	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	8	11.5	13.625	29.	9.	40.554	6.368	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	8	163.	177.875	300.	85.	5826.411	76.331	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	8	2845.	3417.5	7920.	850.	5147192.857	2268.743	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	5	3960.	3256.	5700.	0.	6055080.	2460.707	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	12 ##	12.5	14.875	50.	2.	216.915	14.728	2.9	5.	12.5	47.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	12 ##	1.097	1.011	1.699	0.301	0.151	0.388	0.42	0.699	1.097	1.67
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.268								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/05/76-01/07/88	7 ##	5.	3.714	5.	0.5	4.821	2.196	**	**	**	**
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	2	33.	33.	40.	26.	98.	9.899	**	**	**	**

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Annual Analysis for 1978 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	11	11.	10.155	24.3	-4.6	95.211	9.758	0.2	1.	19.2	23.68
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-12/01/87	1	151.	151.	151.	151.	0.	0.	**	**	**	**
00065	STAGE, STREAM (FEET)	06/06/74-12/01/87	13	3.2	3.3	4.3	2.4	0.423	0.651	2.4	2.6	3.9	4.18
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/16/77-12/08/82	12	25.	67.083	450.	15.	15338.447	123.848	16.5	20.	33.75	351.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	12	460.	493.333	800.	230.	30569.697	174.842	254.	352.5	675.	770.
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	10	11.15	11.65	17.	8.8	7.649	2.766	8.8	9.175	13.7	16.76
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	5	4.8	4.65	5.	3.95	0.165	0.406	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	5	4.8	4.459	5.	3.95	0.211	0.459	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	5	15.849	34.77	112.202	10.	1886.203	43.43	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	13	4.5	4.454	5.5	3.8	0.264	0.514	3.8	3.95	4.65	5.38
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	13	4.5	4.228	5.5	3.8	0.32	0.565	3.8	3.95	4.65	5.38
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	13	31.623	59.17	158.489	3.162	3167.561	56.281	4.421	22.536	112.946	158.489
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	12	4.	10.417	80.	0.	488.992	22.113	0.	1.25	8.	58.4
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/70-12/01/87	13	406.	473.846	1330.	102.	101579.641	318.716	130.8	250.	623.	1081.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	12	25.	94.5	632.	2.	33011.727	181.691	7.4	22.	42.	518.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/72-01/07/88	13	0.33	0.342	0.6	0.16	0.023	0.152	0.164	0.18	0.45	0.6
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	13	0.02	0.02	0.038	0.004	0.	0.01	0.006	0.015	0.023	0.038
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	13	1.12	1.075	1.4	0.47	0.069	0.262	0.602	0.885	1.27	1.392
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/72-01/07/88	13	0.12	0.185	0.55	0.05	0.025	0.16	0.054	0.07	0.285	0.498
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/05/76-01/07/88	13	0.011	0.043	0.131	0.005	0.003	0.051	0.005	0.005	0.09	0.129
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	13	200.	213.692	355.	80.	7694.731	87.72	87.2	142.	300.	341.
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	13	48.	49.538	87.2	19.2	452.849	21.28	21.12	30.8	67.2	83.36
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	13	22.	24.092	40.	8.8	96.674	9.832	9.08	17.9	32.9	39.08
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	13	12.	11.077	18.	7.	9.744	3.121	7.4	8.	13.	16.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	13	168.	200.308	390.	75.	10330.564	101.639	77.	134.	275.	384.
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	13	4200.	8146.692	27750.	1700.	88417543.897	9403.06	1924.	2595.	10953.5	27622.
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	11	4500.	4783.636	7800.	1880.	3281745.455	1811.559	2124.	3500.	6000.	7752.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	20 ##	12.5	96.	1600.	5.	125823.289	354.716	5.	5.	18.125	95.

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Annual Analysis for 1978 - Station ALPO0348

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	02/15/77-01/07/88	20 ##	1.097	1.128	3.204	0.699	0.38	0.616	0.699	0.699	1.25	1.97
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			13.417								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/05/76-01/07/88	13 ##	5.	18.962	130.	0.5	1238.978	35.199	0.5	1.75	18.5	94.
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	13	38.	47.846	130.	12.	983.641	31.363	12.	31.	63.	110.

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Annual Analysis for 1979 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	12	10.75	10.858	20.	2.1	43.266	6.578	2.37	5.125	17.125	20.
00065	STAGE, STREAM (FEET)	06/06/74-12/01/87	12	3.9	4.242	6.1	3.1	0.99	0.995	3.13	3.5	5.125	5.95
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/16/77-12/08/82	12	22.5	21.917	45.	8.	106.811	10.335	8.6	15.	28.75	40.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	12	362.5	358.75	500.	220.	7936.932	89.089	226.	275.	425.	491.
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	10	10.2	10.35	12.8	8.8	1.869	1.367	8.8	9.1	11.4	12.72
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	10	4.75	4.83	7.	3.8	0.982	0.991	3.81	3.975	5.5	6.85
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	10	4.725	4.286	7.	3.8	1.311	1.145	3.81	3.975	5.5	6.85
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	10	18.854	51.795	158.489	0.1	3484.431	59.029	0.406	3.162	106.473	155.23
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	12	4.7	4.867	6.2	4.1	0.328	0.573	4.22	4.6	4.875	6.08
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	12	4.7	4.652	6.2	4.1	0.378	0.615	4.22	4.6	4.875	6.08
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	12	19.953	22.305	79.433	0.631	405.426	20.135	0.917	13.404	25.119	65.09
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	12	4.	4.183	10.	0.2	9.64	3.105	0.74	2.	5.5	10.
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/70-12/01/87	12	264.	268.	450.	116.	9888.727	99.442	131.6	172.5	349.5	429.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	12	9.	19.5	64.	2.	453.182	21.288	2.6	4.5	37.	60.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/72-01/07/88	12	0.155	0.238	0.85	0.02	0.058	0.24	0.029	0.073	0.325	0.757
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	12	0.004	0.005	0.012	0.002	0.	0.003	0.003	0.004	0.007	0.011
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	12	0.83	0.919	1.41	0.64	0.067	0.259	0.652	0.695	1.135	1.38
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/72-01/07/88	12	0.08	0.092	0.2	0.05	0.002	0.045	0.05	0.063	0.098	0.188
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/05/76-01/07/88	12	0.019	0.05	0.33	0.005	0.008	0.091	0.005	0.009	0.051	0.252
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	12	134.	130.417	200.	63.	1993.538	44.649	63.6	93.75	156.75	198.5
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	12	29.6	29.417	47.2	16.8	75.923	8.713	17.76	21.15	35.4	44.08
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	12	17.45	16.242	34.9	0.	79.499	8.916	1.23	10.9	19.85	31.21
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	12	6.	7.167	13.	4.	5.788	2.406	4.3	6.	8.75	11.8
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	12	130.	140.	270.	55.	3727.273	61.051	58.	100.	181.25	250.5
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	12	3675.	3857.5	6150.	2310.	1231638.636	1109.792	2349.	3185.	4795.	5790.
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	11	2700.	2591.818	4200.	1480.	779696.364	883.004	1488.	1600.	3080.	4080.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	35	25.	292.857	6000.	5.	1025452.626	1012.646	5.	5.	200.	616.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	35	1.398	1.571	3.778	0.699	0.699	0.836	0.699	0.699	2.301	2.789
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			37.271								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/05/76-01/07/88	12	0.5	1.875	11.	0.	11.415	3.379	0.	0.	2.5	9.5
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	12	23.	23.833	48.	4.	147.242	12.134	5.8	16.5	29.5	45.6

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Annual Analysis for 1980 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	11	-1.	7.445	20.	-1.	62.519	7.907	0.88	6.3	15.2	19.36
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-12/01/87	10	340.	539.6	1930.	82.	326460.489	571.367	86.	138.5	856.	1833.4
00065	STAGE, STREAM (FEET)	06/06/74-12/01/87	10	2.95	3.092	4.1	2.35	0.334	0.578	2.37	2.603	3.525	4.08
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/16/77-12/08/82	12	17.5	20.833	45.	2.5	150.379	12.263	4.	15.	32.5	42.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	12	510.	522.083	935.	310.	33124.811	182.002	313.	390.	632.5	875.
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	11	12.7	12.691	15.8	9.2	5.459	2.336	9.32	10.2	15.	15.74
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	4	4.71	4.585	5.82	3.1	1.414	1.189	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	4	4.478	3.666	5.82	3.1	2.539	1.593	**	**	**	**

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Annual Analysis for 1980 - Station ALPO0348

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	06/28/62-12/01/87	4	33.283	215.602	794.328	1.514	149564.542	386.736	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	12	4.5	4.375	4.9	3.6	0.258	0.508	3.6	3.825	4.8	4.9
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	12	4.5	4.095	4.9	3.6	0.344	0.586	3.6	3.825	4.8	4.9
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	12	31.623	80.339	251.189	12.589	9052.996	95.147	12.589	15.849	165.419	251.189
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	10	2.5	3.	6.	0.	4.222	2.055	0.1	1.75	5.25	6.
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/70-12/01/87	12	380.	396.833	694.	248.	19414.152	139.335	248.6	266.	453.5	665.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	12	16.	34.167	224.	2.	3761.061	61.327	2.	3.5	36.	168.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/72-01/07/88	12	0.36	0.454	1.87	0.1	0.223	0.472	0.115	0.198	0.445	1.513
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	12	0.004	0.005	0.01	0.002	0.	0.003	0.002	0.002	0.008	0.009
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	12	0.675	0.711	1.1	0.34	0.057	0.239	0.37	0.5	0.923	1.076
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/72-01/07/88	12	0.055	0.118	0.85	0.02	0.054	0.232	0.023	0.03	0.07	0.622
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/05/76-01/07/88	11	0.001	0.006	0.049	0.001	0.	0.014	0.001	0.001	0.001	0.04
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	12	194.	233.167	420.	114.	10962.697	104.703	118.8	152.75	295.5	420.
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	12	45.6	49.533	80.8	27.2	303.181	17.412	27.68	37.	60.	79.84
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	10	22.4	28.15	69.	12.6	327.552	18.098	12.69	15.375	35.6	67.1
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	12	10.	9.417	14.	4.	8.265	2.875	4.9	7.	11.75	13.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	12	200.	278.75	1020.	85.	64100.568	253.181	92.5	150.	298.75	847.5
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	12	3615.	3969.167	8290.	2370.	3464662.879	1861.36	2379.	2465.	4127.5	7921.
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	12	3165.	3486.667	7210.	740.	3045715.152	1745.198	1151.	2277.5	4897.5	6577.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	31 ##	12.5	22.903	100.	5.	511.29	22.612	5.	10.	50.	50.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	31 ##	1.097	1.186	2.	0.699	0.147	0.384	0.699	1.	1.699	1.699
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			15.345								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/05/76-01/07/88	10	0.	16.5	123.	0.	1469.833	38.338	0.	0.	14.75	113.3
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	12	34.	36.667	76.	9.	450.242	21.219	9.3	20.	53.	71.2

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Annual Analysis for 1981 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	11	13.6	10.382	20.9	-0.8	72.96	8.542	1.84	7.7	18.4	20.56
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-12/01/87	12	360.5	498.333	1670.	76.	204940.606	452.704	77.2	212.75	624.25	1458.2
00065	STAGE, STREAM (FEET)	06/06/74-12/01/87	12	3.16	3.118	4.7	1.15	0.848	0.921	1.498	2.463	3.64	4.487
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/16/77-12/08/82	12	9.25	16.158	41.	0.5	180.328	13.429	0.77	5.75	29.	37.7
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	12	507.5	547.417	1250.	39.	101690.083	318.889	115.8	318.75	777.5	1136.
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	11	9.9	11.355	15.4	8.4	6.689	2.586	8.6	9.4	14.2	15.4
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	7	4.99	4.769	5.22	4.01	0.25	0.5	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	7	4.99	4.508	5.22	4.01	0.329	0.574	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	7	10.233	31.053	97.724	6.026	1371.375	37.032	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	12	4.65	4.483	6.	2.8	0.562	0.749	3.16	4.1	4.8	5.67
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	12	4.647	3.777	6.	2.8	1.105	1.051	3.16	4.1	4.8	5.67
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	12	22.536	167.016	1584.893	1.	200397.768	447.658	4.477	15.849	79.433	1139.425
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	11	2.	2.091	7.	0.	5.891	2.427	0.	0.	3.	6.8
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/70-12/01/87	12	367.	425.333	868.	192.	47984.242	219.053	195.6	228.5	636.5	812.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	11	14.	16.	40.	2.	136.8	11.696	2.4	6.	24.	38.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/72-01/07/88	12	0.23	0.424	2.31	0.11	0.363	0.602	0.131	0.2	0.353	1.767
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	12	0.006	0.007	0.022	0.002	0.	0.006	0.002	0.004	0.008	0.02
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	12	0.76	0.832	1.35	0.4	0.083	0.289	0.409	0.65	1.07	1.296
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/72-01/07/88	11	0.06	0.065	0.11	0.04	0.001	0.023	0.04	0.04	0.08	0.108
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/05/76-01/07/88	12	0.012	0.026	0.148	0.001	0.002	0.042	0.001	0.002	0.028	0.12
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	12	237.	272.167	612.	119.	22864.697	151.211	119.6	146.5	383.	556.2
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	12	50.45	61.242	160.	24.7	1517.717	38.958	25.48	32.6	87.775	140.35
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	12	18.3	23.533	53.	9.	230.941	15.197	9.06	11.575	32.775	52.1
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	12	11.5	11.	16.	6.	7.273	2.697	6.6	8.5	12.75	15.1
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	12	217.5	231.5	445.	100.	13282.455	115.25	101.5	138.75	349.5	427.
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	12	2900.	2783.333	4630.	620.	1921424.242	1386.154	710.	1480.	4262.5	4552.
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	11	2810.	2666.909	4520.	6.	1818929.091	1348.677	174.8	2090.	3440.	4464.

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Annual Analysis for 1981 - Station ALPO0348

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	02/15/77-01/07/88	9 ##	12.5	59.722	200.	12.5	6475.694	80.472	12.5	12.5	125.	200.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	9 ##	1.097	1.465	2.301	1.097	0.267	0.517	1.097	1.097	2.	2.301
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			29.163								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/05/76-01/07/88	12	0.	34.25	406.	0.	13707.659	117.08	0.	0.	0.	285.7
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	9	24.	63.667	261.	0.	6413.	80.081	0.	20.	82.	261.

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Annual Analysis for 1982 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	9	11.4	10.767	24.	1.	88.273	9.395	1.	1.05	19.15	24.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-12/01/87	10	222.5	549.9	2460.	63.	599430.1	774.229	63.1	85.	755.5	2347.
00065	STAGE, STREAM (FEET)	06/06/74-12/01/87	10	2.96	3.351	5.57	2.31	1.332	1.154	2.31	2.393	4.498	5.468
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/16/77-12/08/82	6	16.	38.95	150.	3.7	3063.815	55.352	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	10	380.	478.9	930.	225.	57480.989	239.752	233.	323.75	661.	922.9
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	9	11.2	11.622	15.4	8.5	6.132	2.476	8.5	9.3	14.05	15.4
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	2	5.405	5.405	5.91	4.9	0.51	0.714	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	2	5.161	5.161	5.91	4.9	0.63	0.793	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	2	6.91	6.91	12.589	1.23	64.513	8.032	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	10	4.7	4.89	6.6	3.7	0.672	0.82	3.77	4.55	5.1	6.54
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	10	4.7	4.442	6.6	3.7	0.895	0.946	3.77	4.55	5.1	6.54
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	10	19.953	36.137	199.526	0.251	3423.631	58.512	0.326	12.137	28.792	183.555
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	10	1.	2.3	7.	0.	6.011	2.452	0.	0.75	5.	6.8
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/70-12/01/87	10	326.	383.6	756.	138.	47182.933	217.216	144.2	215.	543.5	755.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	8	23.	40.	168.	10.	2747.429	52.416	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/72-01/07/88	10	0.205	0.231	0.42	0.06	0.017	0.131	0.065	0.118	0.373	0.419
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	10	0.005	0.005	0.01	0.001	0.	0.003	0.001	0.004	0.008	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	10	0.729	0.808	1.35	0.42	0.106	0.326	0.421	0.49	1.075	1.33
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/72-01/07/88	9	0.06	0.097	0.39	0.03	0.013	0.112	0.03	0.045	0.095	0.39
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	03/08/82-01/07/88	6 ##	0.001	0.001	0.005	0.001	0.	0.002	**	**	**	**
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/05/76-01/07/88	10	0.003	0.004	0.015	0.001	0.	0.004	0.001	0.001	0.005	0.014
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	10	165.5	224.5	527.	79.	18692.278	136.72	83.4	134.25	307.5	510.3
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	9	34.4	45.456	90.9	22.2	567.29	23.818	22.2	25.5	65.75	90.9
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	9	13.1	15.822	31.7	7.2	63.677	7.98	7.2	9.35	21.75	31.7
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	10	12.	11.5	20.	7.	16.722	4.089	7.1	8.	13.	19.6
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	10	165.	223.2	500.	60.	22237.511	149.122	64.	122.5	323.5	495.4
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	10	2420.	3728.	16300.	800.	20717506.667	4551.649	838.	1510.	3512.5	15127.
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	9	2930.	3082.222	5830.	1830.	1757819.444	1325.828	1830.	1960.	3970.	5830.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	20 ##	45.	183.25	1600.	10.	133875.066	365.889	10.	12.5	275.	490.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	20 ##	1.651	1.688	3.204	1.	0.492	0.701	1.	1.097	2.433	2.689
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			48.797								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/05/76-01/07/88	9	0.	4.889	43.	0.	204.361	14.295	0.	0.	0.5	43.
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	9	22.	26.	80.	0.	590.	24.29	0.	8.	37.	80.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/04/82-12/01/87	4	8.25	9.7	20.	2.3	55.393	7.443	**	**	**	**

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Annual Analysis for 1983 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	12	13.15	11.917	24.	0.	77.834	8.822	0.15	3.45	18.3	24.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-12/01/87	12	417.	842.333	3190.	88.	968885.333	984.32	92.5	137.	1675.	2791.
00065	STAGE, STREAM (FEET)	06/06/74-12/01/87	12	3.275	3.612	6.08	2.4	1.466	1.211	2.421	2.59	4.83	5.762
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	11	515.	565.	1130.	190.	121970.	349.242	197.	225.	855.	1124.

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Annual Analysis for 1983 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	12	10.9	10.758	14.7	7.6	5.284	2.299	7.69	8.325	12.625	14.34
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	12	4.79	4.695	6.	3.38	0.79	0.889	3.449	3.863	5.418	5.91
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	12	4.75	4.06	6.	3.38	1.229	1.109	3.449	3.863	5.417	5.91
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	12	17.795	86.999	416.869	1.	16708.556	129.262	1.299	3.824	137.413	365.45
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	12	4.9	4.8	6.	3.6	0.649	0.806	3.63	4.025	5.575	5.91
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	12	4.889	4.237	6.	3.6	0.995	0.997	3.63	4.025	5.575	5.91
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	12	12.924	57.933	251.189	1.	7254.799	85.175	1.299	3.074	94.858	235.69
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	12	2.5	2.5	5.	0.	4.636	2.153	0.	0.	5.	5.
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/70-12/01/87	12	324.	412.833	838.	172.	68185.788	261.124	173.2	187.	672.	835.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/72-01/07/88	12	0.27	0.32	0.77	0.08	0.05	0.224	0.086	0.108	0.423	0.74
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	12	0.006	0.01	0.058	0.001	0.	0.015	0.001	0.004	0.008	0.043
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	12	0.965	0.902	1.36	0.45	0.105	0.325	0.456	0.518	1.2	1.318
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/72-01/07/88	11	0.04	0.053	0.11	0.03	0.001	0.028	0.03	0.03	0.08	0.106
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	03/08/82-01/07/88	8 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/05/76-01/07/88	12 ##	0.003	0.003	0.005	0.001	0.	0.002	0.001	0.001	0.005	0.005
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	12	197.	230.333	576.	85.	23454.97	153.15	87.7	106.25	308.	536.4
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	12	45.95	55.175	110.	20.2	1071.266	32.73	21.37	27.5	87.625	108.95
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	12	16.6	19.133	41.5	6.4	158.797	12.601	6.55	7.55	29.85	40.81
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	12	10.	10.667	17.	5.	15.333	3.916	5.3	7.25	13.75	16.7
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	11	215.	234.273	480.	65.	27642.818	166.261	67.	78.	430.	472.
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	12	2585.	2805.833	5660.	490.	2815699.242	1678.005	514.	1310.	4480.	5405.
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	11	2160.	4045.455	11970.	800.	12231447.273	3497.349	920.	1600.	5680.	11230.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	36 ##	50.	164.167	1500.	12.5	86927.143	294.834	12.5	12.5	195.	510.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	36 ##	1.699	1.751	3.176	1.097	0.389	0.624	1.097	1.097	2.29	2.701
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			56.427								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/05/76-01/07/88	12	1.	2.833	20.	0.	31.788	5.638	0.	0.	3.	15.5
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	12	34.	55.083	180.	0.	3676.811	60.637	1.5	5.	99.	171.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/04/82-12/01/87	10	7.	10.79	46.	1.2	175.692	13.255	1.28	2.15	13.975	42.91

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Annual Analysis for 1984 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	12	10.25	10.792	24.	1.	42.884	6.549	1.3	6.625	15.75	22.05
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-12/01/87	12	640.	705.833	1790.	112.	292511.788	540.844	118.6	187.	1135.	1622.
00065	STAGE, STREAM (FEET)	06/06/74-12/01/87	12	3.765	3.647	4.94	2.5	0.615	0.784	2.527	2.785	4.235	4.778
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	12	352.5	452.5	820.	255.	39247.727	198.11	261.	301.25	646.25	791.5
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	9	10.4	10.3	13.5	7.9	2.995	1.731	7.9	8.8	11.55	13.5
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	12	4.775	4.763	5.9	3.7	0.371	0.609	3.805	4.263	5.038	5.78
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	12	4.774	4.405	5.9	3.7	0.511	0.715	3.805	4.263	5.038	5.78
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	12	16.816	39.331	199.526	1.259	3236.833	56.893	1.83	9.184	56.192	166.406
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	12	4.85	5.033	6.5	4.	0.504	0.71	4.12	4.725	5.15	6.44
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	12	4.847	4.686	6.5	4.	0.636	0.797	4.12	4.725	5.15	6.44
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	12	14.219	20.586	100.	0.316	731.823	27.052	0.372	7.232	18.927	81.943
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	12	2.	2.917	9.	0.	8.083	2.843	0.	1.25	3.75	8.7
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/70-12/01/87	12	303.	344.083	656.	56.	35190.992	187.593	90.5	196.5	537.	639.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/72-01/07/88	12	0.18	0.248	0.78	0.1	0.038	0.194	0.103	0.153	0.243	0.69
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	12	0.008	0.008	0.02	0.002	0.	0.005	0.002	0.003	0.01	0.018
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	12	0.95	0.888	1.26	0.4	0.083	0.288	0.403	0.643	1.125	1.236
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/72-01/07/88	12	0.055	0.072	0.19	0.005	0.002	0.046	0.016	0.05	0.098	0.163
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	03/08/82-01/07/88	12	1.5	2.667	17.	0.001	22.105	4.702	0.001	0.001	3.	12.95
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/05/76-01/07/88	12	0.002	0.003	0.02	0.001	0.	0.005	0.001	0.001	0.004	0.015
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	12	157.5	196.917	388.	101.	9160.992	95.713	104.6	120.25	271.5	374.8
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	12	37.15	43.917	96.3	3.6	779.171	27.914	7.02	26.2	71.375	91.65
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	12	13.55	17.125	34.5	8.5	77.26	8.79	8.83	11.175	25.525	33.21

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Annual Analysis for 1984 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	12	8.5	12.333	46.	7.	116.424	10.79	7.3	8.	11.5	36.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	12	161.	203.583	414.	61.	13185.538	114.828	73.9	118.5	306.25	406.2
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	12	2730.	2893.333	4750.	1240.	1325933.333	1151.492	1315.	2037.5	3752.5	4750.
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	12	2400.	2813.333	5300.	920.	1784187.879	1335.735	1121.	1790.	4002.5	5090.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	34 ##	50.	366.397	4900.	12.5	1266321.285	1125.309	12.5	50.	62.5	800.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	34 ##	1.699	1.789	3.69	1.097	0.391	0.626	1.097	1.699	1.774	2.724
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			61.528								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/05/76-01/07/88	12	0.	0.583	6.	0.	2.992	1.73	0.	0.	0.	4.5
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	12	39.	51.167	126.	0.	1398.879	37.402	5.4	23.	83.5	115.2
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/04/82-12/01/87	12	10.9	13.125	31.	4.4	80.8	8.989	4.49	5.	17.8	30.1

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Annual Analysis for 1985 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	12	11.5	11.292	26.	1.5	59.43	7.709	2.1	4.25	17.75	24.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-12/01/87	12	522.	830.833	2770.	91.	738517.97	859.371	91.	119.	1217.5	2563.
00065	STAGE, STREAM (FEET)	06/06/74-12/01/87	12	3.555	3.557	5.65	2.21	1.291	1.136	2.243	2.458	4.233	5.527
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	12	407.5	522.833	1020.	250.	77836.333	278.992	251.5	280.	807.5	986.7
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	10	9.35	10.31	14.5	7.5	5.257	2.293	7.53	8.7	12.2	14.33
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	11	4.5	4.664	6.	4.	0.496	0.704	4.	4.	5.3	5.91
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	11	4.5	4.327	6.	4.	0.621	0.788	4.	4.	5.3	5.91
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	11	31.623	47.132	100.	1.	1907.802	43.678	1.364	5.012	100.	100.
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	12	4.65	4.633	5.8	3.9	0.337	0.58	3.96	4.1	5.05	5.65
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	12	4.647	4.367	5.8	3.9	0.414	0.644	3.96	4.1	5.05	5.65
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	12	22.536	42.945	125.893	1.585	1650.656	40.628	2.613	9.105	79.433	111.955
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	7	2.	2.571	4.	2.	0.619	0.787	**	**	**	**
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/70-12/01/87	12	464.	478.333	822.	144.	60772.242	246.52	162.	242.	696.5	820.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/72-01/07/88	12	0.235	0.311	0.79	0.08	0.054	0.233	0.092	0.128	0.515	0.745
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	12	0.007	0.008	0.022	0.002	0.	0.005	0.002	0.005	0.01	0.019
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	12	0.735	0.778	1.33	0.38	0.138	0.372	0.38	0.415	1.143	1.306
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/72-01/07/88	12	0.05	0.076	0.29	0.01	0.005	0.074	0.016	0.033	0.1	0.236
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	03/08/82-01/07/88	12 ##	0.75	4.917	23.	0.5	66.129	8.132	0.5	0.5	4.75	22.4
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/05/76-01/07/88	12 ##	0.001	0.006	0.027	0.001	0.	0.009	0.001	0.001	0.005	0.026
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	12	176.	244.667	517.	90.	25953.333	161.1	90.9	115.5	407.5	512.8
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	12	30.05	38.983	107.5	4.6	1062.707	32.599	5.56	20.175	45.775	105.25
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	12	12.55	16.992	37.2	2.8	126.154	11.232	4.36	8.975	26.3	36.78
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	12	13.5	14.5	28.	6.	51.364	7.167	6.6	8.5	17.	27.7
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	12	175.5	231.083	514.	87.	20896.447	144.556	87.9	119.	366.	489.4
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	12	2375.	3375.	17900.	730.	21720172.727	4660.491	802.	1085.	3097.5	13508.
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	12	3465.	3979.167	7740.	1640.	3735753.788	1932.81	1805.	2352.5	5887.5	7362.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	28 ##	10.	41.964	400.	10.	5482.11	74.041	10.	10.	50.	64.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	28 ##	1.	1.356	2.602	1.	0.187	0.432	1.	1.	1.699	1.8
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			22.706								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/05/76-01/07/88	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	12	32.	38.667	102.	18.	536.242	23.157	18.	24.	49.	86.4
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/04/82-12/01/87	12	13.45	22.767	100.	1.8	735.546	27.121	2.19	3.85	30.5	81.1

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

Annual Analysis for 1986 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	12	11.75	12.333	21.5	3.	47.288	6.877	3.15	5.25	18.5	21.35
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-12/01/87	12	282.	1187.417	9000.	67.	6388671.72	2527.582	76.9	188.5	721.5	6960.
00065	STAGE, STREAM (FEET)	06/06/74-12/01/87	12	3.07	3.609	8.25	2.23	2.803	1.674	2.281	2.72	3.655	7.401
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	13	520.	509.077	815.	195.	32148.077	179.299	217.	405.	606.	804.6
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	13	9.1	9.454	12.8	6.1	4.708	2.17	6.5	7.65	11.55	12.6
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	13	5.	4.846	6.5	2.	1.089	1.044	3.	4.5	5.25	6.3
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	13	5.	3.106	6.5	2.	4.369	2.09	3.	4.5	5.25	6.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	13	10.	783.01	10000.	0.316	7669508.947	2769.388	0.59	5.661	31.623	6012.649
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	13	4.8	4.808	5.7	4.	0.179	0.423	4.08	4.7	5.05	5.5
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	13	4.8	4.618	5.7	4.	0.218	0.467	4.08	4.7	5.05	5.5
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	13	15.849	24.111	100.	1.995	740.325	27.209	3.721	8.972	19.953	85.238
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	11	2.	3.091	8.	2.	3.491	1.868	2.	2.	4.	7.2
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/70-12/01/87	13	390.	403.077	752.	126.	33435.744	182.854	129.2	321.	508.	717.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/72-01/07/88	13	0.19	0.292	0.84	0.02	0.062	0.249	0.052	0.125	0.475	0.768
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	13	0.008	0.007	0.012	0.002	0.	0.004	0.002	0.003	0.01	0.011
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	13	0.67	0.739	1.63	0.28	0.125	0.354	0.34	0.49	0.945	1.41
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/72-01/07/88	13	0.06	0.108	0.5	0.02	0.018	0.135	0.024	0.03	0.125	0.404
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	03/08/82-01/07/88	11 ##	0.5	2.318	8.	0.5	9.264	3.044	0.5	0.5	6.	7.8
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/05/76-01/07/88	12 ##	0.001	0.003	0.012	0.001	0.	0.004	0.001	0.001	0.006	0.011
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	13	220.	224.154	420.	63.	11190.474	105.785	72.6	148.5	299.	397.6
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	13	50.3	51.408	86.2	14.8	402.172	20.054	17.2	40.45	64.25	83.08
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	13	19.4	19.323	37.3	6.1	67.11	8.192	6.66	14.65	23.8	33.26
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	13	11.	11.231	15.	9.	2.859	1.691	9.4	10.	12.	14.6
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	13	216.	230.692	420.	56.	11246.731	106.051	66.	174.	308.	402.8
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	13	2210.	4983.077	25600.	810.	47259889.744	6874.583	866.	1255.	6350.	19480.
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	10	4090.	4881.	10300.	2550.	6475054.444	2544.613	2575.	3025.	6115.	10090.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	33 ##	50.	427.273	5900.	10.	1274989.205	1129.154	10.	10.	50.	1760.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	33 ##	1.699	1.694	3.771	1.	0.669	0.818	1.	1.	1.699	3.239
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			49.432								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/05/76-01/07/88	7	0.	0.	0.	0.	0.	0.	**	**	**	**
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	13	32.	38.	68.	16.	285.333	16.892	18.4	23.	55.	63.2
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/04/82-12/01/87	13	13.6	44.338	200.	1.5	4963.119	70.449	1.74	4.15	45.5	199.2

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

Annual Analysis for 1987 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	11	9.7	11.6	25.	1.	73.214	8.557	1.2	5.	20.5	24.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-12/01/87	12	347.5	796.583	2060.	108.	516961.356	719.	111.6	239.	1482.5	1949.
00065	STAGE, STREAM (FEET)	06/06/74-12/01/87	12	3.165	3.662	5.2	2.43	1.042	1.021	2.448	2.918	4.69	5.104
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	12	457.5	443.5	840.	265.	33350.636	182.622	265.	271.25	515.	792.
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	10	10.9	10.8	14.	8.4	2.729	1.652	8.42	9.35	11.7	13.8
00400	PH (STANDARD UNITS)	06/28/62-12/01/87	12	5.45	5.445	7.42	4.1	1.035	1.017	4.169	4.58	6.088	7.264
00400	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	12	5.425	4.782	7.42	4.1	1.514	1.231	4.169	4.58	6.088	7.264
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	12	3.762	16.523	79.433	0.038	599.597	24.487	0.064	1.05	26.618	69.635
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	12	4.8	5.075	6.2	4.	0.577	0.759	4.09	4.625	6.	6.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	12	4.789	4.658	6.2	4.	0.766	0.875	4.09	4.625	6.	6.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	12	16.271	21.963	100.	0.631	802.191	28.323	0.631	1.468	23.827	85.036
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	10	2.	3.3	8.	1.	4.9	2.214	1.1	2.	4.5	7.8
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/70-12/01/87	12	364.	415.667	1168.	182.	75306.788	274.421	183.2	219.5	480.5	1009.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/72-01/07/88	12	0.16	0.195	0.39	0.08	0.011	0.106	0.08	0.113	0.285	0.375
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	12	0.004	0.008	0.052	0.002	0.	0.014	0.002	0.003	0.008	0.039
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	12	0.825	0.843	1.44	0.3	0.141	0.376	0.318	0.495	1.138	1.407
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/72-01/07/88	12	0.065	0.12	0.61	0.03	0.026	0.162	0.033	0.04	0.113	0.49
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	03/08/82-01/07/88	12 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/05/76-01/07/88	12 ##	0.001	0.001	0.001	0.001	0.	0.	0.001	0.001	0.001	0.001

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

Annual Analysis for 1987 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	12	188.5	183.417	390.	90.	7838.083	88.533	94.5	105.25	218.75	357.9
00916p	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	12	45.75	43.467	99.9	22.1	476.206	21.822	22.88	24.725	51.125	87.6
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	12	17.05	16.85	37.	8.6	69.481	8.336	8.75	9.575	20.05	33.52
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	12	11.	11.5	21.	6.	15.727	3.966	6.3	9.25	13.5	19.2
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	12	187.5	191.417	397.	102.	8471.538	92.041	102.3	104.25	244.5	364.3
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	12	2340.	2399.167	4500.	980.	968408.333	984.077	1082.	1787.5	2577.5	4323.
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	1	2950.	2950.	2950.	2950.	0.	0.	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	33 ##	50.	109.848	700.	10.	34225.758	185.002	10.	10.	50.	500.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	33 ##	1.699	1.633	2.845	1.	0.319	0.565	1.	1.	1.699	2.699
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			42.945								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/05/76-01/07/88	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	12	39.	36.333	82.	8.	456.606	21.368	9.2	16.5	50.	74.2
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/04/82-12/01/87	12	7.3	8.833	26.	1.4	51.252	7.159	1.43	3.975	11.5	23.6

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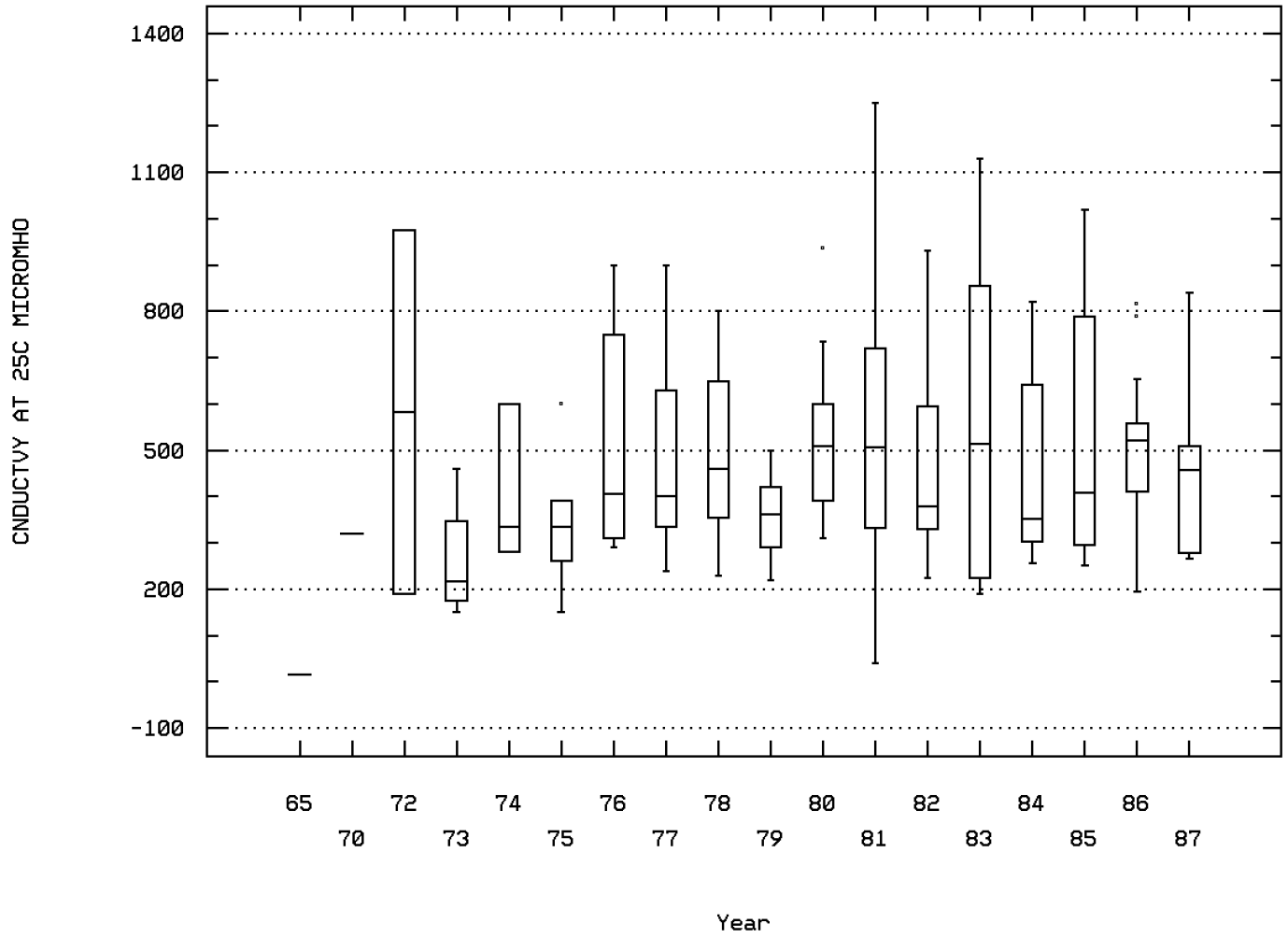
Annual Analysis for 1988 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/72-01/07/88	1	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	1	1.26	1.26	1.26	1.26	0.	0.	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/72-01/07/88	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00719	CYANIDE,FREE,IN WATER&WASTEWATERS,HBG METHOD UG/L	03/08/82-01/07/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00720p	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/05/76-01/07/88	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	1	166.	166.	166.	166.	0.	0.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	1	175.	175.	175.	175.	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	1	4950.	4950.	4950.	4950.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	1	2830.	2830.	2830.	2830.	0.	0.	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	3 ##	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			50.								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/05/76-01/07/88	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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Station: ALP00348 Parameter Code: 00095

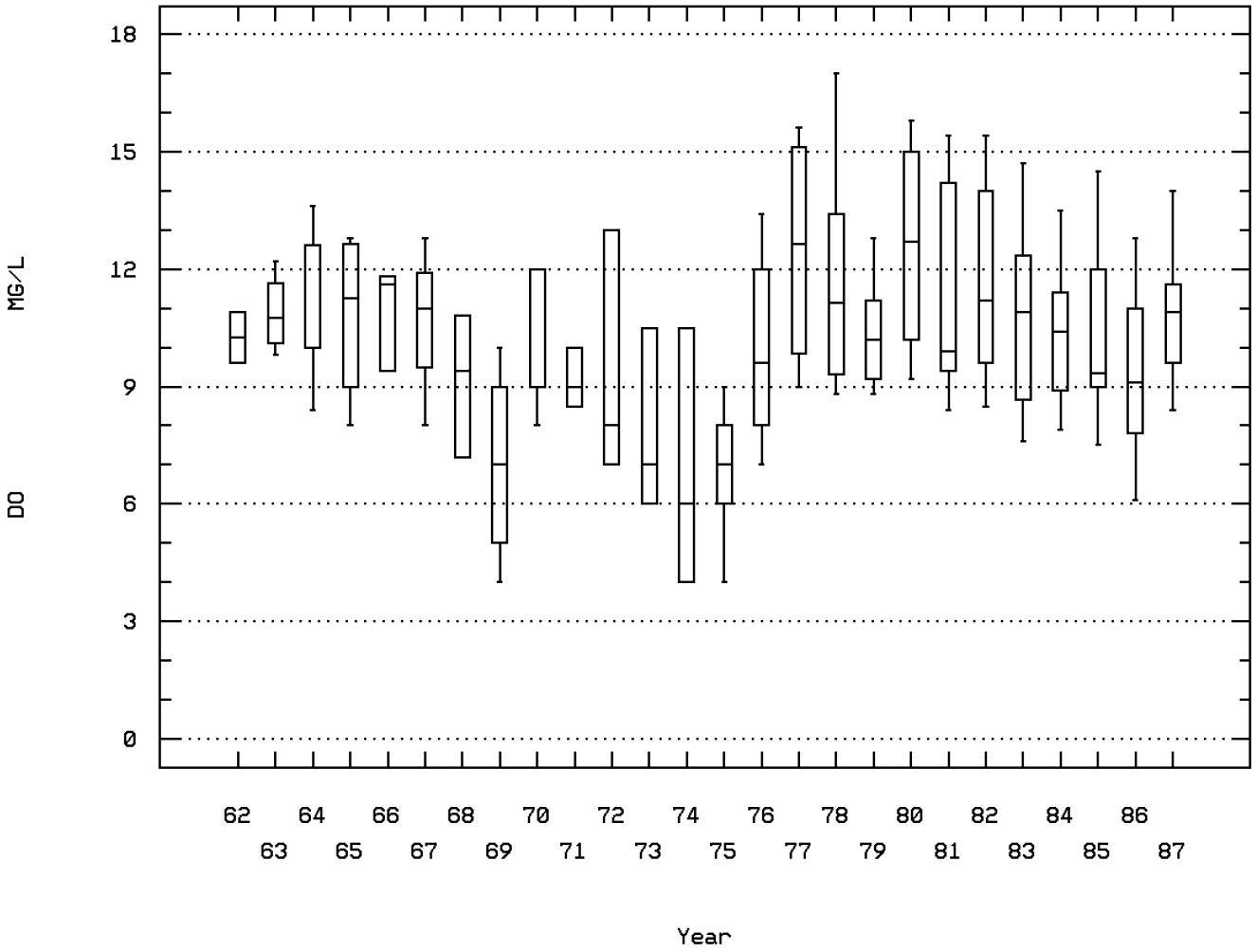
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00300

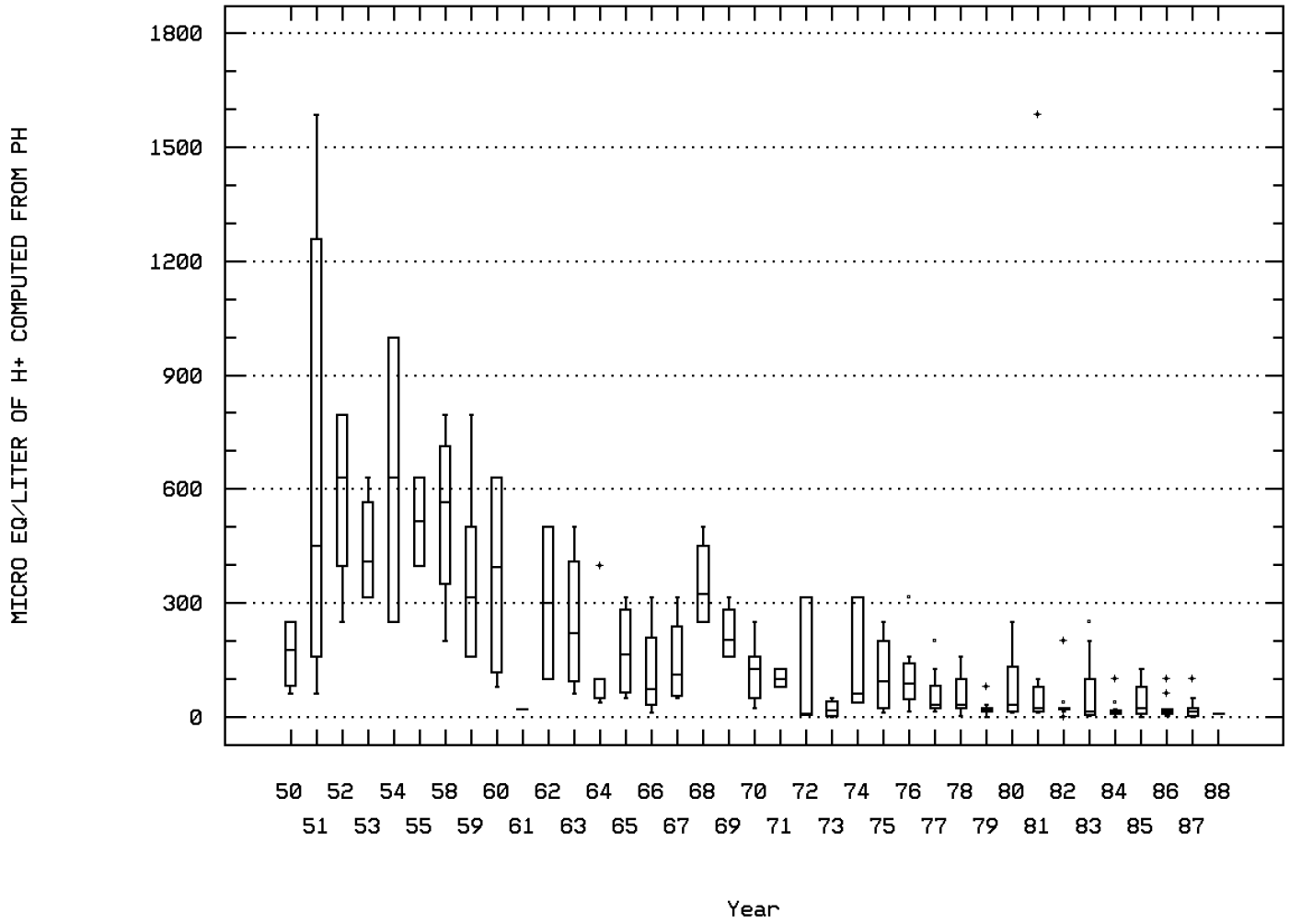
OXYGEN, DISSOLVED



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00403

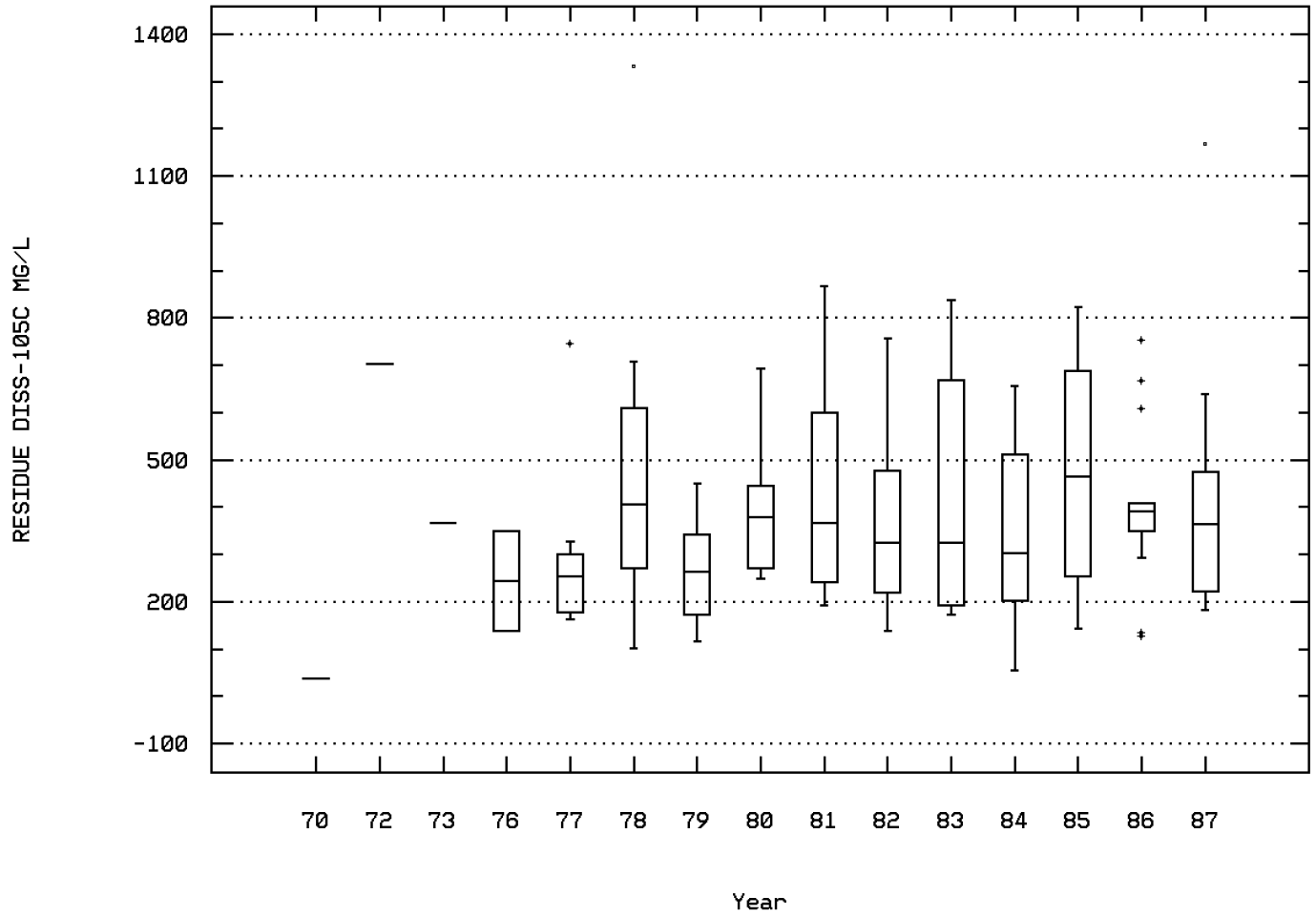
MICRO EQ/LITER OF H+ COMPUTED FROM PH



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00515

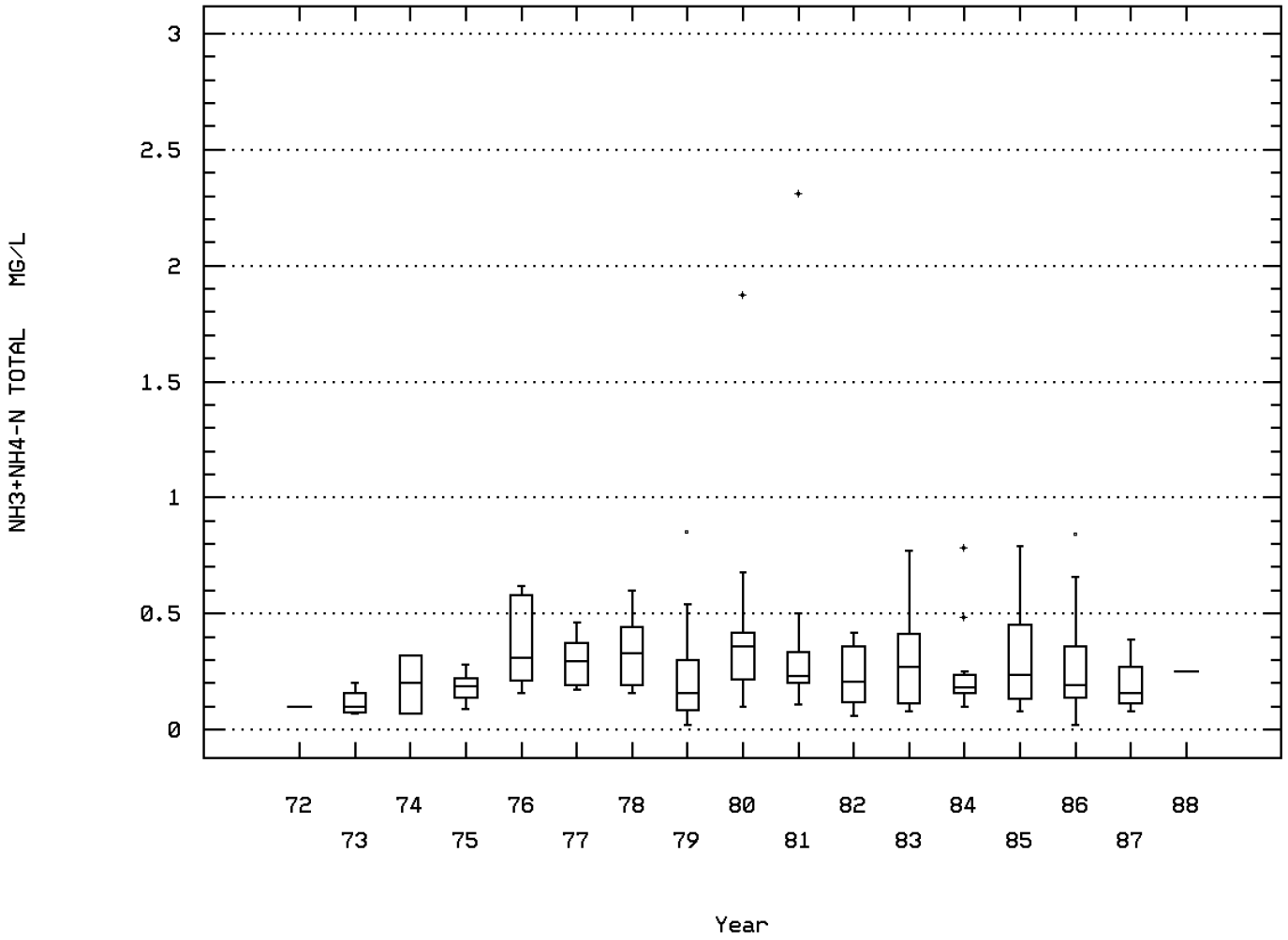
RESIDUE, TOTAL FILTRABLE (DRIED AT 105



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00610

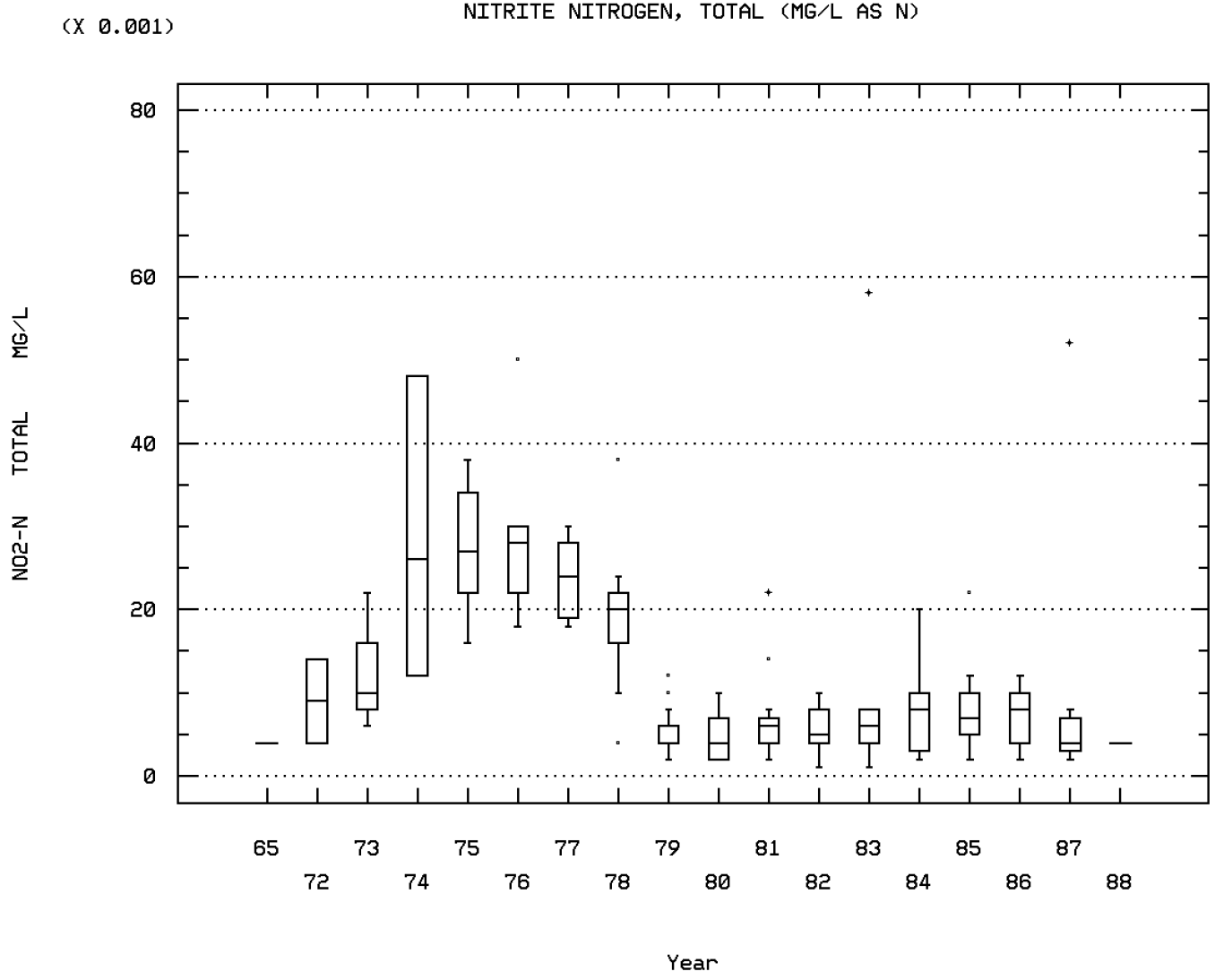
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00615

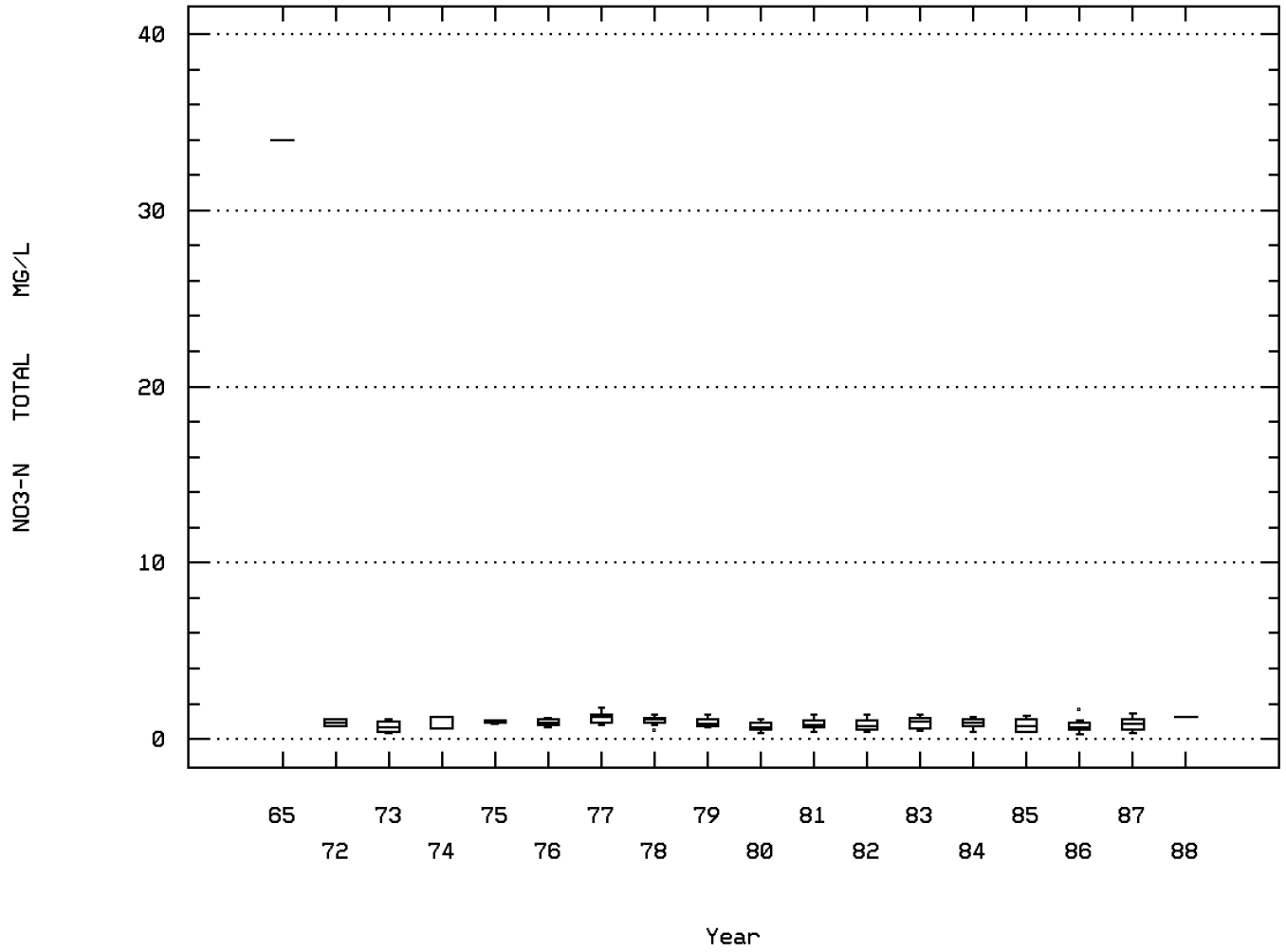
NITRITE NITROGEN, TOTAL (MG/L AS N)



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00620

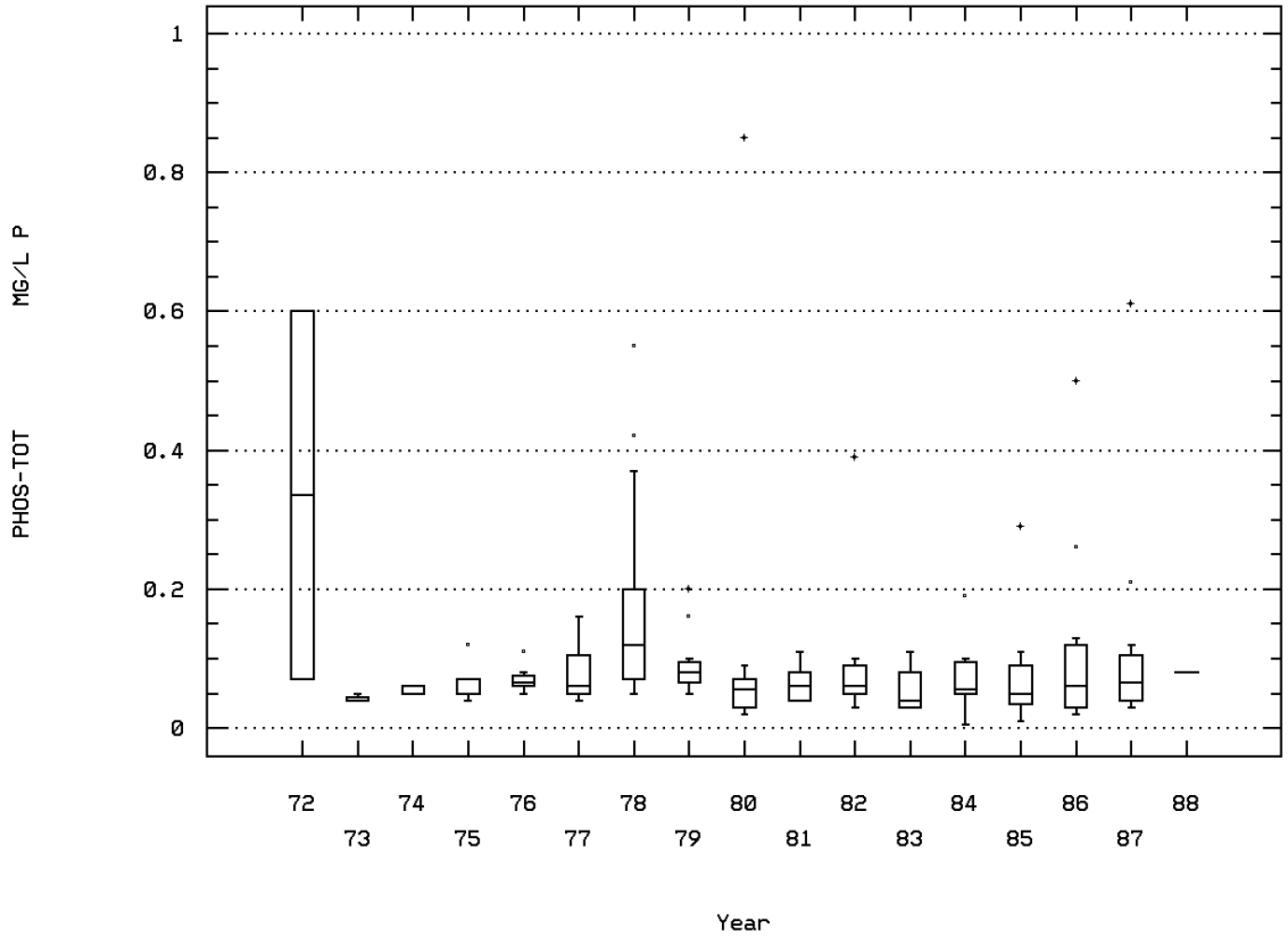
NITRATE NITROGEN, TOTAL (MG/L AS N)



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00665

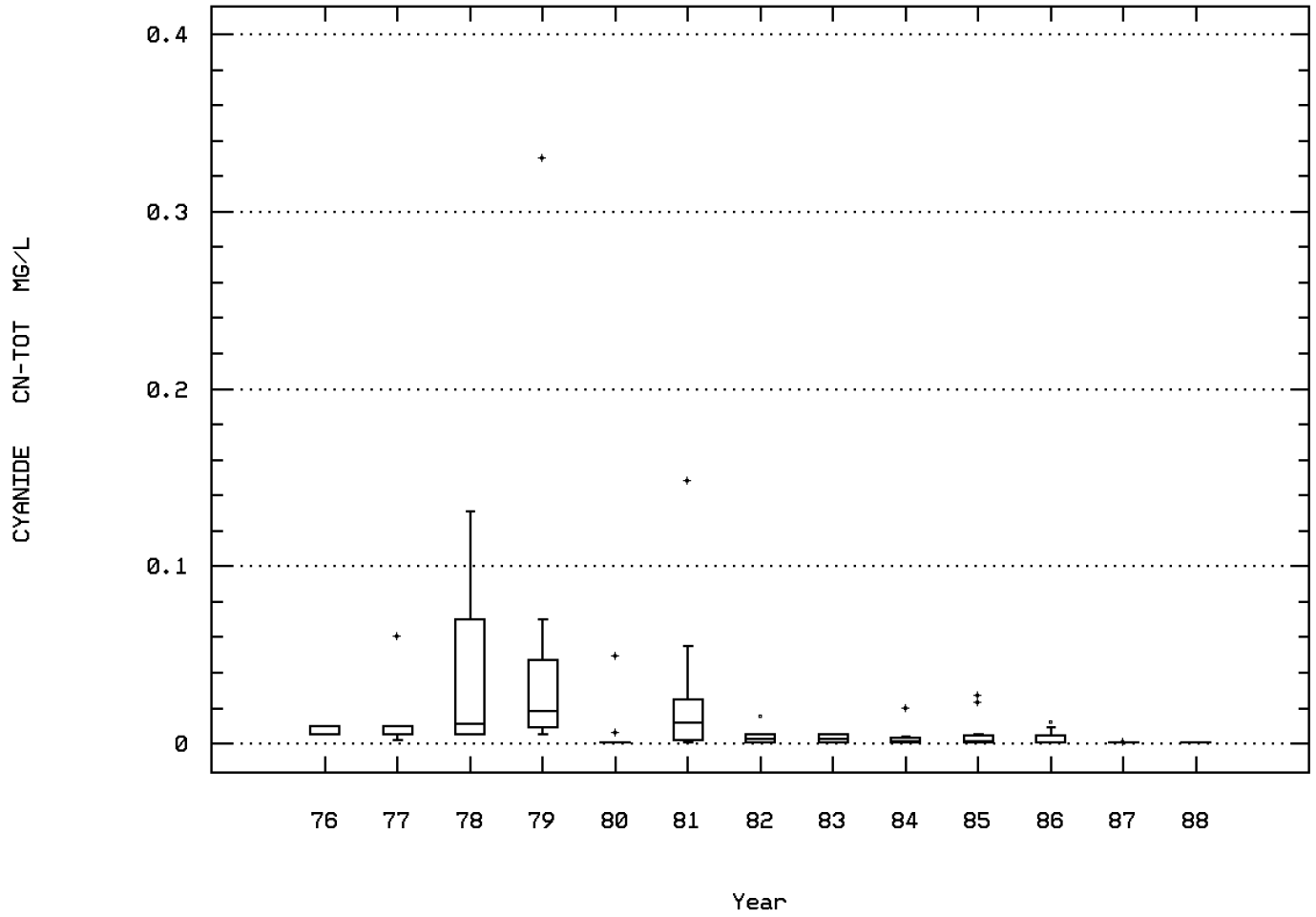
PHOSPHORUS, TOTAL (MG/L AS P)



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00720

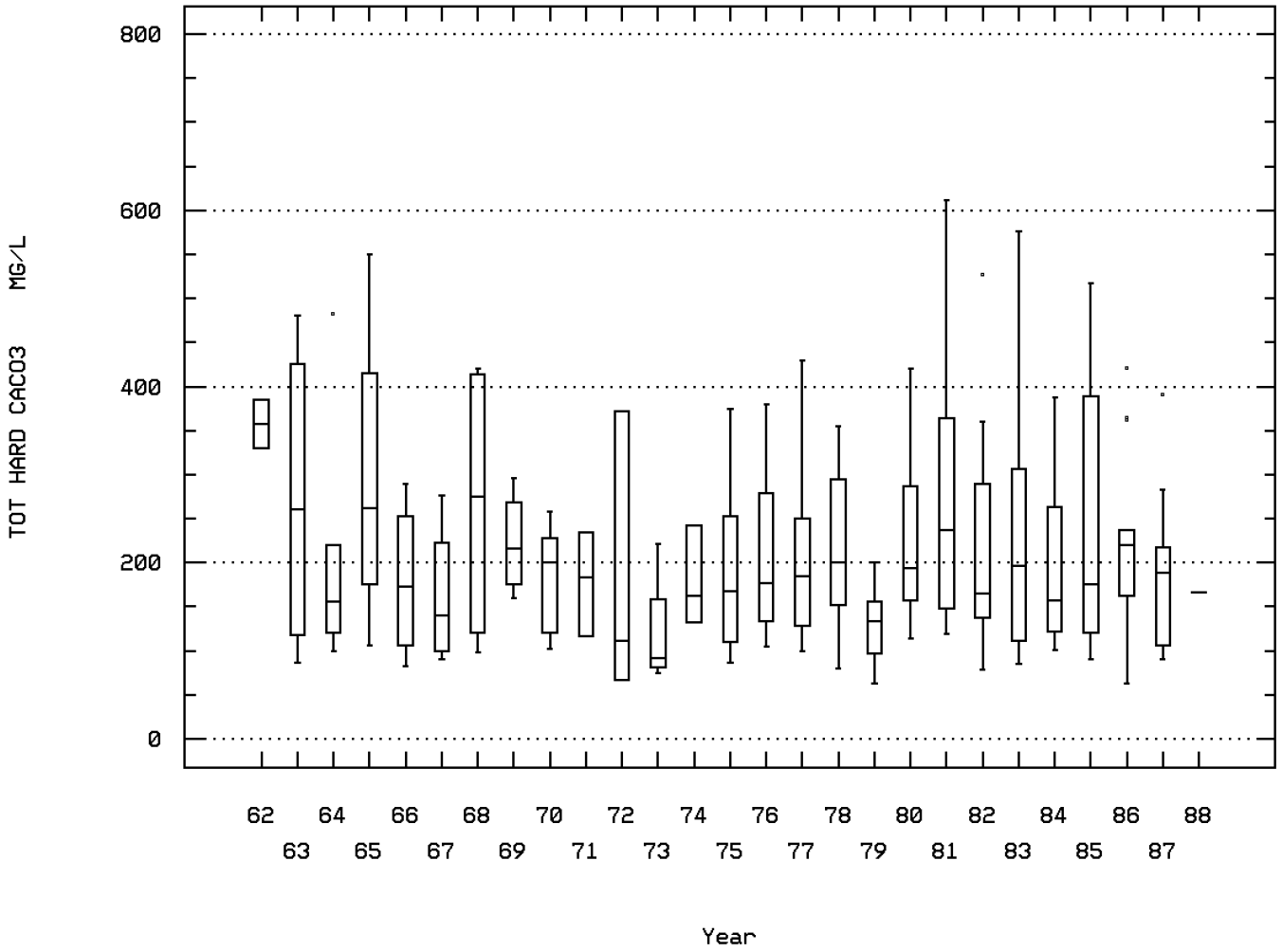
CYANIDE, TOTAL (MG/L AS CN)



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00900

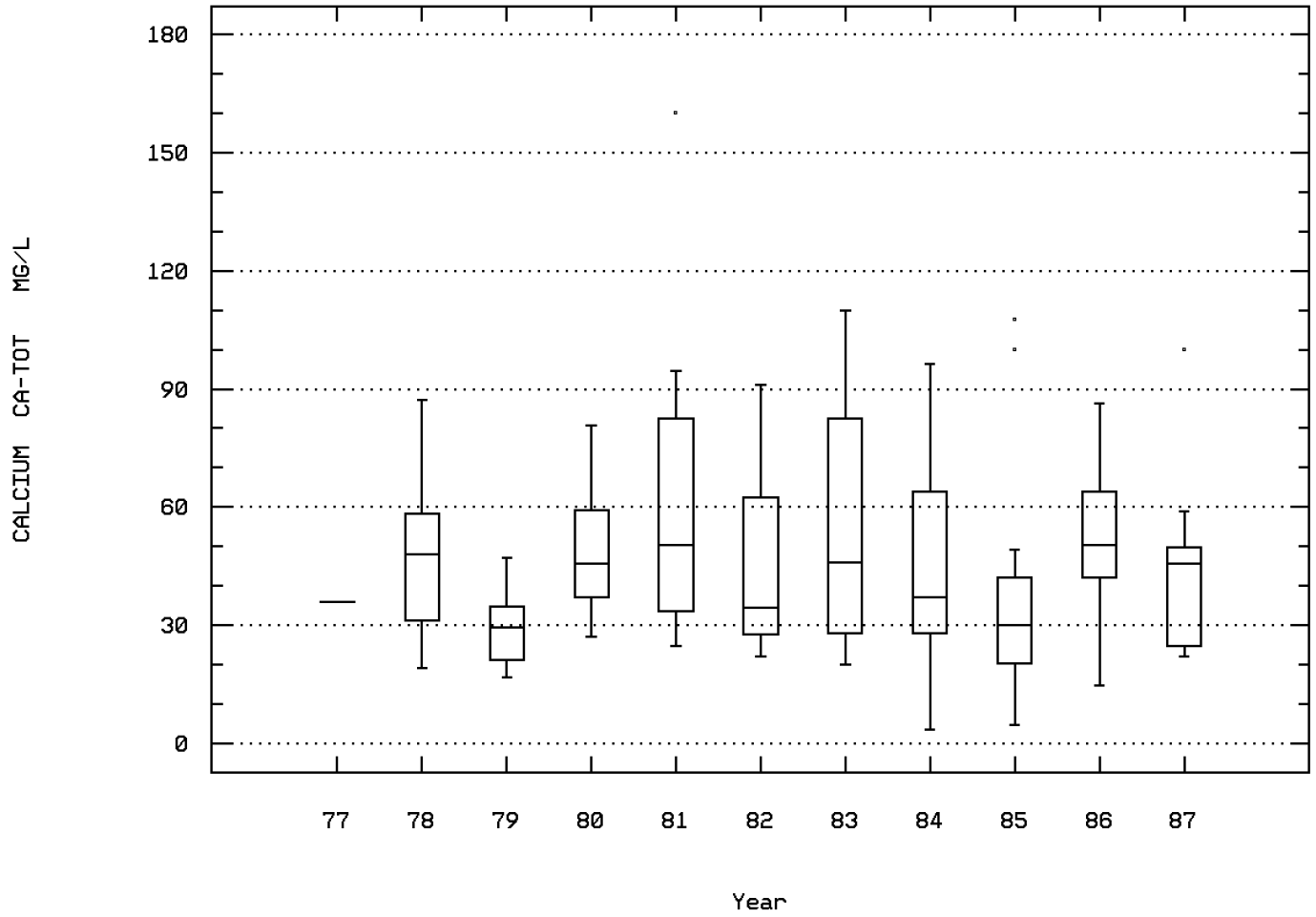
HARDNESS, TOTAL (MG/L AS CACO3)



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00916

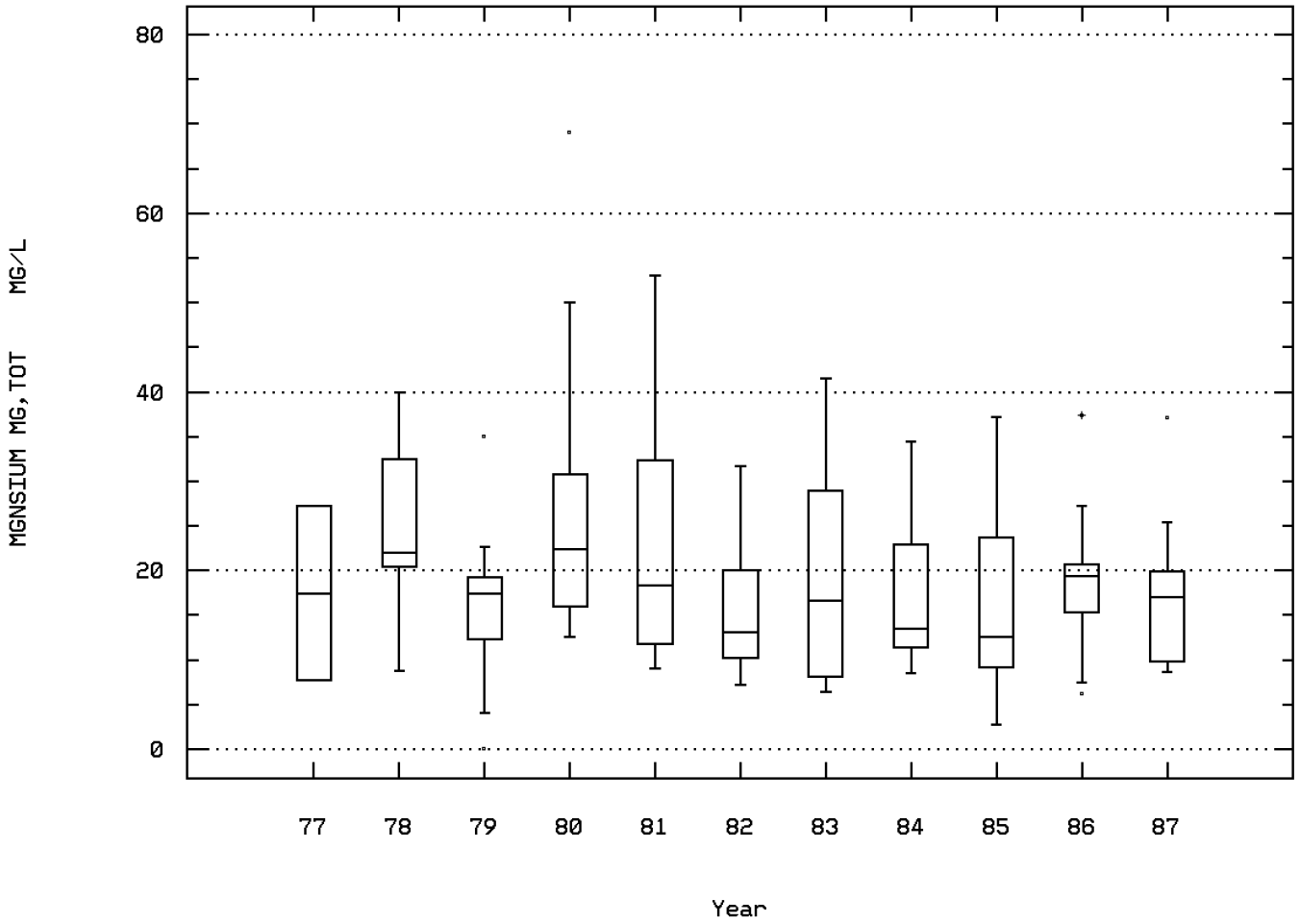
CALCIUM, TOTAL (MG/L AS CA)



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00927

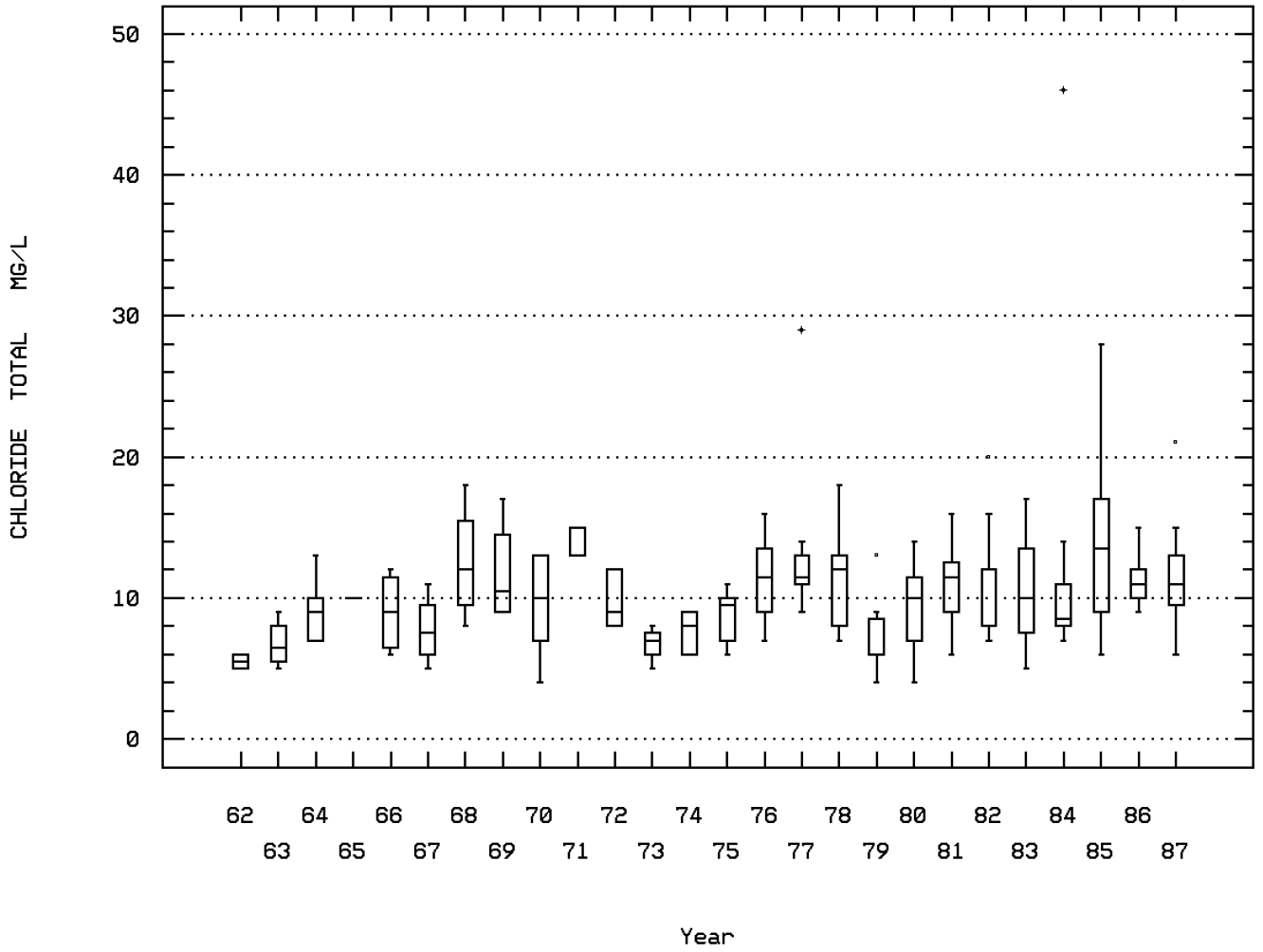
MAGNESIUM, TOTAL (MG/L AS MG)



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00940

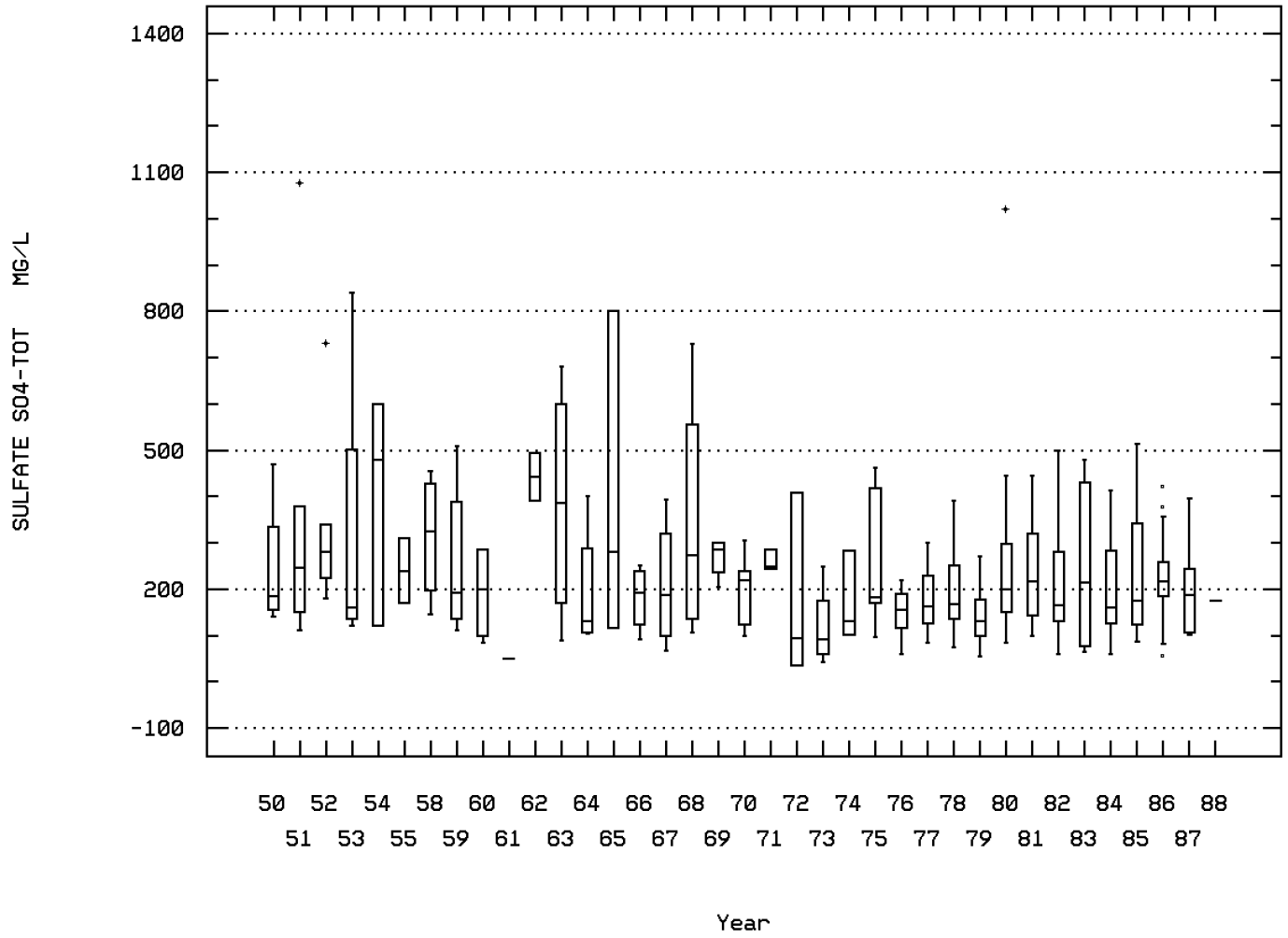
CHLORIDE,TOTAL IN WATER



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00945

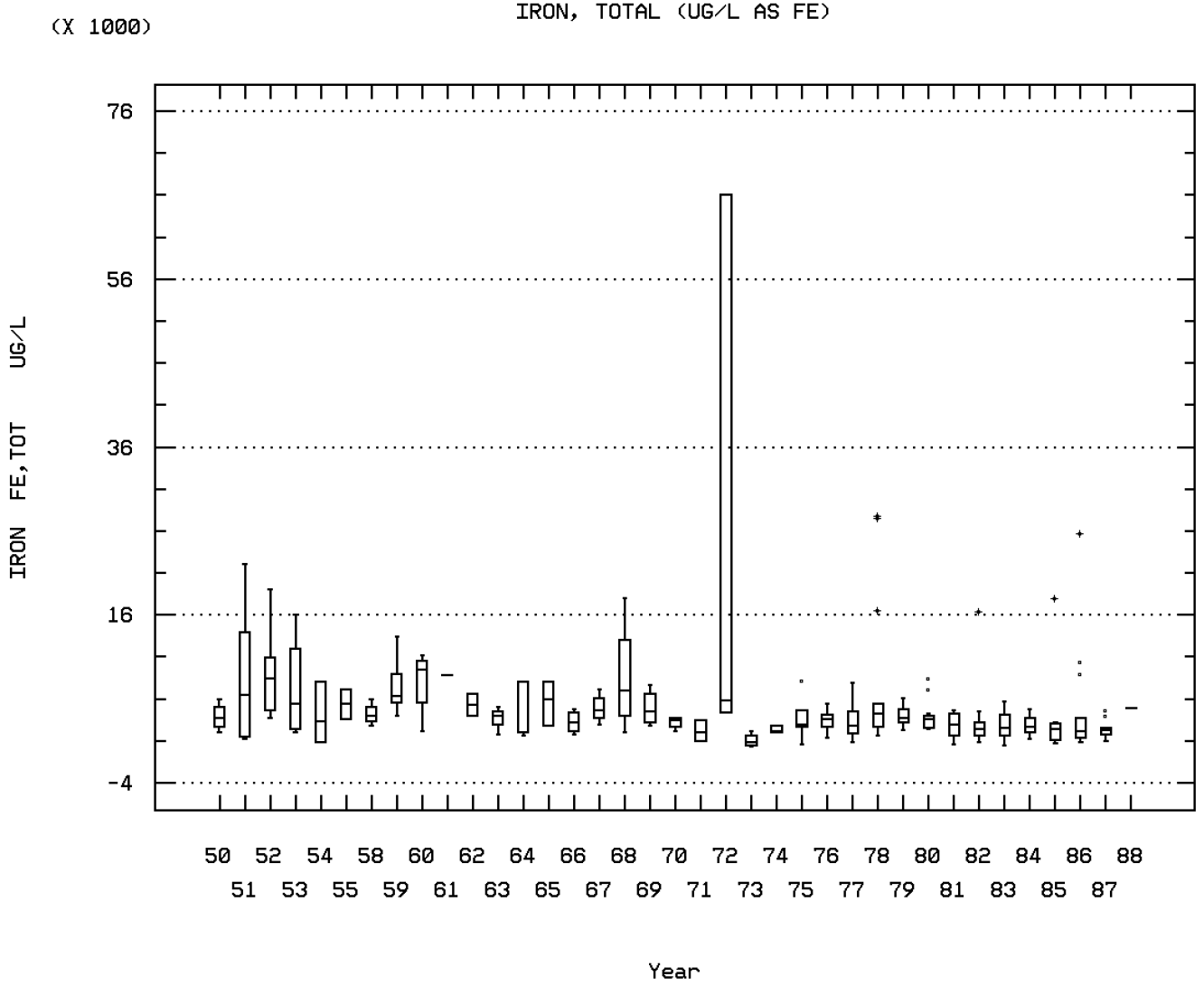
SULFATE, TOTAL (MG/L AS SO4)



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 01045

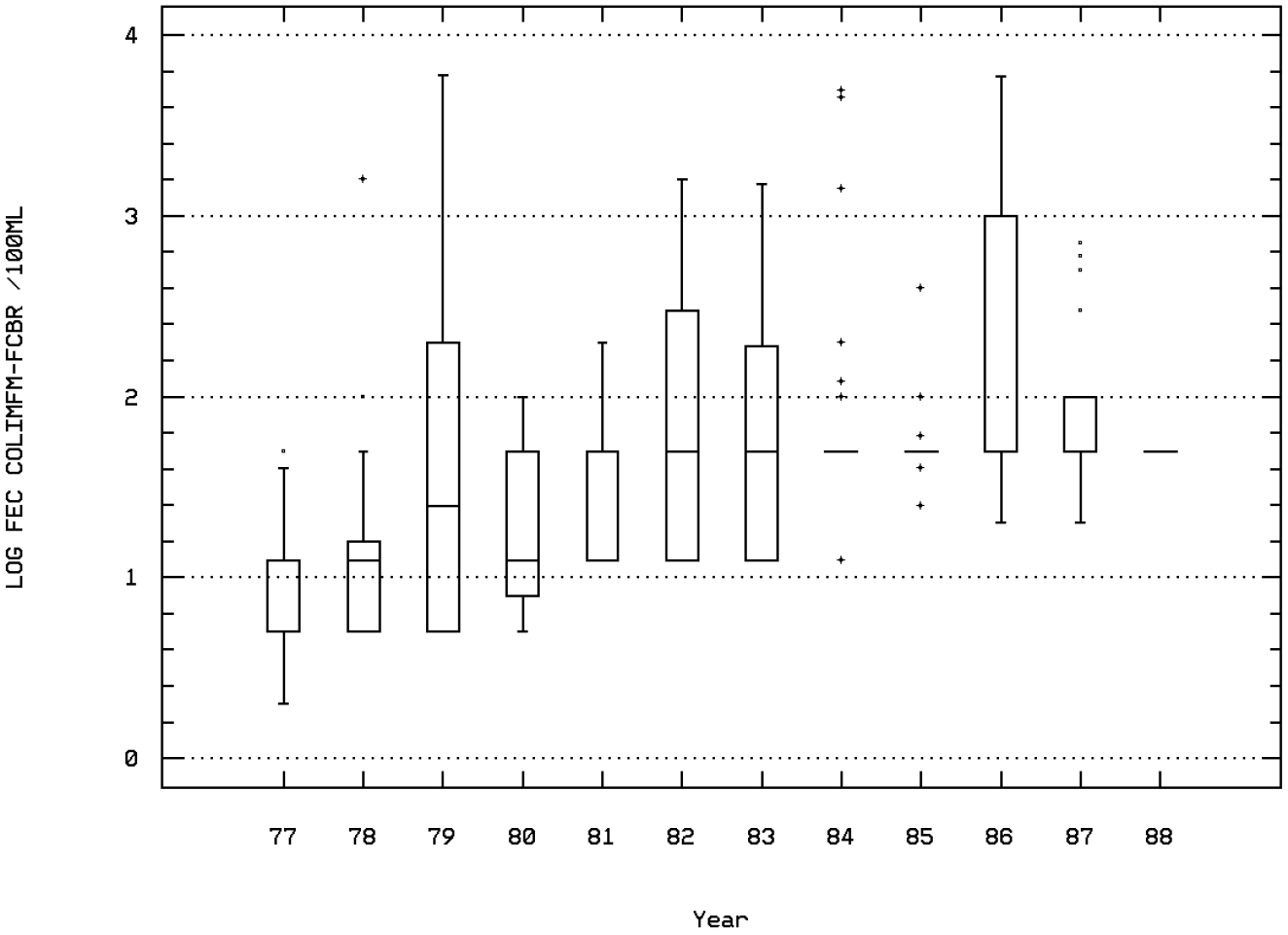
IRON, TOTAL (UG/L AS FE)



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 31616

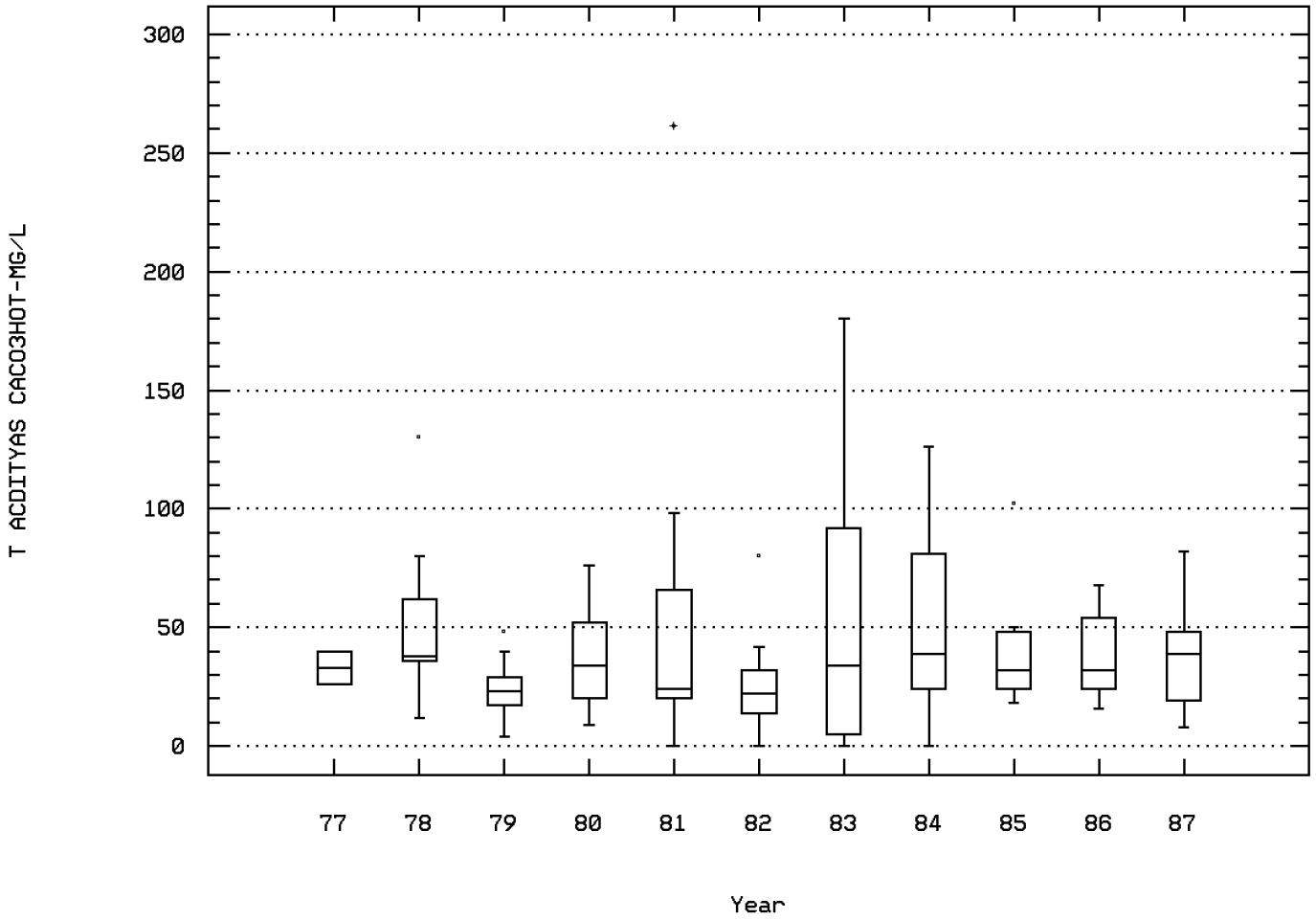
LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 70508

ACIDITY, TOTAL, HOT (MG/L AS CACO3)



STONY CRK-RTE 53 BR-FERNDALE

Seasonal Analysis for Season #1: 8/01 to 10/31 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	48	19.	18.16	26.	6.	25.983	5.097	9.97	13.5	21.15	25.
00060p	FLOW, STREAM, MEAN DAILY CFS	03/31/50-09/05/78	43	92.	171.791	1300.	15.	60694.455	246.362	22.4	46.	167.	397.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-12/01/87	28	110.	142.179	460.	63.	8196.3	90.533	66.7	88.75	157.75	287.
00065	STAGE, STREAM (FEET)	06/06/74-12/01/87	34	2.5	2.777	5.6	2.21	0.623	0.789	2.305	2.348	2.955	3.4
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/28/62-10/04/77	22	10.5	11.659	35.	2.5	62.866	7.929	3.45	5.	15.	22.2
00080	COLOR (PLATINUM-COBALT UNITS)	06/28/62-05/18/78	11	0.	1.818	10.	0.	11.364	3.371	0.	0.	5.	9.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	41	725.	682.22	1130.	150.	62034.676	249.068	324.	507.5	857.	967.
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	46	9.	8.943	12.7	4.	2.402	1.55	7.	8.	9.825	10.93
00310	BOD, 5 DAY, 20 DEG C MG/L	06/28/62-12/12/77	10	1.05	1.05	2.	0.	0.416	0.645	0.04	0.475	1.725	1.98
00400p	PH (STANDARD UNITS)	06/28/62-12/01/87	43	4.1	4.374	7.	2.	1.24	1.113	3.2	3.6	4.9	6.24
00400p	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	43	4.1	3.395	7.	2.	2.221	1.49	3.2	3.6	4.9	6.24
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	43	79.433	403.034	10000.	0.1	2299838.812	1516.522	0.639	12.589	251.189	630.957
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	66	3.8	3.9	6.7	2.8	0.464	0.681	3.2	3.475	4.1	4.7
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	66	3.8	3.579	6.7	2.8	0.569	0.754	3.2	3.475	4.1	4.7
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	66	158.489	263.668	1584.893	0.2	90886.302	301.474	19.953	79.433	336.698	630.957
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	36	0.	1.833	22.	0.	16.657	4.081	0.	0.	2.	5.3
00436p	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	07/28/50-09/05/85	42	12.	17.19	68.	0.	263.085	16.22	1.3	4.	24.75	37.4
00437p	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	03/31/50-10/04/77	34	115.	115.412	288.	26.	3914.977	62.57	34.	62.	151.	196.
00500	RESIDUE, TOTAL (MG/L)	06/28/62-09/08/80	12	626.	698.583	1130.	254.	76640.447	276.84	288.8	485.	950.	1097.6
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/70-12/01/87	33	640.	571.152	838.	164.	38565.258	196.38	208.4	386.	704.	793.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	26	12.	24.269	224.	2.	1858.045	43.105	2.	5.	25.5	49.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/72-01/07/88	41	0.3	0.356	0.84	0.02	0.049	0.222	0.104	0.185	0.575	0.678
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	41	0.008	0.013	0.058	0.001	0.	0.013	0.002	0.004	0.019	0.033
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	41	0.58	0.62	1.17	0.28	0.053	0.229	0.364	0.425	0.785	1.018
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/72-01/07/88	40	0.06	0.074	0.42	0.01	0.005	0.069	0.03	0.04	0.08	0.109
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/08/75-01/07/88	10	1.95	1.94	4.	0.5	1.247	1.117	0.55	1.	3.	3.9
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/05/76-01/07/88	31	0.003	0.007	0.031	0.001	0.	0.009	0.001	0.001	0.01	0.02
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	52	322.5	312.327	576.	63.	16657.518	129.064	117.2	196.25	399.	481.4
00916	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	29	78.7	72.903	110.	20.	688.613	26.241	35.2	49.15	93.85	106.5
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	28	31.6	29.568	50.	0.	120.92	10.996	13.01	26.975	37.15	40.15
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	52	11.	11.096	28.	5.	18.128	4.258	6.	9.	12.	15.7
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	66	367.5	358.121	1075.	42.	37905.4	194.693	137.9	218.	434.	624.
01027	CADMIUM, TOTAL (UG/L AS CD)	06/06/74-09/24/87	10 ##	0.75	1.4	5.	0.5	2.198	1.482	0.5	0.5	1.875	4.8
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/06/74-09/24/87	10 ##	5.	8.6	35.	2.	96.933	9.845	2.	2.	10.	32.5
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	66	2630.	3878.03	22000.	280.	16593923.753	4073.564	941.	1400.	4605.	8000.
01105p	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	47	5260.	7535.234	41000.	0.	59880004.096	7738.217	1976.	3800.	7740.	19800.
01501	ALPHA, TOTAL	06/17/64-12/03/70	8 ##	1.	1.125	3.	0.5	0.696	0.835	**	**	**	**
03501	BETA, TOTAL	06/17/64-12/03/70	8	6.	6.875	13.	3.	14.411	3.796	**	**	**	**
31507	COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508)	06/28/62-03/12/71	9	0.	88.667	490.	0.	27491.	165.804	0.	0.	144.	490.
31507	LOG COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 3150	06/28/62-03/12/71	9	0.	0.912	2.69	0.	1.303	1.141	0.	0.	2.107	2.69
31507	GM COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508	GEOMETRIC MEAN =			8.161								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	79 ##	12.5	118.386	6000.	5.	453742.474	673.604	10.	10.	50.	100.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	79 ##	1.097	1.389	3.778	0.699	0.282	0.531	1.	1.	1.699	2.
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			24.464								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/05/76-01/07/88	31	0.	3.629	43.	0.	81.533	9.03	0.	0.	0.5	15.
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	28	56.	64.571	180.	0.	1751.365	41.849	14.8	42.5	84.5	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

Seasonal Analysis for Season #2: 11/01 to 3/31 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	70	3.3	3.284	20.5	-4.6	13.968	3.737	0.	1.	6.425	-0.8
00060p	FLOW, STREAM, MEAN DAILY CFS	03/31/50-09/05/78	52	545.5	751.462	4500.	65.	622227.626	788.814	150.	247.	946.	1682.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-12/01/87	46	495.	936.5	9000.	92.	1878744.611	1370.673	174.1	276.75	1235.	2066.
00065	STAGE, STREAM (FEET)	06/06/74-12/01/87	57	3.59	3.797	8.25	2.4	1.141	1.068	2.694	3.035	4.425	5.252
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/28/62-10/04/77	27	15.	21.556	60.	7.	207.026	14.388	10.	10.	30.	47.6

** - 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 3/31 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00080	COLOR (PLATINUM-COBALT UNITS)	06/28/62-05/18/78	17	0.	3.971	25.	0.	41.452	6.438	0.	0.	5.	13.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	63	360.	388.429	1250.	39.	29599.991	172.046	229.	265.	490.	558.
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	66	12.35	12.102	17.	4.	6.473	2.544	8.28	10.975	13.825	15.4
00310	BOD, 5 DAY, 20 DEG C MG/L	06/28/62-12/12/77	17	2.	2.429	9.	0.4	4.14	2.035	0.56	1.05	3.2	5.4
00400p	PH (STANDARD UNITS)	06/28/62-12/01/87	63	4.98	5.01	7.42	3.1	0.804	0.897	3.9	4.3	5.5	6.3
00400p	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	63	4.98	4.332	7.42	3.1	1.271	1.127	3.9	4.3	5.5	6.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	63	10.471	46.53	794.328	0.038	12104.443	110.02	0.59	3.162	50.119	125.893
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	92	4.7	4.622	6.6	2.8	0.64	0.8	3.53	4.2	5.	5.8
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	92	4.7	4.004	6.6	2.8	1.026	1.013	3.53	4.2	5.	5.8
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	92	19.953	99.108	1584.893	0.251	45305.965	212.852	1.585	10.	63.096	296.716
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	75	4.	5.136	80.	0.	84.09	9.17	1.	2.	6.	8.
00436p	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	07/28/50-09/05/85	33	2.	7.727	100.	0.	305.33	17.474	0.	0.	10.	16.4
00437p	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	03/31/50-10/04/77	38	42.	46.211	110.	4.	621.576	24.931	19.8	26.	60.	88.
00500	RESIDUE, TOTAL (MG/L)	06/28/62-09/08/80	24	283.	309.083	498.	146.	9591.819	97.938	200.	238.	380.	481.5
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/70-12/01/87	56	293.	323.875	1168.	102.	35734.62	189.036	138.	195.	385.	469.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	44	20.	28.705	168.	2.	906.678	30.111	5.5	10.	39.5	51.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/72-01/07/88	64	0.245	0.29	1.87	0.06	0.063	0.25	0.11	0.163	0.348	0.465
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	64	0.008	0.012	0.05	0.001	0.	0.011	0.002	0.004	0.018	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	64	1.08	1.051	1.77	0.3	0.079	0.281	0.675	0.905	1.215	1.365
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/72-01/07/88	62	0.07	0.119	0.85	0.03	0.02	0.142	0.04	0.058	0.12	0.207
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/08/75-01/07/88	15	2.4	2.807	9.	0.5	4.328	2.08	0.8	1.3	3.	6.6
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/05/76-01/07/88	55	0.004	0.012	0.131	0.001	0.001	0.026	0.001	0.001	0.005	0.044
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	80	147.	166.638	612.	63.	7004.437	83.693	90.	107.	204.5	254.1
00916	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	52	36.8	40.633	160.	3.6	509.93	22.582	20.86	27.075	49.375	58.51
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	52	16.2	18.019	69.	6.1	143.604	11.984	7.79	9.525	21.225	29.81
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	79	11.	11.848	46.	5.	30.156	5.491	7.	8.	13.	17.
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	91	154.	177.769	1020.	34.	14394.091	119.975	80.2	105.	225.	284.
01027	CADMIUM, TOTAL (UG/L AS CD)	06/06/74-09/24/87	2 ##	1.25	1.25	1.5	1.	0.125	0.354	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/06/74-09/24/87	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	92	4200.	5855.402	66000.	570.	55511995.43	7450.637	2235.	2945.	6000.	10000.
01105p	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	59	3050.	3445.593	19000.	0.	7332573.349	2707.872	1420.	2010.	3830.	6000.
01501	ALPHA, TOTAL	06/17/64-12/03/70	11 ##	1.	1.364	5.	0.5	2.005	1.416	0.5	0.5	1.5	4.6
03501	BETA, TOTAL	06/17/64-12/03/70	11	3.	3.273	7.	1.5	3.518	1.876	1.5	1.5	4.	6.8
31507	COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508)	06/28/62-03/12/71	14	380.	668.571	2400.	110.	437628.571	661.535	120.	162.5	1022.5	1850.
31507	LOG COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 3150	06/28/62-03/12/71	14	2.576	2.623	3.38	2.041	0.199	0.446	2.078	2.209	3.005	3.247
31507	GM COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508	GEOMETRIC MEAN =			419.536								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	127 ##	50.	228.256	4900.	2.	459440.535	677.82	5.	10.	50.	520.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	127 ##	1.699	1.581	3.69	0.301	0.536	0.732	0.699	1.	1.699	2.715
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			38.07								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/05/76-01/07/88	54	0.	13.574	406.	0.	3534.296	59.45	0.	0.	5.	5.5
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	51	26.	33.902	261.	0.	1411.49	37.57	5.	18.	40.	59.2

** - 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: 4/01 to 7/31 - Station ALPO0348

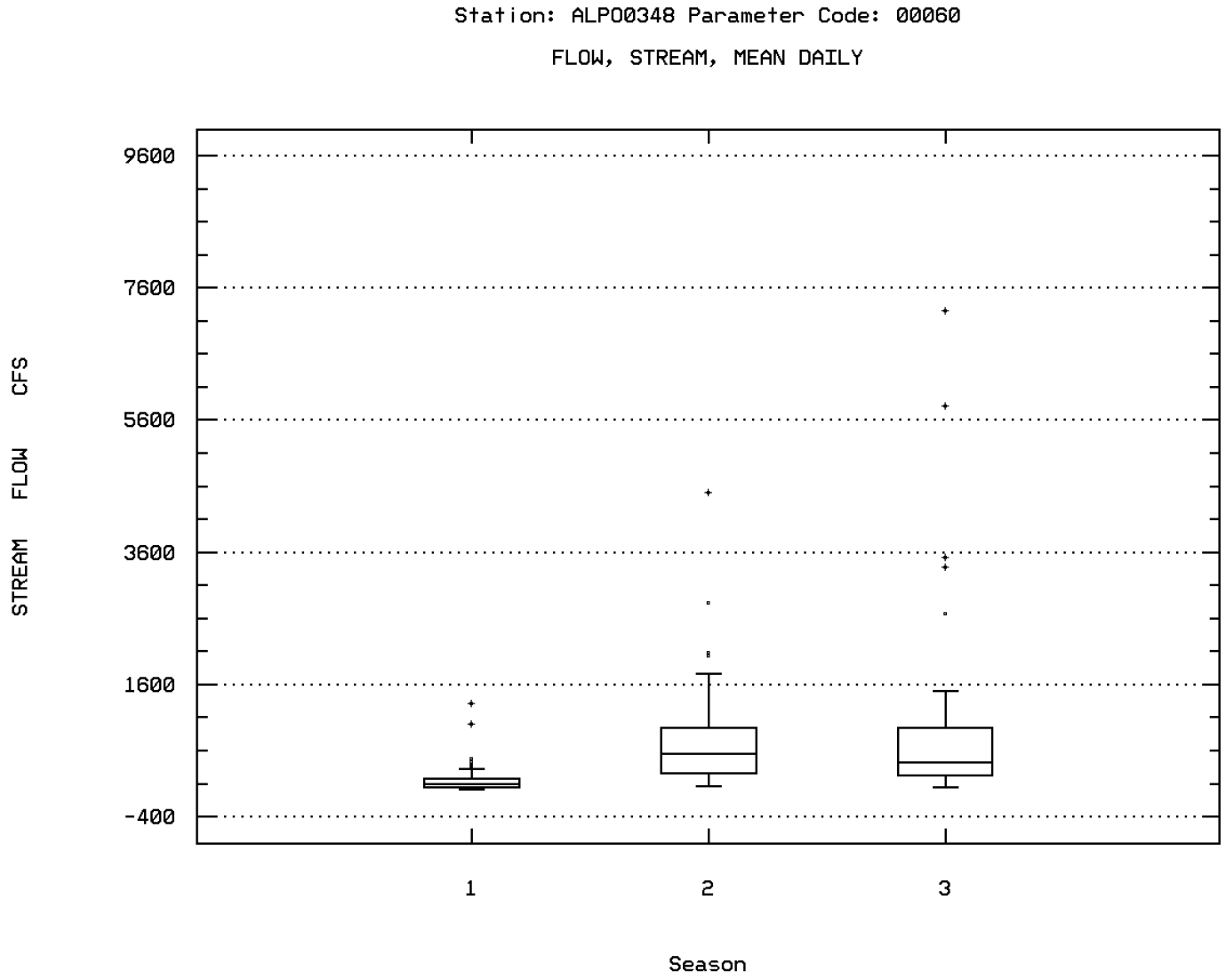
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/62-12/01/87	54	16.05	15.185	27.	1.	30.208	5.496	8.1	11.	18.125	23.5
00060p	FLOW, STREAM, MEAN DAILY CFS	03/31/50-09/05/78	41	426.	1100.634	7250.	41.	3269818.688	1808.264	67.6	221.5	974.	3488.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/11/73-12/01/87	31	623.	902.839	3190.	69.	607986.473	779.735	204.2	270.	1330.	1916.
00065	STAGE, STREAM (FEET)	06/06/74-12/01/87	41	3.65	3.66	6.08	1.15	0.905	0.951	2.592	2.97	4.19	4.952
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/28/62-10/04/77	20	6.75	23.825	250.	1.	3125.534	55.906	2.05	4.625	17.5	74.
00080	COLOR (PLATINUM-COBALT UNITS)	06/28/62-05/18/78	13	0.	2.115	10.	0.	10.256	3.203	0.	0.	5.	8.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/08/65-12/01/87	47	360.	406.064	900.	15.	27068.105	164.524	250.	305.	476.	635.
00300p	OXYGEN, DISSOLVED MG/L	06/28/62-11/04/87	55	9.7	9.642	14.1	4.	3.243	1.801	7.38	8.5	10.9	11.52
00310	BOD, 5 DAY, 20 DEG C MG/L	06/28/62-12/12/77	11	1.6	4.327	32.	0.4	84.992	9.219	0.42	1.2	2.4	26.32
00400p	PH (STANDARD UNITS)	06/28/62-12/01/87	47	4.7	4.684	6.7	0.45	1.08	1.039	3.48	4.1	5.2	6.05

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

Seasonal Analysis for Season #3: 4/01 to 7/31 - Station ALPO0348

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	CONVERTED PH (STANDARD UNITS)	06/28/62-12/01/87	47	4.7	2.119	6.7	0.45	7.806	2.794	3.48	4.1	5.2	6.05
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/62-12/01/87	47	19.953	7611.889	354813.389	0.22677	610626.222	51745.634	0.912	6.31	79.433	332.604
00403p	PH, LAB, STANDARD UNITS SU	03/31/50-01/07/88	74	4.4	4.332	6.2	3.	0.394	0.628	3.5	3.875	4.8	5.
00403p	CONVERTED PH, LAB, STANDARD UNITS	03/31/50-01/07/88	74	4.4	3.93	6.2	3.	0.558	0.747	3.5	3.875	4.8	5.
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/50-01/07/88	74	39.811	117.447	1000.	0.631	31318.525	176.97	10.	15.849	134.042	316.228
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/50-01/07/88	60	2.	2.8	26.	0.	14.332	3.786	0.	1.	3.75	6.
00436p	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	07/28/50-09/05/85	25	8.	11.2	60.	0.	176.75	13.295	0.	0.	16.	25.6
00437p	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	03/31/50-10/04/77	32	52.	59.25	160.	8.	1135.484	33.697	21.2	36.	83.	107.
00500	RESIDUE, TOTAL (MG/L)	06/28/62-09/08/80	17	426.	483.059	904.	180.	49931.559	223.454	183.2	311.	690.	868.8
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/08/70-12/01/87	44	288.	343.409	1330.	38.	45020.945	212.181	171.	216.5	405.	583.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/62-01/07/88	32	20.	55.563	632.	2.	14349.867	119.791	4.3	10.5	33.	190.7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/16/72-01/07/88	47	0.16	0.247	2.31	0.02	0.115	0.339	0.078	0.1	0.23	0.484
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	48	0.006	0.009	0.03	0.002	0.	0.008	0.002	0.004	0.012	0.022
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/65-01/07/88	48	0.87	1.563	34.	0.43	22.937	4.789	0.478	0.645	1.095	1.259
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/16/72-01/07/88	47	0.05	0.086	0.61	0.005	0.013	0.116	0.03	0.03	0.08	0.168
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/08/75-01/07/88	13	2.2	2.446	5.	0.5	2.668	1.633	0.5	0.75	4.	4.6
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/05/76-01/07/88	42	0.002	0.023	0.33	0.001	0.003	0.059	0.001	0.001	0.01	0.068
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/62-01/07/88	60	159.	188.25	517.	80.	8078.428	89.88	101.4	127.25	222.75	308.6
00916	CALCIUM, TOTAL (MG/L AS CA)	11/16/77-12/01/87	40	31.55	35.678	72.7	4.6	246.715	15.707	19.3	24.725	45.925	61.77
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/16/77-12/01/87	39	15.4	14.79	27.	2.8	28.287	5.319	8.5	10.2	19.	20.7
00940p	CHLORIDE,TOTAL IN WATER MG/L	06/28/62-12/01/87	59	8.	8.661	18.	4.	9.297	3.049	5.	7.	10.	13.
00945p	SULFATE, TOTAL (MG/L AS SO4)	03/31/50-01/07/88	73	155.	191.342	520.	51.	10831.201	104.073	87.4	120.	242.5	359.4
01027	CADMIUM, TOTAL (UG/L AS CD)	06/06/74-09/24/87	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/06/74-09/24/87	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	03/31/50-01/07/88	72	2790.	4082.778	27750.	490.	23496251.33	4847.293	1131.	2000.	3807.5	8330.
01105p	ALUMINUM, TOTAL (UG/L AS AL)	03/31/50-01/07/88	53	3060.	4842.83	18000.	200.	15495616.836	3936.447	1640.	2220.	6550.	11800.
01501	ALPHA, TOTAL	06/17/64-12/03/70	8	1.	2.25	8.	0.5	6.429	2.535	**	**	**	**
03501	BETA, TOTAL	06/17/64-12/03/70	8	4.	57.188	425.	1.5	22094.138	148.641	**	**	**	**
31507	COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508)	06/28/62-03/12/71	9	91.	427.889	2400.	0.	610910.111	781.607	0.	0.	560.	2400.
31507	LOG COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 3150	06/28/62-03/12/71	9	1.959	1.648	3.38	0.	1.743	1.32	0.	0.	2.708	3.38
31507	GM COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508	GEOMETRIC MEAN =			44.451								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	88 ##	50.	185.653	5900.	5.	443994.324	666.329	10.	12.5	50.	410.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/15/77-01/07/88	88 ##	1.699	1.588	3.771	0.699	0.425	0.652	1.	1.097	1.699	2.612
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			38.699								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	01/05/76-01/07/88	37	0.	3.797	40.	0.	77.076	8.779	0.	0.	4.	20.4
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/16/77-12/01/87	39	26.	34.692	126.	5.	588.113	24.251	12.	22.	40.	66.

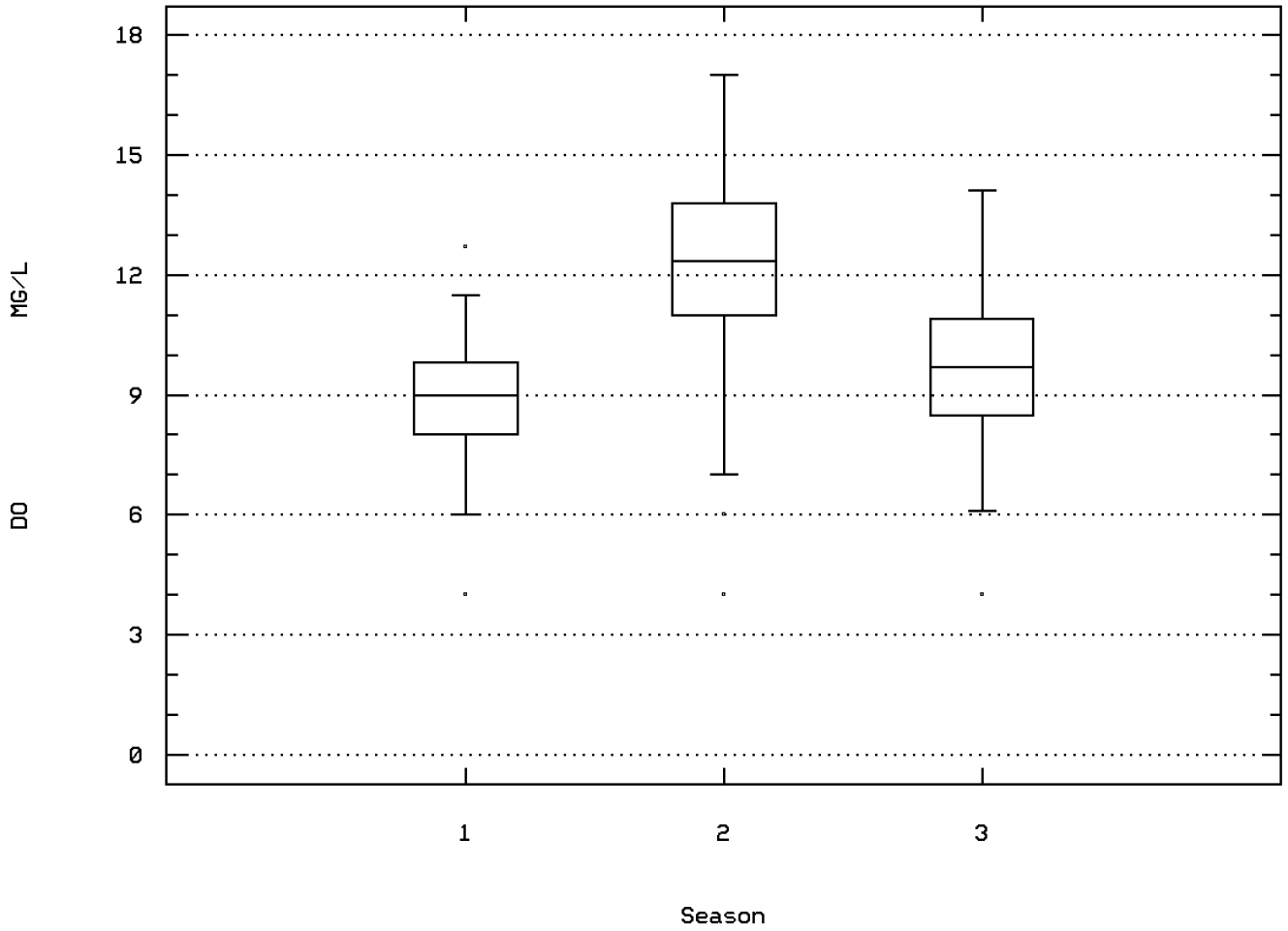
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot



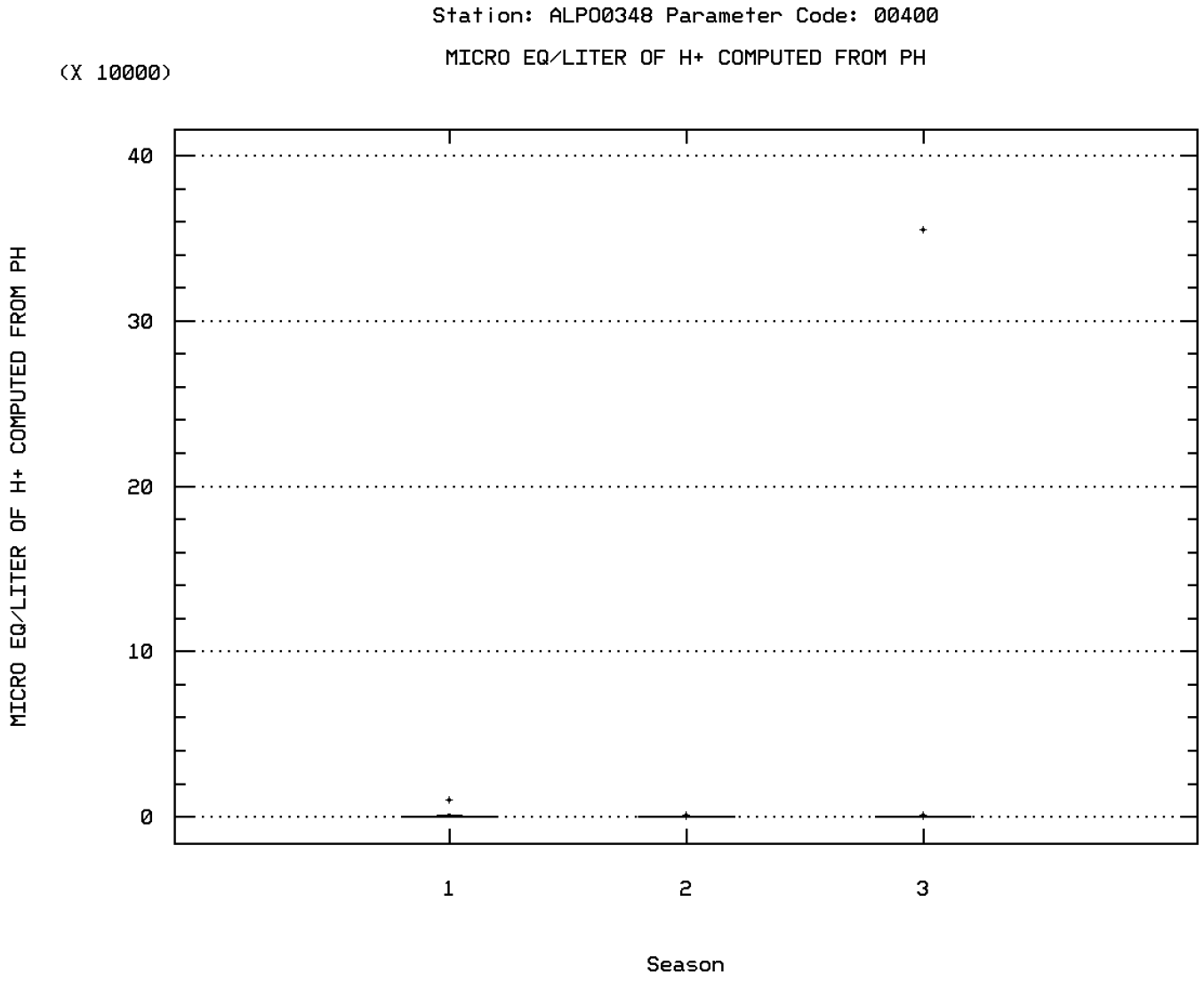
STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00300

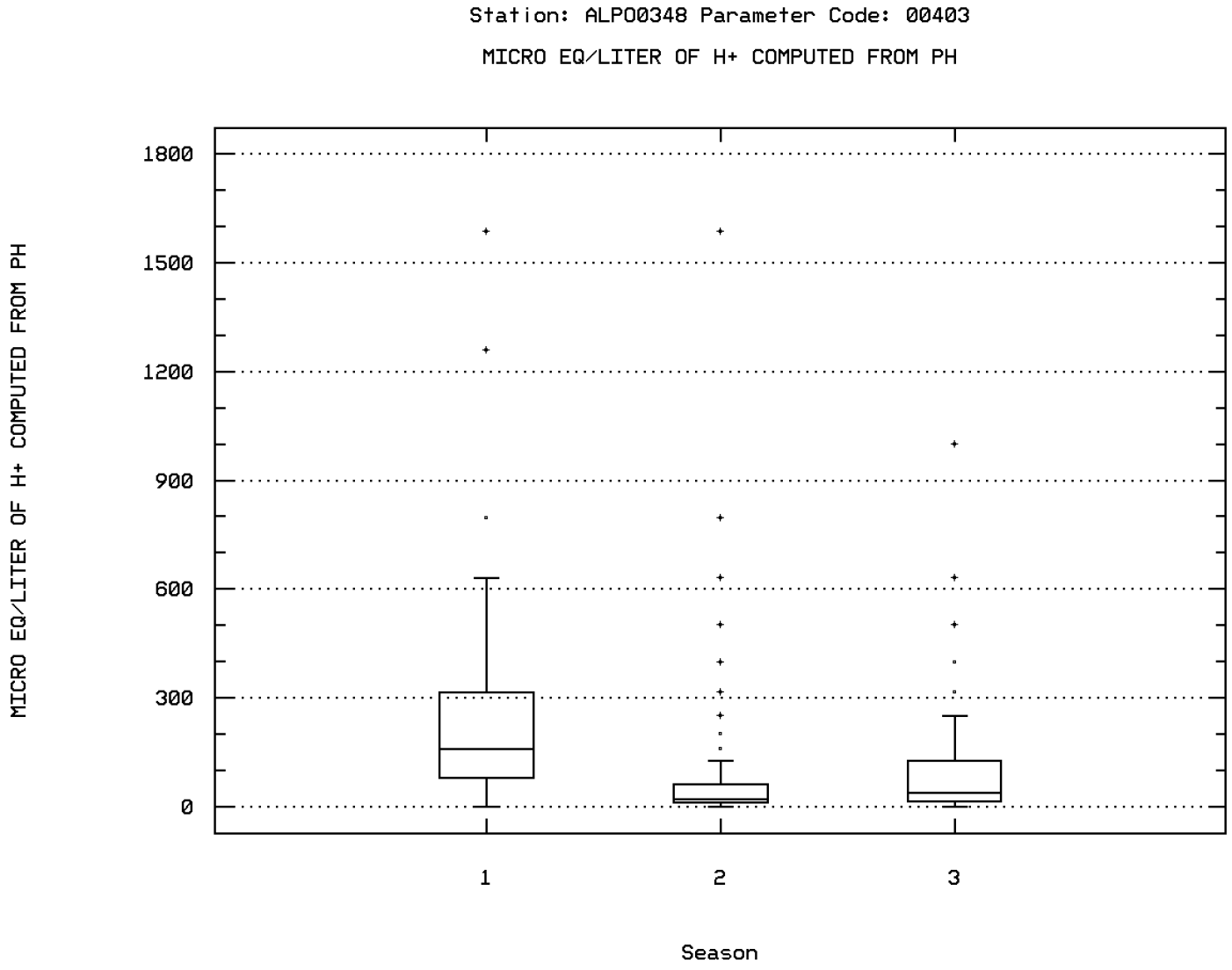
OXYGEN, DISSOLVED



STONY CRK-RTE 53 BR-FERNDALE



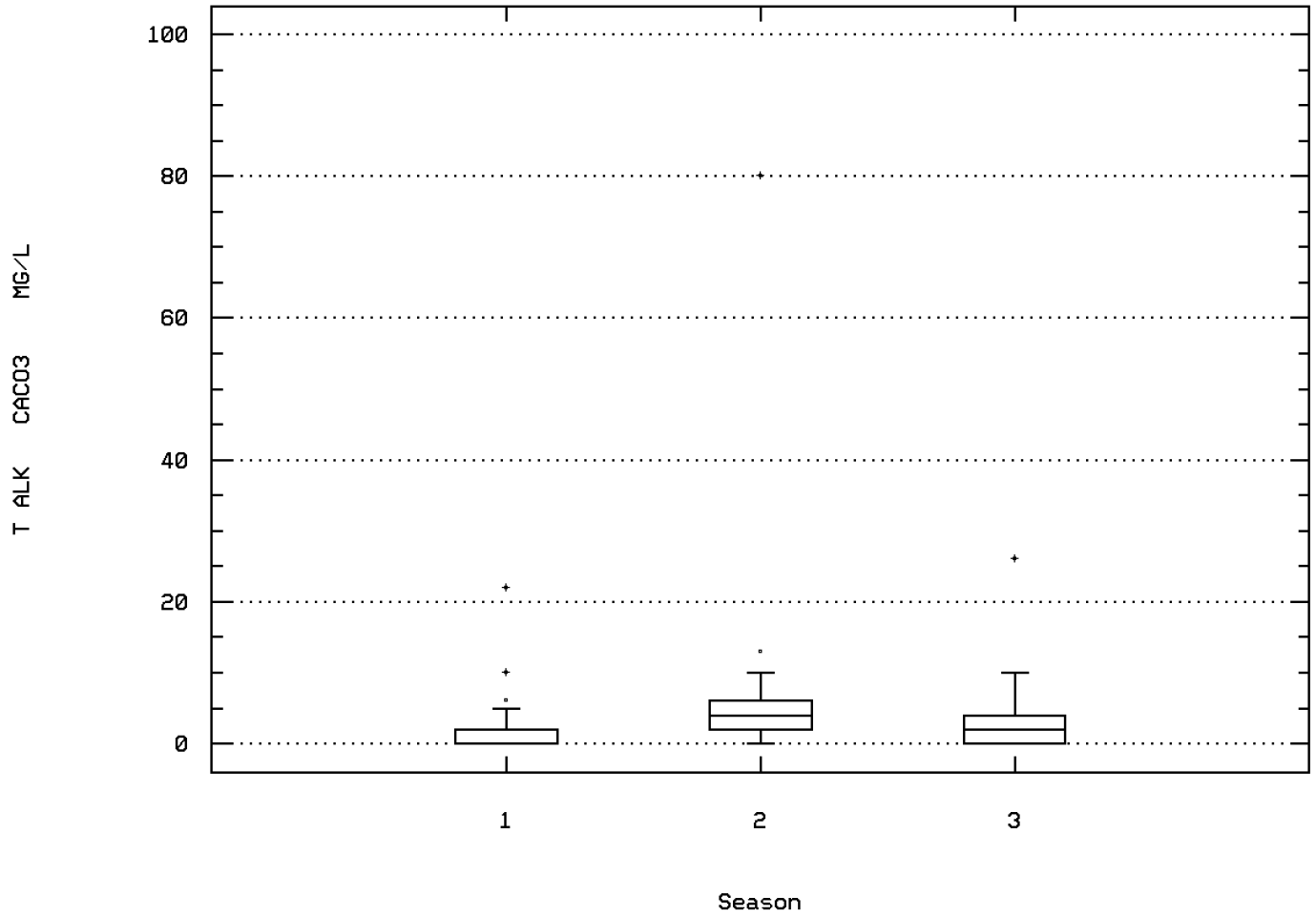
STONY CRK-RTE 53 BR-FERNDALE



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00410

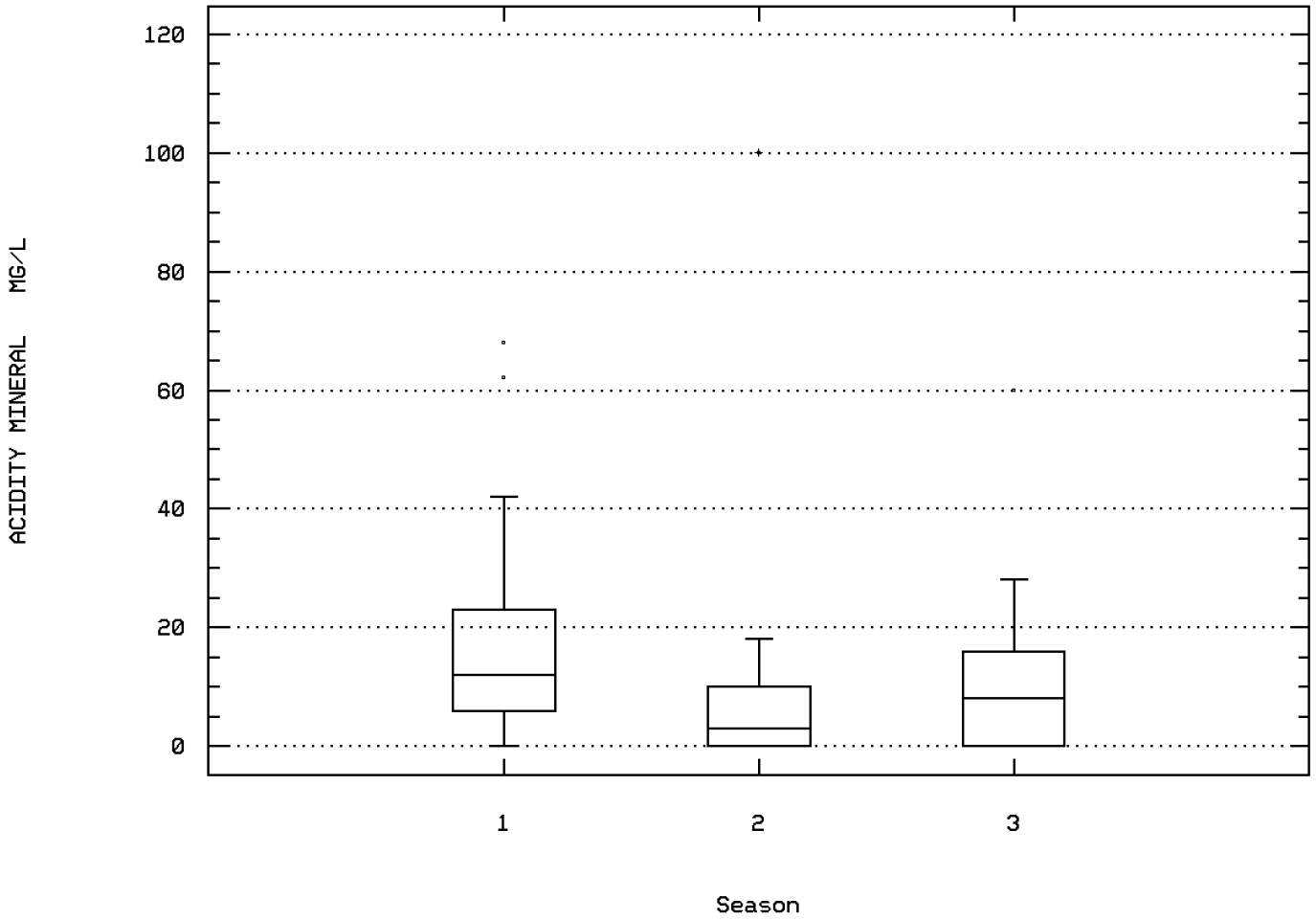
ALKALINITY, TOTAL (MG/L AS CACO3)



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00436

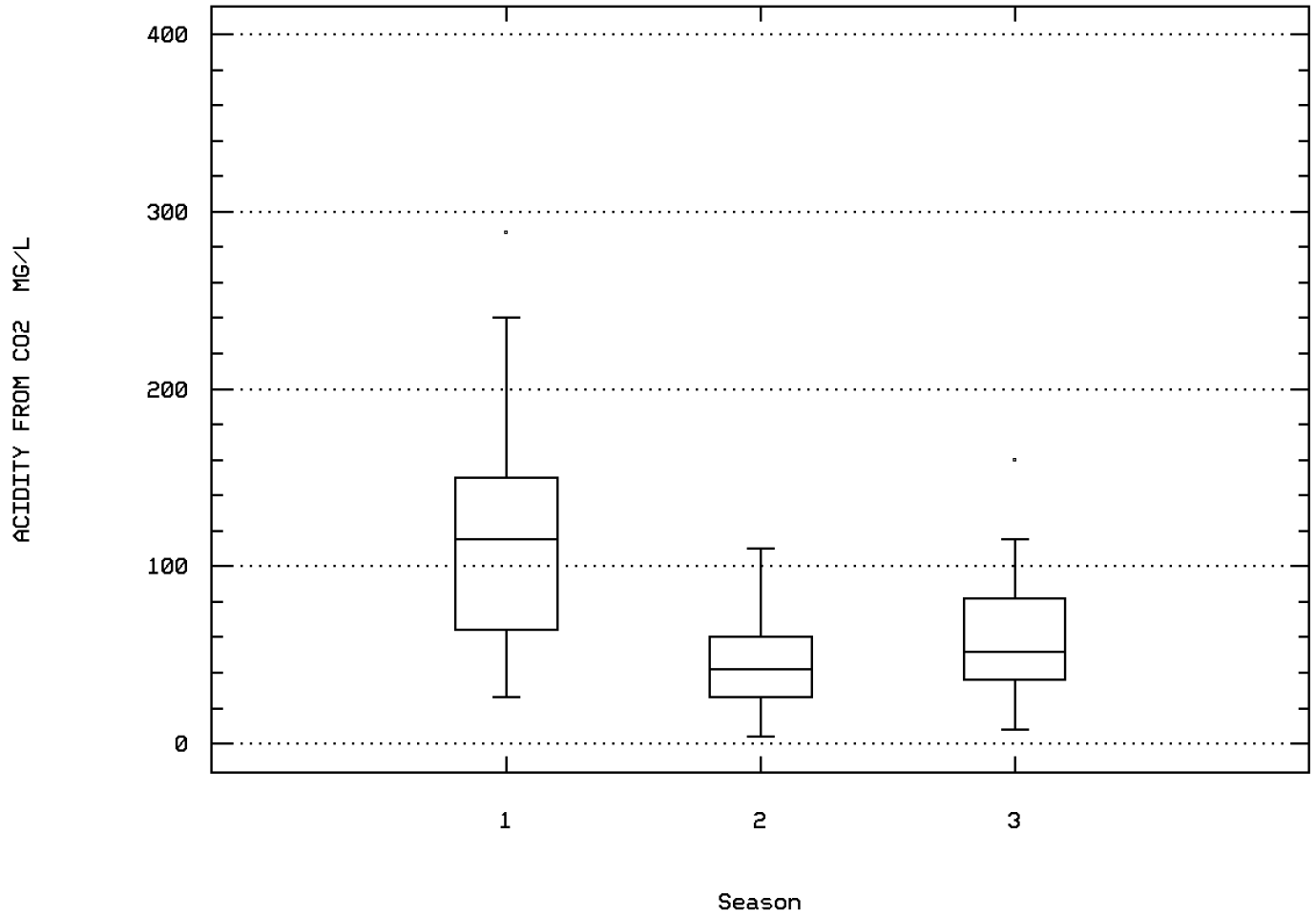
ACIDITY, MINERAL (METHYL ORANGE) (MG/L



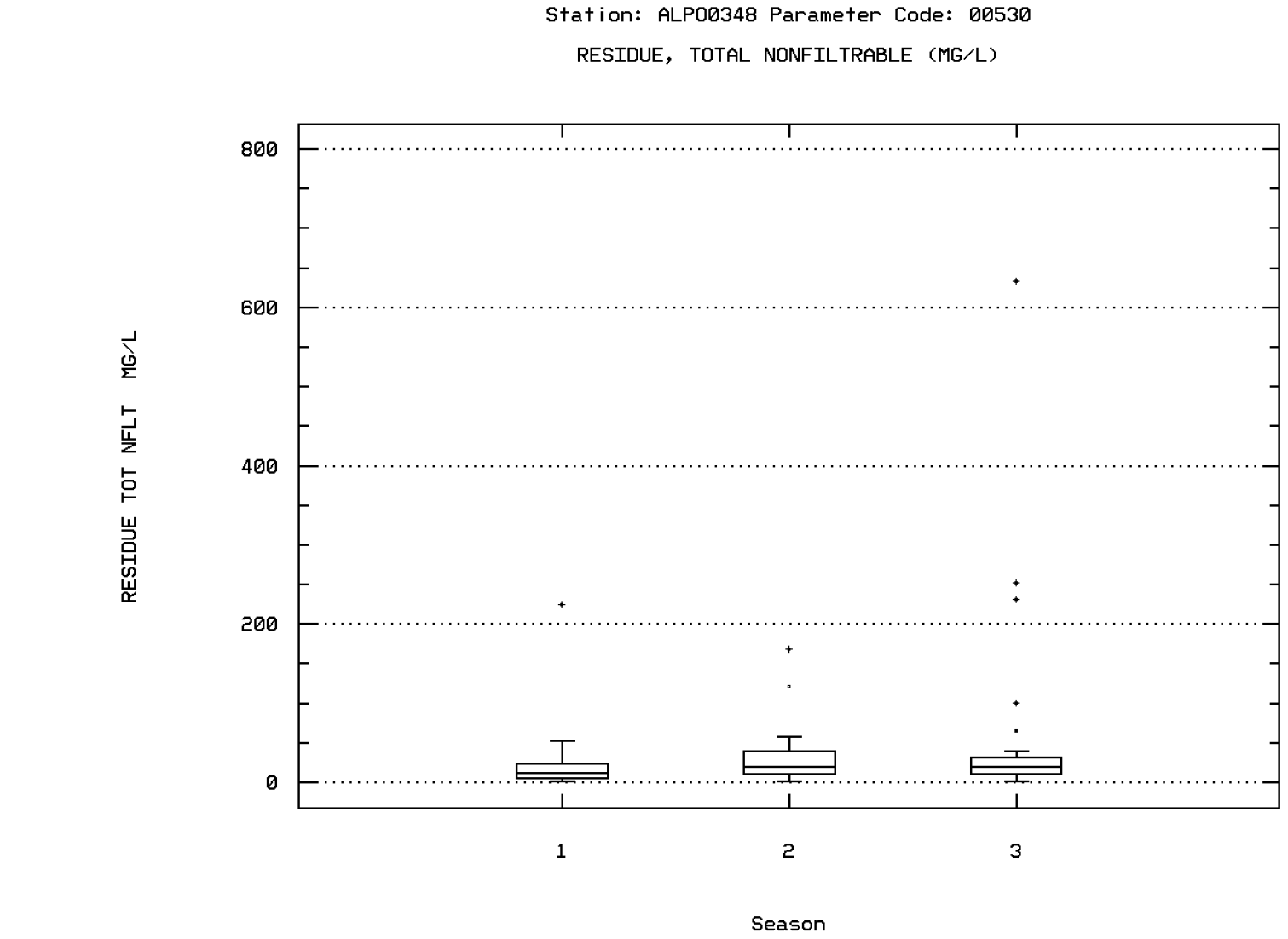
STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00437

ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS



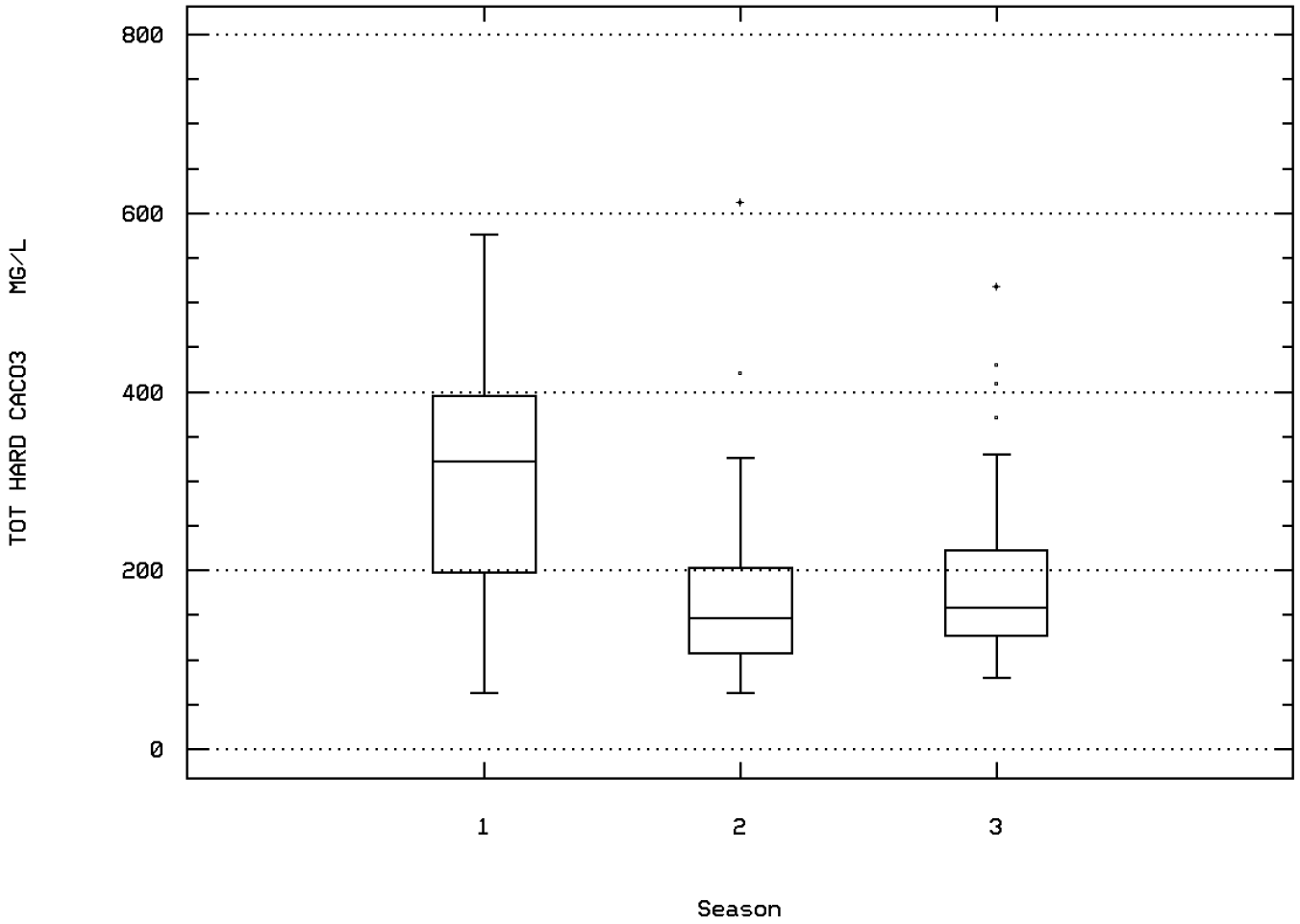
STONY CRK-RTE 53 BR-FERNDALE



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00900

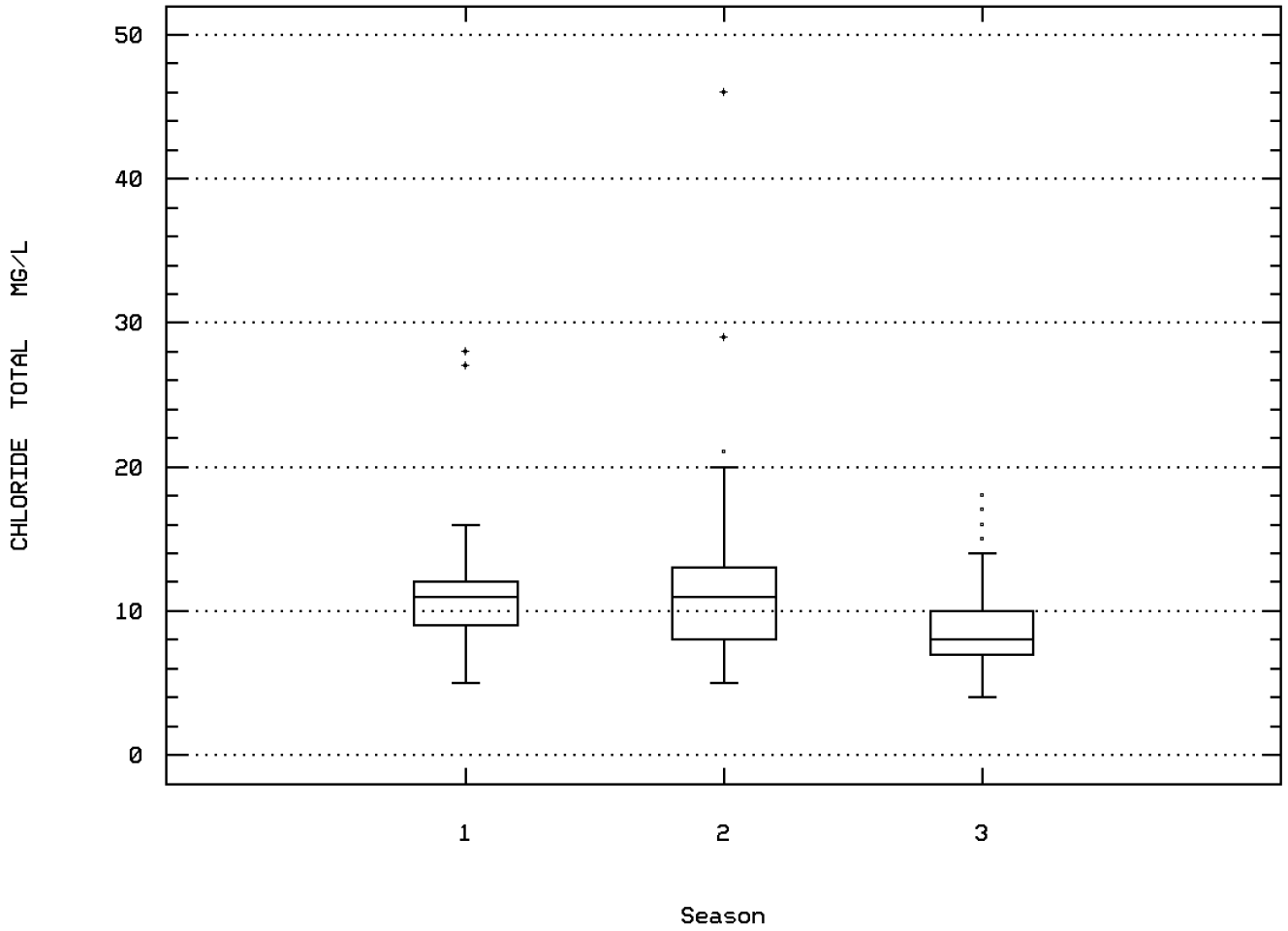
HARDNESS, TOTAL (MG/L AS CACO3)



STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00940

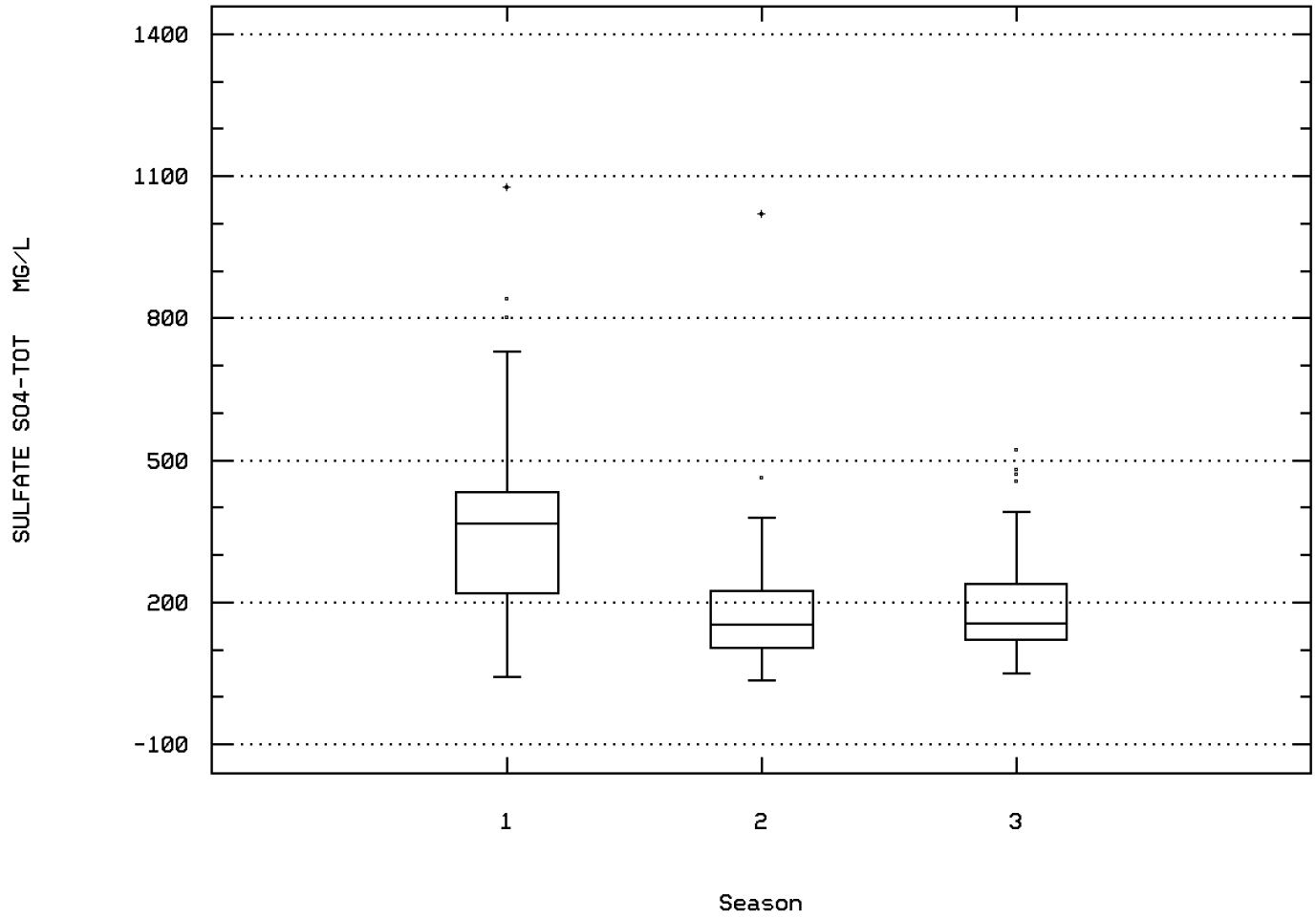
CHLORIDE,TOTAL IN WATER



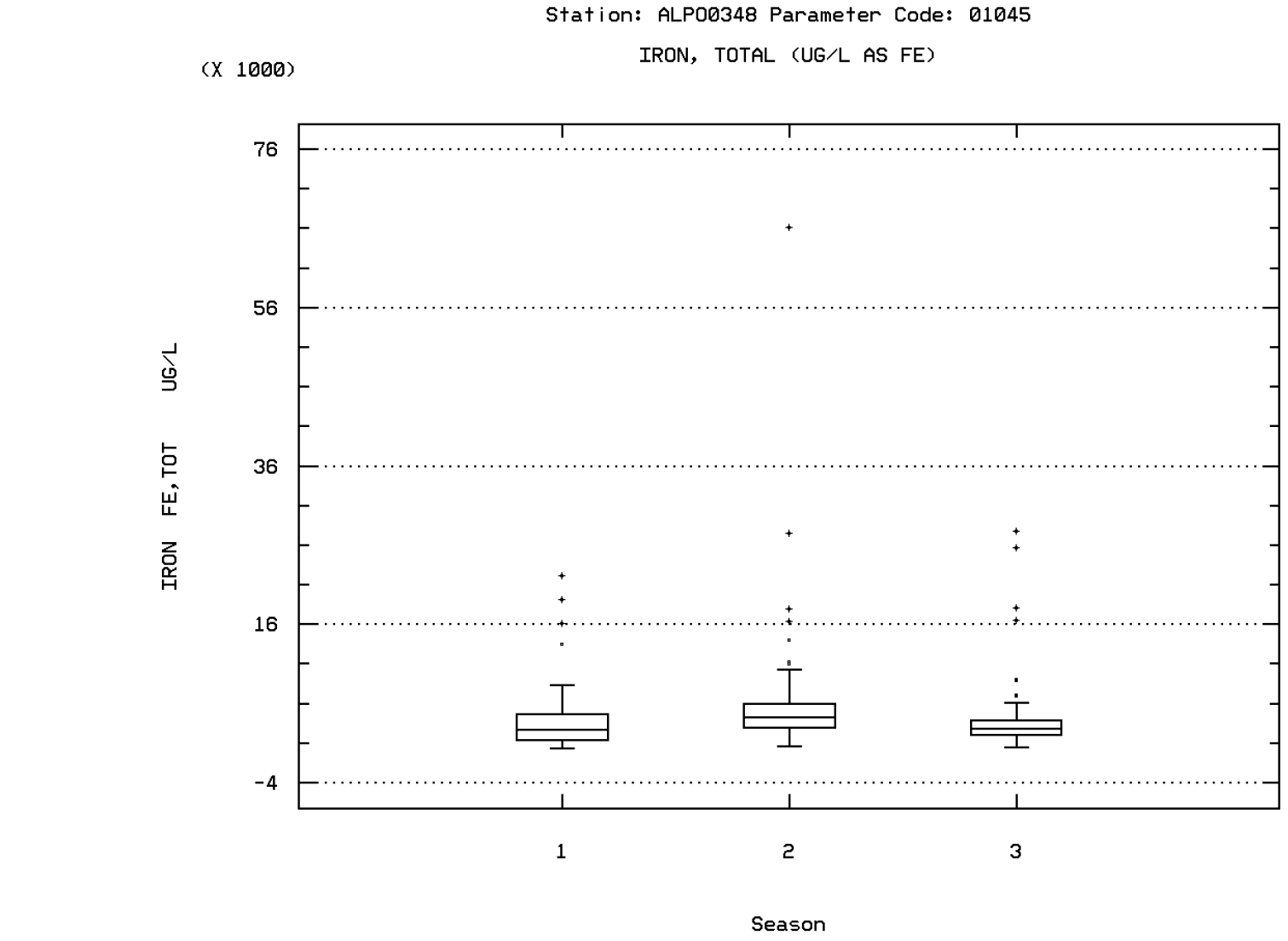
STONY CRK-RTE 53 BR-FERNDALE

Station: ALP00348 Parameter Code: 00945

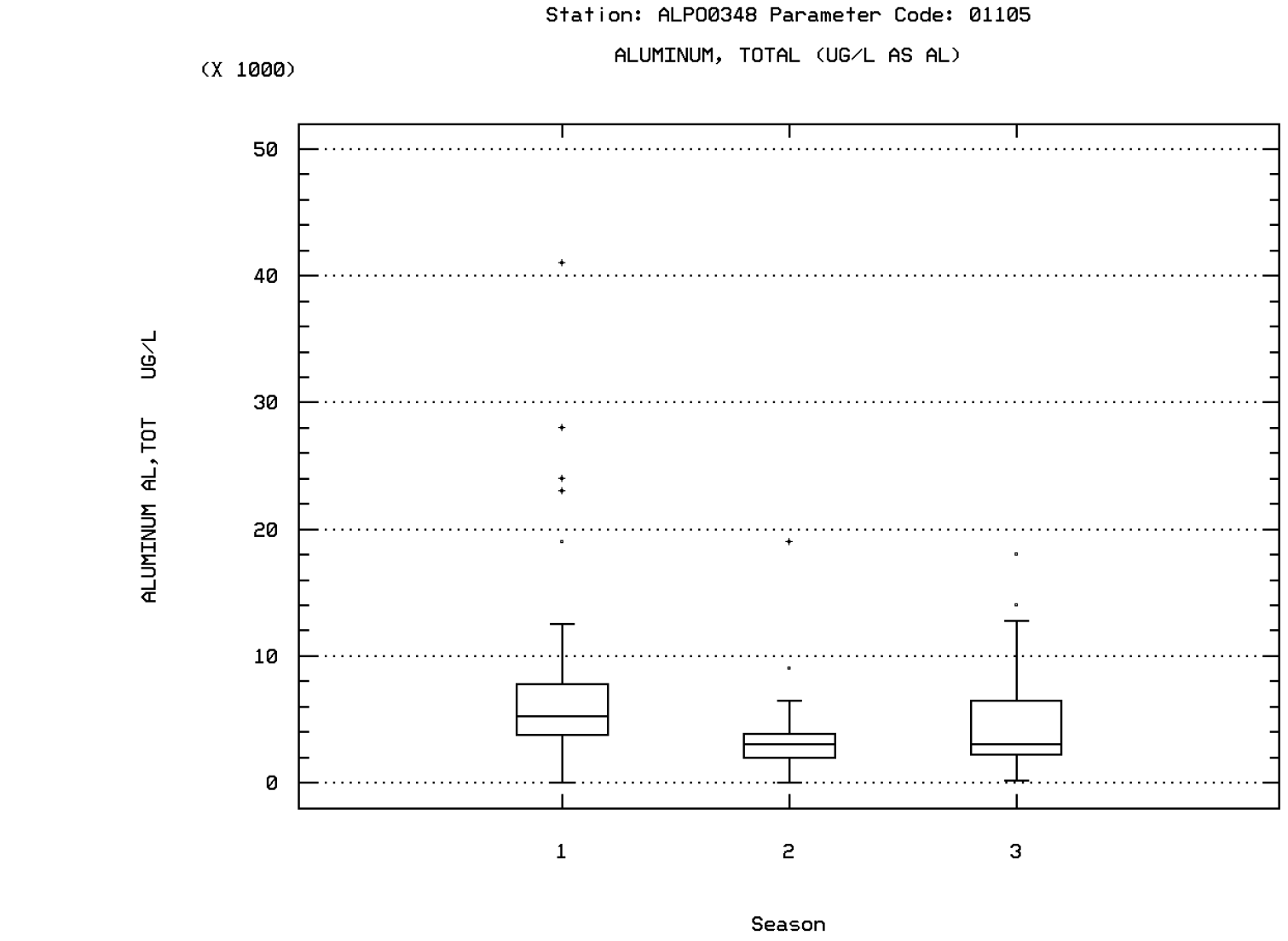
SULFATE, TOTAL (MG/L AS SO4)



STONY CRK-RTE 53 BR-FERNDALE



STONY CRK-RTE 53 BR-FERNDALE



STONY CRK-RTE 53 BR-FERNDALE

Station Inventory for Station: ALPO0349

NPS Station ID: ALPO0349
LAT/LON: 40.295004/ -78.919448
Agency: 112WRD
Date Created: 12/28/94
Location: SITE 199
FIPS State/County: 42111 PENNSYLVANIA/SOMERSET
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 401742078551001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0349

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/94-08/15/94	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	08/15/94-08/15/94	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/15/94-08/15/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/94-08/15/94	1	965.	965.	965.	965.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/15/94-08/15/94	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/15/94-08/15/94	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/94-08/15/94	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/94-08/15/94	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/94-08/15/94	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/94-08/15/94	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/94-08/15/94	1	156.	156.	156.	156.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/94-08/15/94	1	744.	744.	744.	744.	0.	0.	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	08/15/94-08/15/94	1	28.6	28.6	28.6	28.6	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/94-08/15/94	1	161.	161.	161.	161.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/94-08/15/94	1	0.31	0.31	0.31	0.31	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/15/94-08/15/94	1	225.	225.	225.	225.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/15/94-08/15/94	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/94-08/15/94	1	168.	168.	168.	168.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/15/94-08/15/94	1	149.	149.	149.	149.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/15/94-08/15/94	1	158.	158.	158.	158.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/94-08/15/94	1 ##	67.5	67.5	67.5	67.5	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	08/15/94-08/15/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0349

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0350

NPS Station ID: ALPO0350 LAT/LON: 40.328337/ -78.920837 Agency: 112WRD Date Created: / /
Location: LITTLE CONEMAUGH RIVER AT JOHNSTOWN, PA. FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 03041025
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05010007 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 05010007010 RF1 Mile Point: 0.390 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02050201031102.38 RF3 Mile Point: 6.59 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0350

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/07/26-04/11/76	7	10.	10.286	14.	4.	9.905	3.147	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	04/20/53-11/10/71	2	2145.	2145.	4280.	10.	9116450.	3019.346	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/75-04/11/76	4	484.	489.25	699.	290.	43727.583	209.111	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/21/75-06/15/76	6	34.	35.167	55.	23.	134.567	11.6	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/20/53-07/08/71	3	2.	1.667	3.	0.	2.333	1.528	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/20/53-06/15/76	10	397.	458.1	1100.	95.	88500.544	297.49	106.5	270.	582.	1072.8
00300	OXYGEN, DISSOLVED MG/L	11/10/71-06/15/76	6	9.	8.833	10.	8.	0.567	0.753	**	**	**	**
00400	PH (STANDARD UNITS)	04/20/53-06/15/76	10	6.55	6.84	8.2	5.2	1.107	1.052	5.25	6.	7.95	8.19
00400	CONVERTED PH (STANDARD UNITS)	04/20/53-06/15/76	10	6.547	5.998	8.2	5.2	1.894	1.376	5.25	6.	7.95	8.19
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/20/53-06/15/76	10	0.284	1.003	6.31	0.006	3.846	1.961	0.006	0.011	1.095	5.878
00405	CARBON DIOXIDE (MG/L AS CO2)	04/20/53-11/10/71	4	7.85	22.225	71.	2.2	1075.909	32.801	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/07/26-04/11/76	11	6.	70.5	243.	0.5	8131.6	90.175	0.5	0.5	151.	229.8
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	10/21/75-06/15/76	5	4.	10.4	32.	0.	188.8	13.74	**	**	**	**
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	10/21/75-06/15/76	6	78.	77.667	122.	32.	1490.267	38.604	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/07/26-11/10/71	6	179.	156.	296.	7.	11183.6	105.753	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	04/20/53-07/08/71	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/21/75-06/15/76	6	0.44	0.42	0.67	0.12	0.035	0.187	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/21/75-06/15/76	6	0.028	0.031	0.044	0.024	0.	0.007	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/07/26-11/10/71	5	2.3	5.106	16.71	0.02	44.872	6.699	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/20/53-06/15/76	7	1.099	1.318	2.699	0.81	0.416	0.645	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/08/71-11/10/71	2	0.025	0.025	0.03	0.02	0.	0.007	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/21/75-06/15/76	6	0.08	0.077	0.1	0.04	0.001	0.023	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/08/71-11/10/71	2	0.009	0.009	0.01	0.007	0.	0.002	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/10/71-10/21/75	2	2.75	2.75	4.	1.5	3.125	1.768	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/07/26-06/15/76	12	181.	201.5	432.	18.	16267.545	127.544	23.1	108.	298.5	413.7
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/07/26-11/10/71	6	19.5	37.5	128.	0.	2244.7	47.378	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/07/26-06/15/76	11	48.	47.982	88.	4.4	805.052	28.373	5.24	26.2	76.	86.72
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/07/26-06/15/76	10	17.5	21.94	53.	1.6	305.452	17.477	1.77	7.95	40.25	52.1
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/07/26-11/10/71	6	7.9	12.1	30.	2.5	122.056	11.048	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/07/26-11/10/71	5	0.7	0.7	1.5	0.1	0.335	0.579	**	**	**	**
00932	SODIUM, PERCENT	10/07/26-07/08/71	4	34.	31.5	55.	3.	699.667	26.451	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/07/26-07/08/71	4	1.6	2.825	7.4	0.7	9.509	3.084	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/07/26-06/15/76	13	8.	10.154	47.	1.	137.641	11.732	1.4	4.5	10.	34.6
00945	SULFATE, TOTAL (MG/L AS SO4)	10/07/26-06/15/76	12	105.	135.083	462.	9.	19597.538	139.991	9.3	15.25	230.	401.4
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/20/53-07/08/71	3	0.1	0.233	0.6	0.	0.103	0.321	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/07/26-07/08/71	4	12.	12.75	17.	10.	8.917	2.986	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/20/53-06/15/76	7	15700.	13637.143	23500.	60.	73646990.476	8581.782	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/07/26-07/08/71	4	95.	497.5	1800.	0.	757358.333	870.263	**	**	**	**

** - 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

Parameter Inventory for Station: ALPO0350

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/16/59-07/08/71	2	15.	15.	20.	10.	50.	7.071	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/10/71-11/10/71	1	1.	1.	1.	1.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/10/71-11/10/71	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/07/26-07/08/71	5	210.	242.4	555.	80.	36341.3	190.634	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/07/26-07/08/71	4	177.	231.	513.	57.	42194.667	205.413	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/07/26-07/08/71	5	0.29	0.33	0.75	0.11	0.066	0.257	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/07/26-11/10/71	5	10.	22.62	74.	0.1	880.672	29.676	**	**	**	**
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	04/20/53-07/08/71	2	252.5	252.5	425.	80.	59512.5	243.952	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	04/20/53-10/16/59	2	127.5	127.5	175.	80.	4512.5	67.175	**	**	**	**
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	10/16/59-10/16/59	1	8.	8.	8.	8.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0350

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	6	1	0.17	1	0	0.00	3	1	0.33	2	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	6	0	0.00	1	0	0.00	3	0	0.00	2	0	0.00			
00400	PH	Fresh Chronic	9.	10	0	0.00	2	0	0.00	4	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	10	5	0.50	2	1	0.50	4	2	0.50	4	2	0.50			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00	1	0	0.00	3	0	0.00	2	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	5	1	0.20	3	0	0.00	1	0	0.00	1	1	1.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	7	0	0.00	1	0	0.00	3	0	0.00	3	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	13	0	0.00	4	0	0.00	4	0	0.00	5	0	0.00			
		Drinking Water	250.	13	0	0.00	4	0	0.00	4	0	0.00	5	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	12	2	0.17	4	0	0.00	4	1	0.25	4	1	0.25			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	1	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						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	5	1	0.20	3	0	0.00	1	0	0.00	1	1	1.00			

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

Station Inventory for Station: ALPO0351

NPS Station ID: ALPO0351
LAT/LON: 40.285559/ -78.920837
Agency: 112WRD
Date Created: / /
Location: STONYCREEK RIVER AT FERNDALE, PA.
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03040000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02050201004407.60
RF3 Mile Point: 7.63
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0351

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/21/75-05/15/97	36	11.	11.625	24.	0.5	51.62	7.185	2.55	5.	19.25	20.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/22/96-10/22/96	1	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	04/23/96-05/15/97	14	725.	725.429	742.	716.	42.725	6.536	717.5	720.5	729.	736.
00060	FLOW, STREAM, MEAN DAILY CFS	10/23/59-10/24/63	3	22.	77.	196.	13.	10641.	103.155	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/75-03/24/97	35	541.	608.229	2210.	74.	256479.005	506.438	120.6	228.	879.	1308.
00065	STAGE, STREAM (FEET)	04/23/96-05/15/97	14	3.43	3.53	5.09	2.54	0.4	0.632	2.68	3.165	3.838	4.68
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/21/75-06/15/76	6	15.5	17.583	35.	4.5	121.642	11.029	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/12/59-10/24/63	6	2.5	2.333	4.	1.	1.467	1.211	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/01/80-10/01/80	1	870.	870.	870.	870.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/12/59-05/15/97	43	441.	503.256	1340.	150.	56292.576	237.261	266.8	330.	692.	812.
00300	OXYGEN, DISSOLVED MG/L	10/21/75-05/15/97	20	9.45	9.8	14.3	6.	5.103	2.259	7.	8.075	11.6	12.8
00400	PH (STANDARD UNITS)	10/12/59-05/15/97	43	5.7	5.549	7.7	3.2	1.709	1.307	3.71	4.35	6.8	7.
00400	CONVERTED PH (STANDARD UNITS)	10/12/59-05/15/97	43	5.7	4.259	7.7	3.2	3.412	1.847	3.71	4.35	6.8	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/12/59-05/15/97	43	1.995	55.036	630.957	0.02	16373.132	127.958	0.1	0.158	44.668	197.719
00403	PH, LAB, STANDARD UNITS SU	12/10/80-05/15/97	21	5.7	5.462	7.3	4.1	1.318	1.148	4.1	4.25	6.5	6.8
00403	CONVERTED PH, LAB, STANDARD UNITS	12/10/80-05/15/97	21	5.7	4.589	7.3	4.1	2.119	1.456	4.1	4.25	6.5	6.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/10/80-05/15/97	21	1.995	25.788	79.433	0.05	1062.951	32.603	0.158	0.316	56.607	79.433
00405	CARBON DIOXIDE (MG/L AS CO2)	10/12/59-10/16/59	3	20.	17.867	27.	6.6	107.453	10.366	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/12/59-08/14/96	17	2.	41.559	258.	0.	7270.403	85.267	0.	0.5	17.5	228.4
00435	ACIDITY, TOTAL (MG/L AS CACO3)	09/24/79-09/22/81	15	35.	37.933	164.	0.	1527.638	39.085	3.	15.	40.	107.6
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	10/21/75-07/27/93	6	1.	4.667	18.	0.	52.267	7.23	**	**	**	**
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	10/21/75-06/15/76	6	56.	55.	92.	26.	479.6	21.9	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/12/59-10/24/63	6	123.	138.5	315.	0.	20347.9	142.646	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/12/59-10/16/59	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/27/93-05/23/94	2	582.	582.	802.	362.	96800.	311.127	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	04/23/96-05/15/97	12	0.18	0.191	0.43	0.07	0.009	0.097	0.079	0.115	0.241	0.379
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/21/75-06/15/76	6	0.21	0.262	0.62	0.09	0.035	0.188	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	04/23/96-05/15/97	12	0.01	0.012	0.02	0.005	0.	0.007	0.005	0.005	0.02	0.02
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/21/75-06/15/76	6	0.027	0.03	0.05	0.022	0.	0.011	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/12/59-10/16/59	3	5.	4.8	8.1	1.3	11.59	3.404	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/21/75-06/15/76	6	0.989	0.959	1.179	0.64	0.039	0.198	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	04/23/96-05/15/97	12	0.2	0.21	0.4	0.1	0.012	0.11	0.1	0.1	0.3	0.374
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/23/96-05/15/97	12	0.3	0.332	0.5	0.2	0.006	0.078	0.226	0.3	0.4	0.47
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/05/79-11/05/79	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/23/96-05/15/97	12	0.65	0.667	0.9	0.3	0.024	0.156	0.39	0.6	0.8	0.87
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/21/75-05/15/97	19	0.03	0.039	0.12	0.005	0.001	0.028	0.005	0.02	0.05	0.08
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/23/96-05/15/97	12 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/23/96-05/15/97	12 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	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: ALPO0351

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/21/75-10/21/75	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/23/96-05/15/97	12	1.1	1.142	1.8	0.8	0.104	0.323	0.8	0.825	1.35	1.74
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/27/93-05/23/94	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	04/23/96-03/24/97	11	0.7	0.809	2.	0.3	0.263	0.513	0.3	0.4	1.	1.88
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/05/79-11/05/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/12/59-11/05/79	13	210.	240.846	530.	87.	19511.474	139.683	94.2	137.	315.	514.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/12/59-11/05/79	7	120.	220.	499.	43.	38927.333	197.3	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/12/59-05/15/97	24	41.5	49.117	122.	23.	514.184	22.676	26.6	34.2	60.25	80.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/12/59-05/15/97	24	15.3	18.058	45.	3.5	104.775	10.236	6.	11.5	25.75	33.5
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/12/59-05/15/97	19	10.	11.528	36.	4.	56.58	7.522	4.	7.1	13.63	22.
00931	SODIUM ADSORPTION RATIO	10/12/59-11/05/79	5	0.2	0.16	0.2	0.1	0.003	0.055	**	**	**	**
00932	SODIUM, PERCENT	10/12/59-11/05/79	5	3.	5.6	11.	3.	13.8	3.715	**	**	**	**
00933	SODIUM,PLUS POTASSIUM (MG/L)	11/05/79-11/05/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/12/59-05/15/97	18	1.8	2.356	9.	1.4	3.303	1.817	1.4	1.5	2.	4.59
00940	CHLORIDE,TOTAL IN WATER MG/L	10/12/59-05/15/97	25	10.	10.6	34.	3.	37.083	6.09	5.6	7.	12.	17.4
00945	SULFATE, TOTAL (MG/L AS SO4)	10/12/59-05/15/97	41	170.	209.805	670.	36.	19187.311	138.518	96.4	120.	300.	451.6
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/12/59-05/15/97	18	0.1	0.128	0.4	0.05	0.011	0.105	0.05	0.088	0.1	0.4
00951	FLUORIDE, TOTAL (MG/L AS F)	07/27/93-05/23/94	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/12/59-05/15/97	18	6.5	7.883	20.	4.9	12.878	3.589	5.35	5.75	9.325	12.8
01000	ARSENIC, DISSOLVED (UG/L AS AS)	05/15/97-05/15/97	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	11/05/79-11/05/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	05/15/97-05/15/97	1	35.	35.	35.	35.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	11/05/79-11/05/79	1	300.	300.	300.	300.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/15/97-05/15/97	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/15/97-05/15/97	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/05/79-11/05/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/15/97-05/15/97	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/05/79-11/05/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	05/15/97-05/15/97	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/15/97-05/15/97	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/05/79-11/05/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	01/08/80-09/22/81	13	1800.	2861.538	9000.	0.	8417564.103	2901.304	80.	1250.	3750.	8880.
01045	IRON, TOTAL (UG/L AS FE)	10/23/59-05/23/94	25	2630.	3604.4	11000.	180.	8853417.333	2975.469	462.	1485.	5300.	9260.
01046	IRON, DISSOLVED (UG/L AS FE)	10/12/59-05/15/97	31	990.	1030.484	3100.	40.	735257.525	857.472	86.	260.	1800.	2280.
01047	IRON, FERROUS (UG/L AS FE)	07/27/93-07/27/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	05/15/97-05/15/97	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/05/79-11/05/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	09/24/79-09/22/81	14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
01055	MANGANESE, TOTAL (UG/L AS MN)	10/23/59-05/23/94	19	1600.	1735.789	4000.	280.	805492.398	897.492	820.	1100.	2500.	3000.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/12/59-09/22/81	17	1300.	3065.294	30000.	0.	48907838.971	6993.414	24.	955.	2200.	8480.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	05/15/97-05/15/97	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/15/97-05/15/97	1	41.	41.	41.	41.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	05/15/97-05/15/97	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	11/05/79-11/05/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/15/97-05/15/97	1	76.	76.	76.	76.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/05/79-11/05/79	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/15/97-05/15/97	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/23/59-05/23/94	4	5950.	6437.5	12000.	1850.	18528958.333	4304.528	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/27/93-05/15/97	12	35.	647.25	4400.	16.	1715403.114	1309.734	16.9	22.5	881.	3620.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	05/15/97-05/15/97	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	11/05/79-11/05/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	05/15/97-05/15/97	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34790	SURFACTANTS, AS CTAS, WATER MG/L	10/09/96-10/09/96	1	11.	11.	11.	11.	0.	0.	**	**	**	**
34795	ANTIMONY,SED,BOT,	10/09/96-10/09/96	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
34800	ARSENIC,SED,BOT,WET SIEVE,	10/09/96-10/09/96	1	20.	20.	20.	20.	0.	0.	**	**	**	**
34805	BARIUM,SED,BOT,	10/09/96-10/09/96	1	340.	340.	340.	340.	0.	0.	**	**	**	**
34810	BERYLLIUM,SED,BOT,WET SIEVE,	10/09/96-10/09/96	1	20.	20.	20.	20.	0.	0.	**	**	**	**
34816	BISMUTH,SED,BOT,WET SIEVE,	10/09/96-10/09/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34825	CADMIUM,SED,BOT,	10/09/96-10/09/96	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
34830	CALCIUM,SED,BOT,	10/09/96-10/09/96	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
34835	CERIUM,SED,BOT,	10/09/96-10/09/96	1	100.	100.	100.	100.	0.	0.	**	**	**	**
34840	CHROMIUM,SED,BOT,	10/09/96-10/09/96	1	90.	90.	90.	90.	0.	0.	**	**	**	**
34845	COBALT,SED,BOT,	10/09/96-10/09/96	1	66.	66.	66.	66.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: ALPO0351

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34850	COPPER,SED,BOT,	10/09/96-10/09/96	1	120.	120.	120.	120.	0.	0.	**	**	**	**
34855	EUROPIUM,SED,BOT,	10/09/96-10/09/96	1	3.	3.	3.	3.	0.	0.	**	**	**	**
34860	GALLIUM,SED,BOT,	10/09/96-10/09/96	1	13.	13.	13.	13.	0.	0.	**	**	**	**
34870	GOLD,SED,BOT,	10/09/96-10/09/96	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
34875	HOLMIUM,SED,BOT,	10/09/96-10/09/96	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
34880	IRON,SED,BOT,	10/09/96-10/09/96	1	8.	8.	8.	8.	0.	0.	**	**	**	**
34885	LANTHANUM,SED,BOT,	10/09/96-10/09/96	1	45.	45.	45.	45.	0.	0.	**	**	**	**
34890	LEAD,SED,BOT,	10/09/96-10/09/96	1	48.	48.	48.	48.	0.	0.	**	**	**	**
34895	LITHIUM,SED,BOT,	10/09/96-10/09/96	1	60.	60.	60.	60.	0.	0.	**	**	**	**
34900	MAGNESIUM,SED,BOT,	10/09/96-10/09/96	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
34905	MANGANESE,SED,BOT,	10/09/96-10/09/96	1	830.	830.	830.	830.	0.	0.	**	**	**	**
34910	MERCURY,SED,BOT,	10/09/96-10/09/96	1	0.24	0.24	0.24	0.24	0.	0.	**	**	**	**
34915	MOLYBDENUM,SED,BOT,	10/09/96-10/09/96	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
34920	NEODYMIUM,SED,BOT,	10/09/96-10/09/96	1	70.	70.	70.	70.	0.	0.	**	**	**	**
34925	NICKEL,SED,BOT,	10/09/96-10/09/96	1	90.	90.	90.	90.	0.	0.	**	**	**	**
34930	NIOBIUM,SED,BOT,	10/09/96-10/09/96	1	15.	15.	15.	15.	0.	0.	**	**	**	**
34935	PHOSPHORUS,SED,BOT,	10/09/96-10/09/96	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
34940	POTASSIUM,SED,BOT,	10/09/96-10/09/96	1	1.	1.	1.	1.	0.	0.	**	**	**	**
34945	SCANDIUM,SED,BOT,	10/09/96-10/09/96	1	21.	21.	21.	21.	0.	0.	**	**	**	**
34950	SELENIUM,SED,BOT,	10/09/96-10/09/96	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34955	SILVER,SED,BOT,	10/09/96-10/09/96	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
34960	SODIUM,SED,BOT,	10/09/96-10/09/96	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34965	STRONTIUM,SED,BOT,	10/09/96-10/09/96	1	90.	90.	90.	90.	0.	0.	**	**	**	**
34975	TANTALUM,SED,BOT,	10/09/96-10/09/96	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
34985	TIN,SED,BOT,	10/09/96-10/09/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
35005	VANADIUM,SED,BOT,	10/09/96-10/09/96	1	82.	82.	82.	82.	0.	0.	**	**	**	**
35010	YTTRIUM,SED,BOT,	10/09/96-10/09/96	1	98.	98.	98.	98.	0.	0.	**	**	**	**
35015	YTTERBIUM,SED,BOT,	10/09/96-10/09/96	1	9.	9.	9.	9.	0.	0.	**	**	**	**
35020	ZINC,SED,BOT,	10/09/96-10/09/96	1	700.	700.	700.	700.	0.	0.	**	**	**	**
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	04/23/96-05/15/97	14	6.	6.5	17.	2.	19.038	4.363	2.	3.5	8.	15.5
49270	CARBON,INORGANIC, DRY WT,SEDIMENT,RECV,SIEVE	10/09/96-10/09/96	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
49271	CARBON,ORGANIC,DRY WT,SEDIMENT,RECV,SIEVE	10/09/96-10/09/96	1	120.	120.	120.	120.	0.	0.	**	**	**	**
49272	CARBON,ORGANIC+INORGANIC,DRYWT,RECV,SIEVE	10/09/96-10/09/96	1	120.	120.	120.	120.	0.	0.	**	**	**	**
49274	TITANIUM, DRY WT, SIEVE	10/09/96-10/09/96	1	0.33	0.33	0.33	0.33	0.	0.	**	**	**	**
49275	ALPHA-BHC,D6, DRY WT,SIEVE	10/09/96-10/09/96	1	79.	79.	79.	79.	0.	0.	**	**	**	**
49276	OCTACHLOROBIPHENYL,DRY WT,SIEVE	10/09/96-10/09/96	1	66.	66.	66.	66.	0.	0.	**	**	**	**
49277	BIPHENYL,3,5-DICHLORO-,DRY WT,SIEVE	10/09/96-10/09/96	1	58.	58.	58.	58.	0.	0.	**	**	**	**
49278	TERPHENYL,D14-,DRY WT,SIEVE	10/09/96-10/09/96	1	95.	95.	95.	95.	0.	0.	**	**	**	**
49279	BIPHENYL, 2-FLUORO,DRY WT,SIEVE	10/09/96-10/09/96	1	77.	77.	77.	77.	0.	0.	**	**	**	**
49280	BENZENE,NITRO-,D5,DRY WT,SIEVE	10/09/96-10/09/96	1	69.	69.	69.	69.	0.	0.	**	**	**	**
49316	NONACHLOR,CIS-,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49317	NONACHLOR,TRANS-,DRY WT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49318	OXYCHLORDANE,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49319	ALDRIN,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49320	CHLORDANE, CIS-,DRY WT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49321	CHLORDANE,TRANS-,DRY WT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49322	CHLORONEB,DRY WT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49324	DCPA,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49325	DDD,O,P'-,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	0.95	0.95	0.95	0.95	0.	0.	**	**	**	**
49326	DDD,P,P'-,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49327	DDE,O,P'-,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49328	DDE,P,P'-,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49329	DDT,O,P'-,DRY WT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
49330	DDT,P,P'-,DRY WT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
49331	DIELDRIN,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49332	ENDOSULFAN I,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49335	ENDRIN,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
49338	ALPHA-BHC,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49339	BETA-BHC,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49341	HEPTACHLOR,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49342	HEPTACHLOR EPOXIDE,DRY WT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49343	HEXACHLOROBENZENE,DRY WT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49344	ISODRIN,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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

Parameter Inventory for Station: ALPO0351

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
49345	LINDANE,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49346	METHOXYCHLOR,P,P'-,DRY WT,SED,SIEVE	10/09/96-10/09/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49347	METHOXYCHLOR,O,P'-,DRY WT,SED,SIEVE	10/09/96-10/09/96	1 ##	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
49348	MIREX,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49349	PERMETHRIN,CIS-,DRY WT,SED,SIEVE	10/09/96-10/09/96	1 ##	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
49350	PERMETHRIN,TRANS-,DRY WT,SED,SIEVE	10/09/96-10/09/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
49351	TOXAPHENE,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
49381	DIBUTYLPHTHALATE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	1	55.	55.	55.	55.	0.	0.	**	**	**	**
49384	DIMETHYLPHTHALATE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49387	PYRENE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	1	240.	240.	240.	240.	0.	0.	**	**	**	**
49388	METHYLPYRENE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	1	66.	66.	66.	66.	0.	0.	**	**	**	**
49389	METHYLBENZO(A)PYRENE,DRY WT,SED,SIEVE	10/09/96-10/09/96	1	160.	160.	160.	160.	0.	0.	**	**	**	**
49390	METHYLINDENO(1,2,3-CD)PYRENE,DRY WT,SEV	10/09/96-10/09/96	1	160.	160.	160.	160.	0.	0.	**	**	**	**
49391	BIQUINOLINE,2,2'-,DRY WT,SED,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49393	PHENANTHRIDINE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49394	ISOQUINOLINE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49395	TOLUENE, 2,4-DINITRO-,DRY WEIGHT,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49396	TOLUENE, 2,6-DINITRO-,DRY WEIGHT,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49397	BENZO(K)FLUORANTHENE,DRY WEIGHT,SIEVE	10/09/96-10/09/96	1	140.	140.	140.	140.	0.	0.	**	**	**	**
49398	METHYL-9H-FLUORENE,DRY WEIGHT,SIEVE	10/09/96-10/09/96	1	71.	71.	71.	71.	0.	0.	**	**	**	**
49400	ISOPHORONE,DRY WEIGHT,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49401	METHANE, BIS(2-CHLOROETHOXY),DRY WT,SEV	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49402	NAPHTHALENE, DRY WEIGHT, SIEVE	10/09/96-10/09/96	1	380.	380.	380.	380.	0.	0.	**	**	**	**
49404	NAPHTHALENE, 1,6-DIMETHYL-,DRY WT,SIEVE	10/09/96-10/09/96	1	65.	65.	65.	65.	0.	0.	**	**	**	**
49405	NAPHTHALENE, 2,3,6-TRIMETHYL-,DRY WT,SEV	10/09/96-10/09/96	1	70.	70.	70.	70.	0.	0.	**	**	**	**
49406	NAPHTHALENE, 2,6-DIMETHYL-,DRY WT,SIEVE	10/09/96-10/09/96	1	140.	140.	140.	140.	0.	0.	**	**	**	**
49407	NAPHTHALENE, 2-CHLORO-,DRY WT,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49408	BENZO(G,H,I)PERYLENE,DRY WEIGHT,SIEVE	10/09/96-10/09/96	1	100.	100.	100.	100.	0.	0.	**	**	**	**
49409	PHENANTHRENE,DRY WEIGHT,SIEVE	10/09/96-10/09/96	1	620.	620.	620.	620.	0.	0.	**	**	**	**
49410	METHYLPHENANTHRENE,DRY WT,SIEVE	10/09/96-10/09/96	1	130.	130.	130.	130.	0.	0.	**	**	**	**
49411	CYCLOPENTA(DEF)PHENANTHRENE, 4H-,DRY WT,SEV	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49413	PHENOL,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49421	XYLENOL, 3,5-,DRY WEIGHT,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49422	M-CRESOL, 4-CHLORO-,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49424	PHENOL, C8-ALKYL-,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49426	PHTHALATE, BIS(2-ETHYLHEXYL)-,DRY WT,SEV	10/09/96-10/09/96	1	86.	86.	86.	86.	0.	0.	**	**	**	**
49427	PHTHALATE, BUTYL BENZYL, DRY WT,SED,SEV	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49430	ACRIDINE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49431	N-NITROSO-DIPROPYLAMINE,DRY WT,SED,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49433	N-NITROSO-DIPHENYLAMINE,DRY WT,SED,SEV	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49436	BENZ(A)ANTHRACENE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	1	180.	180.	180.	180.	0.	0.	**	**	**	**
49437	ANTHRAQUINONE, 9, 10-,DRY WT,SED,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49438	BENZENE, 1,2,4-TRICHLORO-,DRY WT,SED,SEV	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49439	BENZENE, O-DICHLORO-,SED,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49441	BENZENE, M-DICHLORO-,DRY WT,SED,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49442	BENZENE, P-DICHLORO-,DRY WT,SED,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49443	AZOBENZENE,DRY WT,SED,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49444	BENZENE, NITRO-,DRY WT,SED,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49446	BENZENE,PENTACHLORONITRO-,DRY WT,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49450	CHRYSENE,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	1	480.	480.	480.	480.	0.	0.	**	**	**	**
49451	P-CRESOL,DRY WEIGHT,SEDIMENT,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49452	DIBENZOTHIOPHENE,DRY WEIGHT,SED,SIEVE	10/09/96-10/09/96	1	62.	62.	62.	62.	0.	0.	**	**	**	**
49454	BROMOPHENYL, 4-PHENYL ETHER,SED,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49455	CHLOROPHENYL,4-PHENYL ETHER,SED,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49458	BENZO(B)FLUORANTHENE,DRY WT,SIEVE	10/09/96-10/09/96	1	270.	270.	270.	270.	0.	0.	**	**	**	**
49459	PCB,DRY WEIGHT,BED MATERIAL,SIEVE	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49460	PENTACHLOROANISOLE,DRY WT,BED MAT,SIEVE	10/09/96-10/09/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
49461	DIBENZ(A,H)ANTHRACENE,DRY WT,SIEVE	10/09/96-10/09/96	1	62.	62.	62.	62.	0.	0.	**	**	**	**
49466	FLUORANTHENE,SED,BED MAT,WET SIEV	10/09/96-10/09/96	1	250.	250.	250.	250.	0.	0.	**	**	**	**
49467	PHENOL, O-CHLORO,SED,BED MAT,WETSEV	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
49468	BENZO(C)CINNOLINE,SED,BED MAT,WETSEV	10/09/96-10/09/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/12/59-05/15/97	31	284.	350.484	960.	174.	34124.525	184.728	194.	223.	456.	591.8
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/12/59-11/05/79	4	285.5	287.5	389.	190.	7005.667	83.7	**	**	**	**

** - 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: ALPO0351

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/24/63-09/22/81	14	405.5	430.864	1160.	28.1	94003.012	306.599	74.05	160.75	650.	927.5
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/12/59-09/22/81	17	0.39	0.471	1.09	0.24	0.058	0.24	0.256	0.29	0.63	0.874
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	04/23/96-02/19/97	7	77.	76.571	90.	42.	284.619	16.871	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/27/93-12/11/96	10	14.	23.8	116.	4.	1124.178	33.529	4.	7.	22.	107.8
71825	ACIDITY, TOTAL (MG/L AS H)	10/23/59-09/22/81	17	0.7	0.918	3.3	0.	0.77	0.878	0.08	0.35	1.15	2.74
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	10/23/59-05/02/60	2	0.75	0.75	1.4	0.1	0.845	0.919	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/12/59-10/24/63	4	13.9	16.05	36.	0.4	261.13	16.16	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	11/05/79-11/05/79	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	11/05/79-11/05/79	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	10/13/59-10/13/59	1	84.	84.	84.	84.	0.	0.	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	10/12/59-10/16/59	3	182.	192.333	350.	45.	23336.333	152.762	**	**	**	**
72019	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	10/13/59-10/16/59	2	56.	56.	84.	28.	1568.	39.598	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	09/24/79-02/19/97	22	20.	40.909	406.	6.	6939.039	83.301	6.6	10.75	35.5	63.5
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	09/24/79-09/22/81	15	36.	61.207	259.	1.8	4887.706	69.912	2.04	9.4	103.	180.4

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

EPA Water Quality Criteria Analysis for Station: ALPO0351

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	6	0	0.00	1	0	0.00	3	0	0.00	2	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	20	0	0.00	4	0	0.00	7	0	0.00	9	0	0.00			
00400	PH	Fresh Chronic	9.	43	0	0.00	14	0	0.00	14	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	43	28	0.65	14	8	0.57	14	10	0.71	15	10	0.67			
00403	PH, LAB	Fresh Chronic	9.	21	0	0.00	5	0	0.00	8	0	0.00	8	0	0.00			
		Other-Lo Lim.	6.5	21	17	0.81	5	3	0.60	8	7	0.88	8	7	0.88			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	12	0	0.00	3	0	0.00	5	0	0.00	4	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00	1	0	0.00	3	0	0.00	2	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	6	0	0.00	1	0	0.00	3	0	0.00	2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00				1	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	12	0	0.00	3	0	0.00	5	0	0.00	4	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.	25	0	0.00	9	0	0.00	9	0	0.00	7	0	0.00			
		Drinking Water	250.	25	0	0.00	9	0	0.00	9	0	0.00	7	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	41	12	0.29	13	6	0.46	14	3	0.21	14	3	0.21			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	18	0	0.00	7	0	0.00	6	0	0.00	5	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00							2	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00				1	0	0.00						
		Drinking Water	50.	1	0	0.00				1	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00							1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00				1	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00							1	0	0.00			
		Drinking Water	4.	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			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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			
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						
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			

& - 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: ALPO0351

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 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						
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
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						
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			
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						
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	1	0	0.00							1	0	0.00			
		Drinking Water	6.	1	0	0.00							1	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00				1	0	0.00						
		Drinking Water	50.	1	0	0.00				1	0	0.00						
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	2	0	0.00	1	0	0.00				1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	4	0	0.00	4	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: 8/01 to 10/31 - Station ALPO0351

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/21/75-05/15/97	9	18.5	15.778	20.5	7.5	23.757	4.874	7.5	11.25	20.	20.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/75-03/24/97	9	236.	546.	1940.	74.	428027.	654.238	74.	119.5	982.5	1940.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/12/59-05/15/97	13	647.	638.769	1340.	150.	103081.026	321.062	200.8	385.5	835.	1202.4
00300	OXYGEN, DISSOLVED MG/L	10/21/75-05/15/97	4	8.8	8.55	10.6	6.	3.777	1.943	**	**	**	**
00400p	PH (STANDARD UNITS)	10/12/59-05/15/97	14	5.15	5.511	7.7	3.4	2.454	1.566	3.4	4.213	6.975	7.55
00400p	CONVERTED PH (STANDARD UNITS)	10/12/59-05/15/97	14	5.022	4.094	7.7	3.4	4.615	2.148	3.4	4.212	6.975	7.55
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/12/59-05/15/97	14	9.506	80.5	398.107	0.02	21497.714	146.621	0.03	0.11	85.826	398.107
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/12/59-05/15/97	13	220.	250.538	670.	36.	39511.769	198.776	39.6	74.	395.	598.
01045p	IRON, TOTAL (UG/L AS FE)	10/23/59-05/23/94	6	2500.	2085.	2630.	980.	552790.	743.498	**	**	**	**
01046p	IRON, DISSOLVED (UG/L AS FE)	10/12/59-05/15/97	10	245.	716.	2700.	40.	745715.556	863.548	43.	70.	1175.	2570.
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/12/59-05/15/97	12	437.	466.75	960.	174.	55013.841	234.55	184.8	297.	589.25	912.
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	09/24/79-02/19/97	6	12.	77.333	406.	6.	25948.667	161.086	**	**	**	**

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

Seasonal Analysis for Season #2: 11/01 to 3/31 - Station ALPO0351

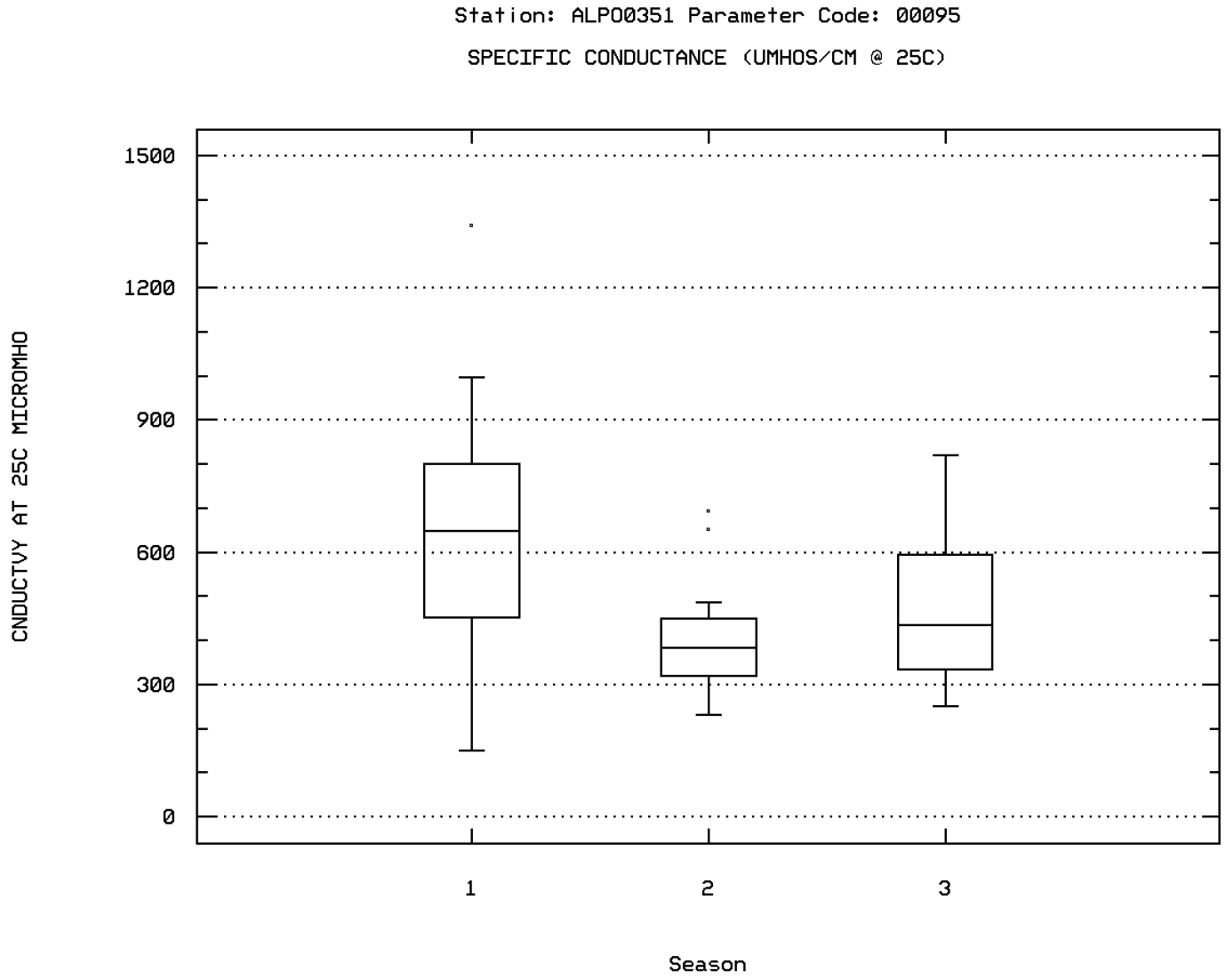
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/21/75-05/15/97	13	4.5	4.038	8.	0.5	4.769	2.184	0.7	2.25	5.	7.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/75-03/24/97	13	410.	540.538	1320.	129.	117805.269	343.228	147.	261.5	804.	1143.6
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/12/59-05/15/97	14	382.5	403.929	692.	230.	18151.918	134.729	245.	312.5	458.75	671.
00300	OXYGEN, DISSOLVED MG/L	10/21/75-05/15/97	7	12.6	11.3	14.3	7.	7.443	2.728	**	**	**	**
00400p	PH (STANDARD UNITS)	10/12/59-05/15/97	14	6.15	5.661	7.	4.2	1.143	1.069	4.25	4.463	6.6	6.95
00400p	CONVERTED PH (STANDARD UNITS)	10/12/59-05/15/97	14	6.125	4.803	7.	4.2	1.936	1.391	4.25	4.462	6.6	6.95
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/12/59-05/15/97	14	0.751	15.752	63.096	0.1	498.262	22.322	0.113	0.251	34.884	56.607
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/12/59-05/15/97	14	160.	190.	462.	98.	9080.615	95.292	109.	130.	210.	376.
01045p	IRON, TOTAL (UG/L AS FE)	10/23/59-05/23/94	9	5400.	5394.444	11000.	180.	16457127.778	4056.739	180.	1835.	9550.	11000.
01046p	IRON, DISSOLVED (UG/L AS FE)	10/12/59-05/15/97	10	1150.	1427.	3100.	440.	727556.667	852.969	456.	705.	2075.	3020.
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/12/59-05/15/97	9	239.	261.222	451.	179.	6508.944	80.678	179.	205.	287.5	451.
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	09/24/79-02/19/97	9	29.	30.556	68.	6.	313.278	17.7	6.	21.	39.	68.

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

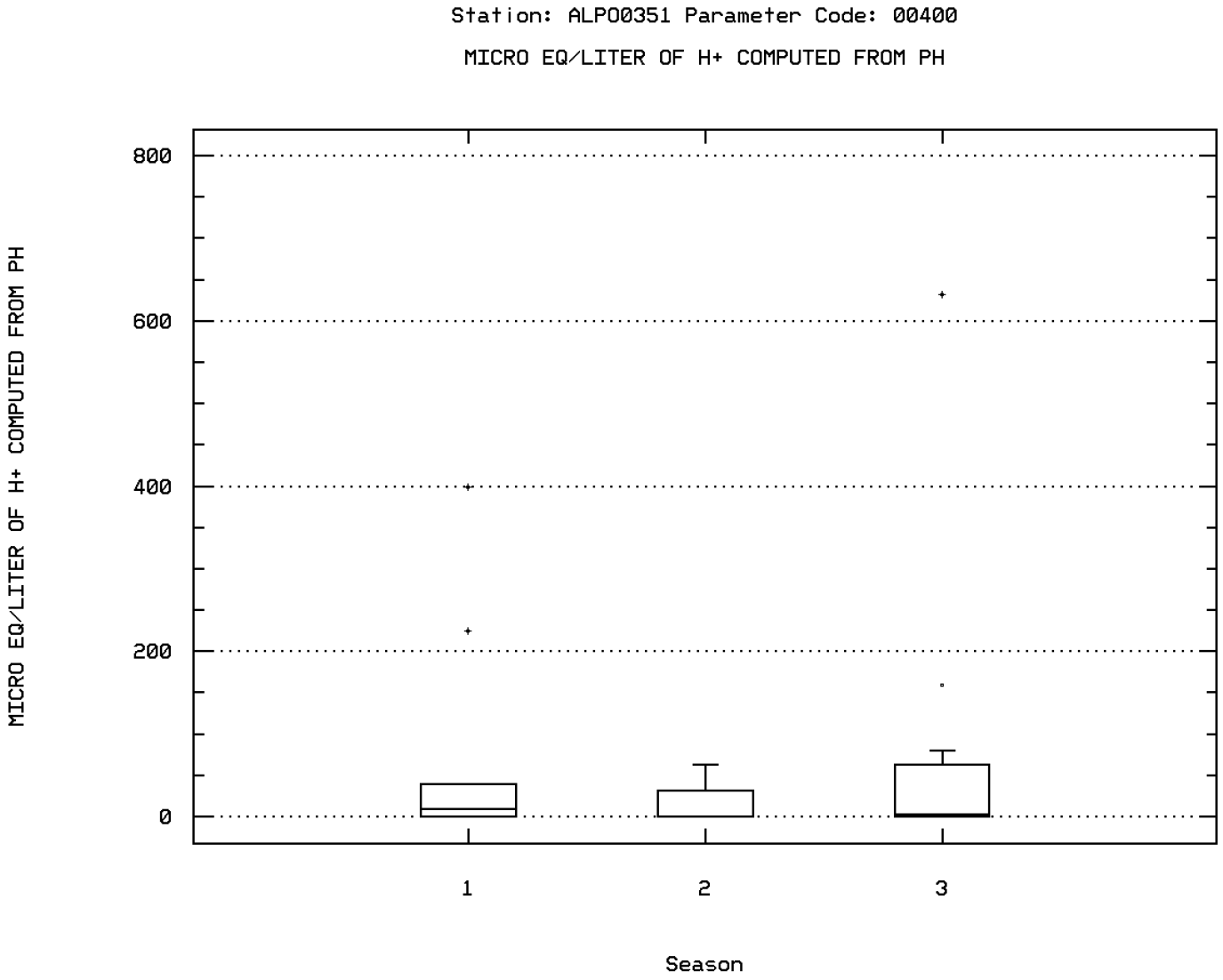
Seasonal Analysis for Season #3: 4/01 to 7/31 - Station ALPO0351

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/21/75-05/15/97	14	17.	16.	24.	7.	29.846	5.463	7.5	11.	20.125	23.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/21/75-03/24/97	13	640.	719.	2210.	96.	302373.	549.885	108.4	334.	914.5	1778.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/12/59-05/15/97	16	435.5	480.063	820.	250.	33725.396	183.645	285.	332.5	647.	806.
00300	OXYGEN, DISSOLVED MG/L	10/21/75-05/15/97	9	8.7	9.189	11.6	7.	1.951	1.397	7.	8.3	10.3	11.6
00400p	PH (STANDARD UNITS)	10/12/59-05/15/97	15	5.7	5.48	7.	3.2	1.769	1.33	3.56	4.2	6.8	7.
00400p	CONVERTED PH (STANDARD UNITS)	10/12/59-05/15/97	15	5.7	4.168	7.	3.2	3.613	1.901	3.56	4.2	6.8	7.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/12/59-05/15/97	15	1.995	67.934	630.957	0.1	26324.674	162.249	0.1	0.158	63.096	347.477
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/12/59-05/15/97	14	165.	191.786	470.	98.	11053.566	105.136	99.	120.	222.	395.
01045p	IRON, TOTAL (UG/L AS FE)	10/23/59-05/23/94	10	2800.	2905.	6200.	300.	3386627.778	1840.279	370.	1502.5	4082.5	6100.
01046p	IRON, DISSOLVED (UG/L AS FE)	10/12/59-05/15/97	11	628.	955.909	2200.	150.	617584.891	785.866	152.	307.	1800.	2180.
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/12/59-05/15/97	10	268.	291.3	499.	194.	10840.233	104.116	194.8	217.75	330.75	494.7
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	09/24/79-02/19/97	7	12.	23.	53.	9.	383.333	19.579	**	**	**	**

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



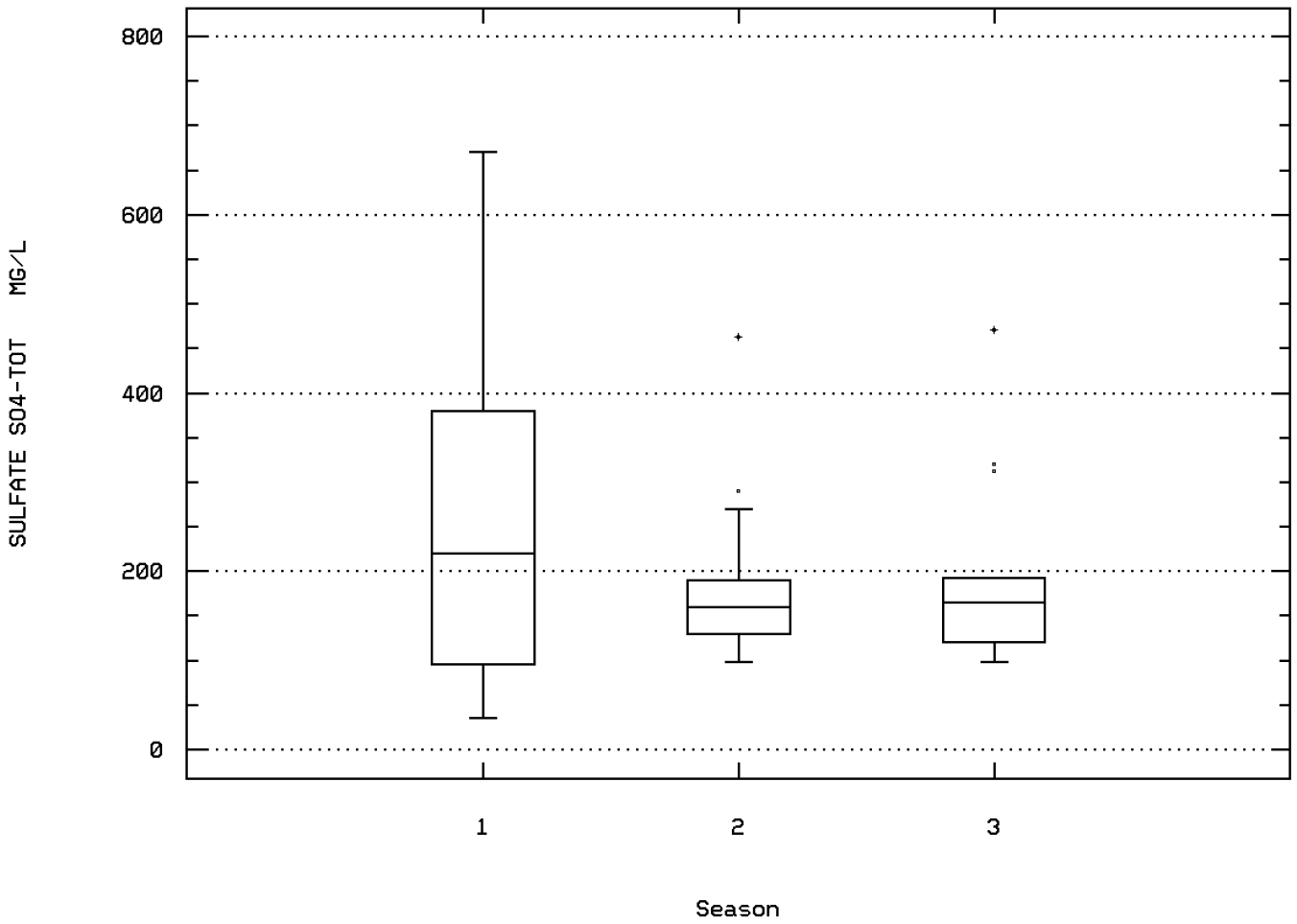
STONYCREEK RIVER AT FERNDALE, PA.



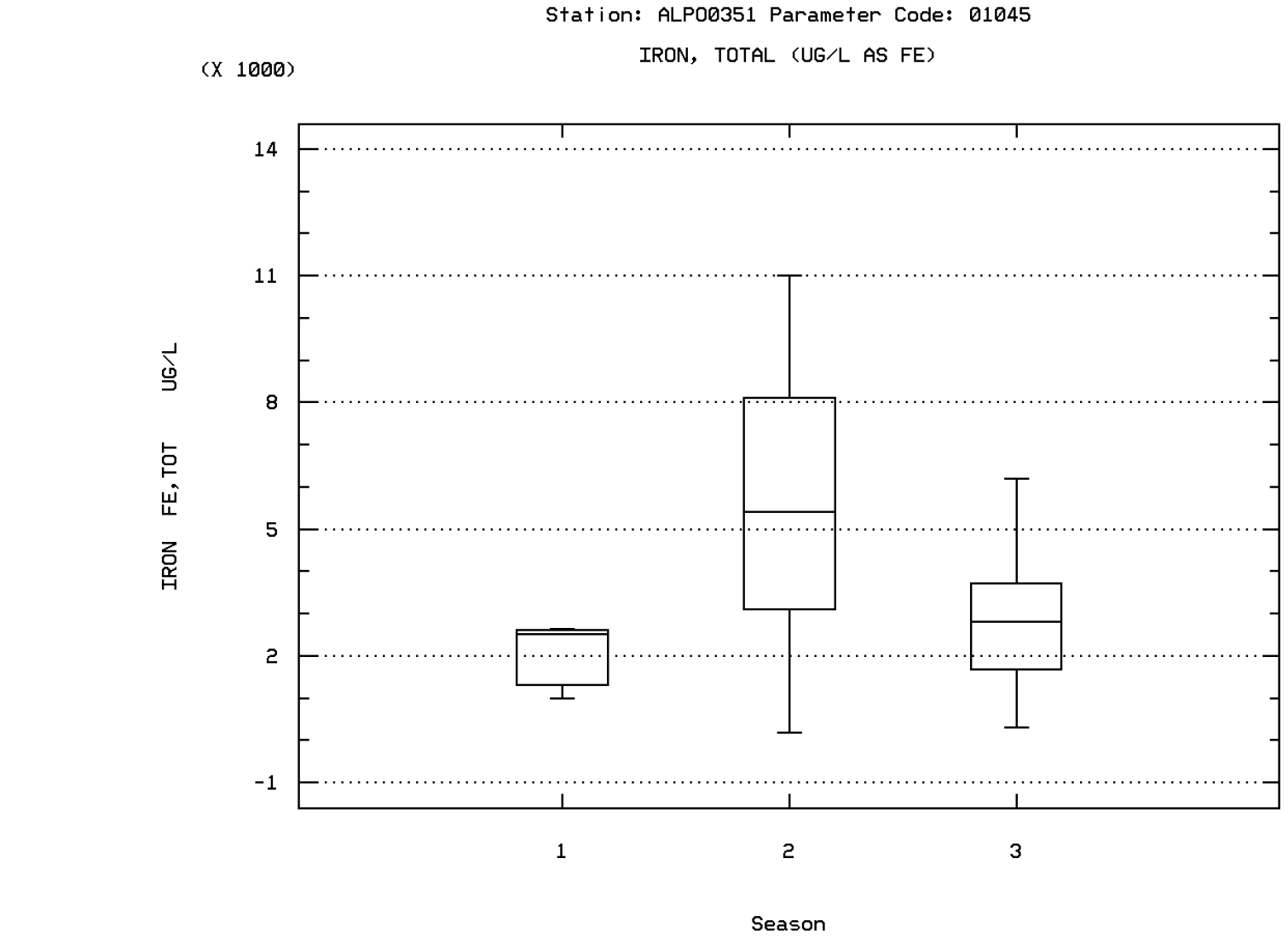
STONYCREEK RIVER AT FERNDALE, PA.

Station: ALP00351 Parameter Code: 00945

SULFATE, TOTAL (MG/L AS SO4)



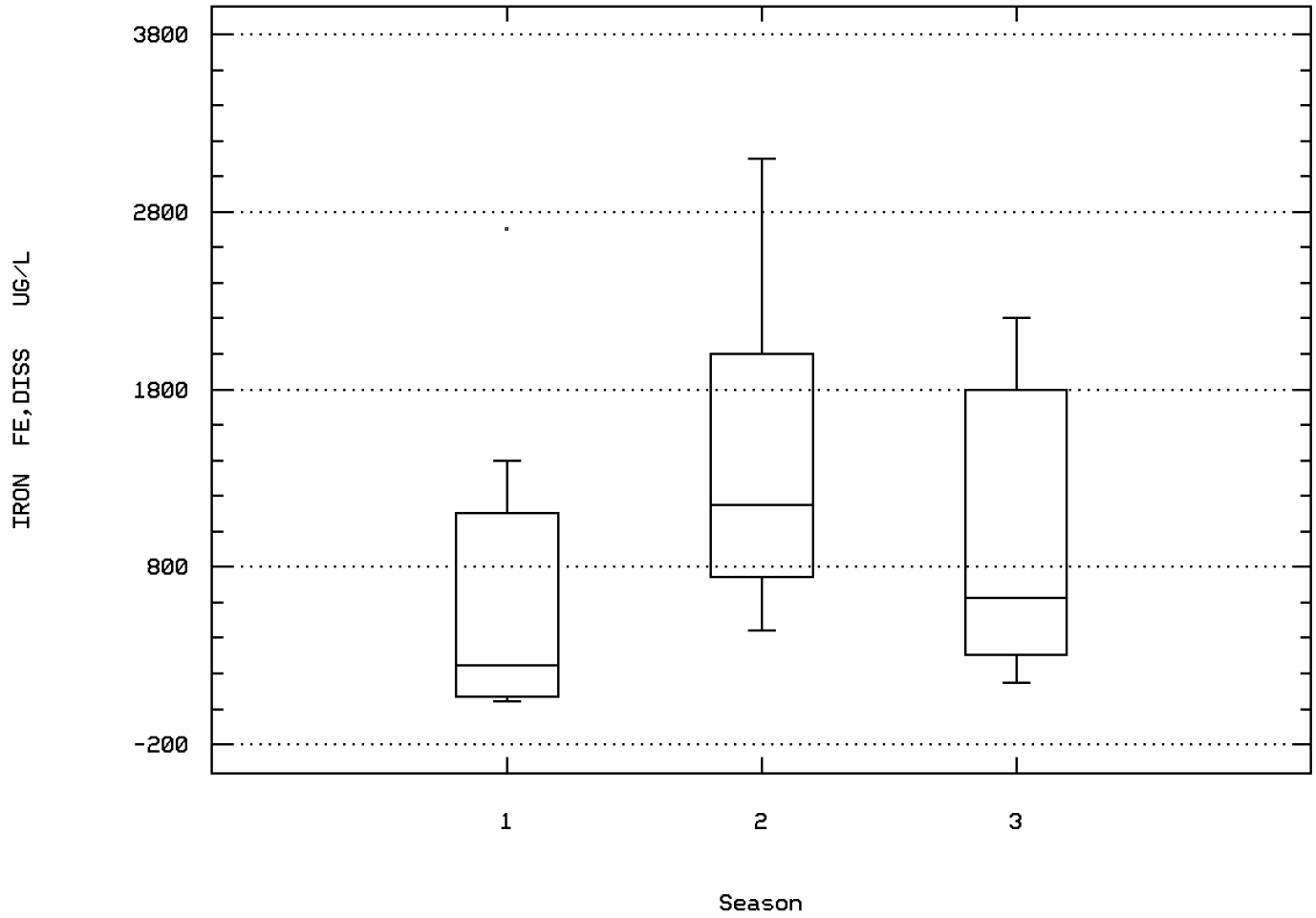
STONYCREEK RIVER AT FERNDALE, PA.



STONYCREEK RIVER AT FERNDALE, PA.

Station: ALP00351 Parameter Code: 01046

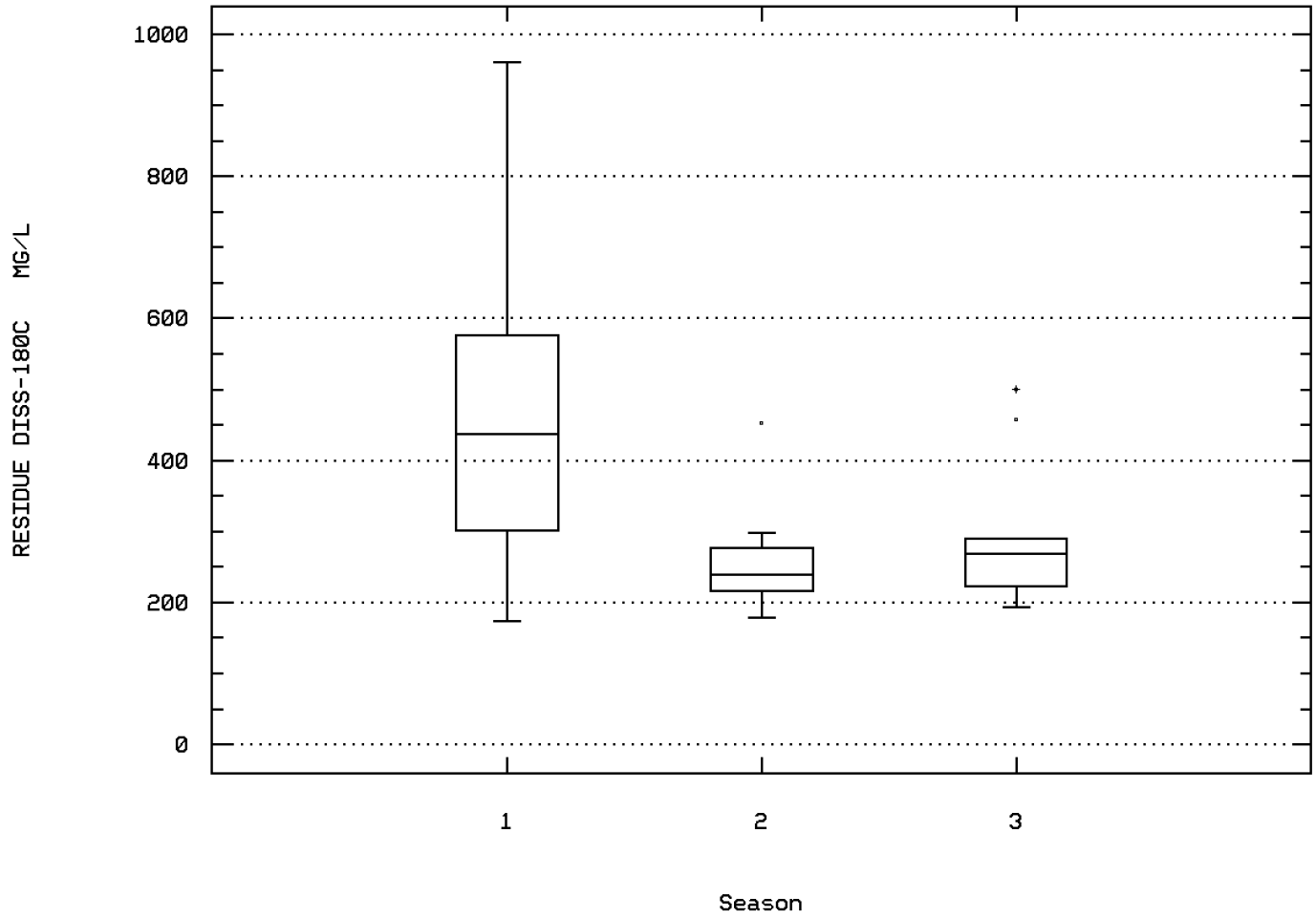
IRON, DISSOLVED (UG/L AS FE)



STONYCREEK RIVER AT FERNDALE, PA.

Station: ALP00351 Parameter Code: 70300

RESIDUE,TOTAL FILTRABLE (DRIED AT 180C)



STONYCREEK RIVER AT FERNDALE, PA.

Station Inventory for Station: ALPO0352

NPS Station ID: ALPO0352 LAT/LON: 40.328476/ -78.921116 Agency: 11COEHUN Date Created: 01/10/81
Location: LITTLE CONEMAUGH RIVER IN JOHNSTOWN,PA. - MI 0.3 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 4CON12185
RMI-Indexes: 1021500 007720 21670 0500 Within Park Boundary: No
RMI-Miles: 0953.80 0981.00 030.20 026.80
HUC: 05010007 Depth of Water: 25 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER - CONEMAUGH RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 05010007000300.03 RF3 Mile Point: 2.86 Distance from RF3: 0.00 On/Off RF3:
Description:
LOCATED ON THE LITTLE CONEMAUGH RIVER AT THE SECOND BRIDGE UPSTREAM OF ITS CONFLUENCE WITH THE CONEMAUGH RIVER IN JOHNSTOWN, PA. - JOHNSTOWN , PA. QUAD - SAMPLED BY THE U.S. ARMY CORPS OF ENGINEERS, PITTSBURGH, PA

Parameter Inventory for Station: ALPO0352

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/30/80-04/28/81	4	3.05	4.975	13.5	0.3	36.783	6.065	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/30/80-04/28/81	4	12.	30.225	93.	3.9	1772.003	42.095	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	12/30/80-04/28/81	4	65.	70.	100.	50.	600.	24.495	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/30/80-04/28/81	4	482.5	442.25	574.	230.	22820.25	151.064	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/30/80-04/28/81	4	12.25	12.675	16.5	9.7	8.083	2.843	**	**	**	**
00400	PH (STANDARD UNITS)	12/30/80-04/28/81	4	6.04	5.658	6.3	4.25	0.909	0.953	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/30/80-04/28/81	4	6.018	4.834	6.3	4.25	1.813	1.347	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/30/80-04/28/81	4	0.96	14.664	56.234	0.501	768.15	27.716	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/30/80-04/28/81	4	5.65	5.775	6.4	5.4	0.203	0.45	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/30/80-04/28/81	4	5.625	5.642	6.4	5.4	0.226	0.476	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/30/80-04/28/81	4	2.374	2.282	3.981	0.398	2.566	1.602	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/30/80-04/28/81	4	8.5	8.5	12.	5.	9.667	3.109	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/30/80-04/28/81	4	27.	29.25	46.	17.	146.917	12.121	**	**	**	**
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	12/30/80-04/28/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	12/30/80-04/28/81	4	27.	29.25	46.	17.	146.917	12.121	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	12/30/80-04/28/81	4	370.5	377.5	465.	304.	6153.667	78.445	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/30/80-04/28/81	4	289.	306.	428.	218.	7752.	88.045	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/30/80-04/28/81	4	31.	71.75	205.	20.	7942.25	89.119	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/11/81-04/28/81	3	0.9	0.967	1.2	0.8	0.043	0.208	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/11/81-04/28/81	3	1.2	1.433	2.	1.1	0.243	0.493	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/11/81-04/28/81	3	1.1	1.133	1.8	0.5	0.423	0.651	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/11/81-04/28/81	3	0.06	0.057	0.07	0.04	0.	0.015	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	03/26/81-04/28/81	2	0.016	0.016	0.021	0.01	0.	0.008	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/30/80-04/28/81	4	169.	176.75	216.	153.	747.583	27.342	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	12/30/80-04/28/81	4	44.5	45.475	51.4	41.5	19.103	4.371	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	12/30/80-04/28/81	4	14.1	15.375	21.3	12.	16.589	4.073	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	12/30/80-04/28/81	4	8.9	13.693	34.	2.97	196.708	14.025	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	12/30/80-04/28/81	4	2.5	4.175	11.2	0.5	22.989	4.795	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/30/80-04/28/81	4	169.5	201.25	321.	145.	6534.917	80.839	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	02/11/81-04/28/81	3	39.	45.667	62.	36.	202.333	14.224	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/11/81-04/28/81	3	4.7	4.233	5.	3.	1.163	1.079	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	12/30/80-04/28/81	4 ##	0.5	3.125	11.	0.5	27.563	5.25	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	12/30/80-04/28/81	4 ##	0.5	1.125	3.	0.5	1.563	1.25	**	**	**	**

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

Parameter Inventory for Station: ALPO0352

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042	COPPER, TOTAL (UG/L AS CU)	12/30/80-04/28/81	4	9.	11.25	20.	7.	35.583	5.965	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	12/30/80-04/28/81	4	11452.5	12189.25	17240.	8612.	15917451.583	3989.668	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	12/30/80-04/28/81	4	7.	6.75	12.	1.	20.917	4.573	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	12/30/80-04/28/81	4	1351.	3252.25	9518.	789.	17553869.583	4189.734	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	02/11/81-04/28/81	2 ##	173.	173.	341.	5.	56448.	237.588	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	12/30/80-04/28/81	4	23.	21.125	36.	2.5	191.729	13.847	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	12/30/80-04/28/81	4	198.	203.5	251.	167.	1633.	40.41	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	02/11/81-04/28/81	2 ##	21.	21.	37.	5.	512.	22.627	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	12/30/80-04/28/81	4	3360.5	3451.75	4846.	2240.	1415614.917	1189.796	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	12/30/80-04/28/81	3	0.1	0.075	0.1	0.025	0.002	0.043	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	12/30/80-04/28/81	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 time series plot

EPA Water Quality Criteria Analysis for Station: ALPO0352

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	4	1	0.25				3	1	0.33	1	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00				3	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	4	0	0.00				3	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				3	3	1.00	1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00				3	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				3	3	1.00	1	1	1.00			
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	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			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	1	0.25				3	1	0.33	1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00				2	0	0.00	1	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	4.	3	2	0.67				2	1	0.50	1	1	1.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4	1	0.25				3	1	0.33	1	0	0.00			
		Drinking Water	5.	4	1	0.25				3	1	0.33	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.	4	1	0.25				3	1	0.33	1	0	0.00			
		Drinking Water	1300.	4	0	0.00				3	0	0.00	1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	4	0	0.00				3	0	0.00	1	0	0.00			
		Drinking Water	15.	4	0	0.00				3	0	0.00	1	0	0.00			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	2.	1 &	1	1.00							1	1	1.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00				3	0	0.00	1	0	0.00			
		Drinking Water	100.	4	0	0.00				3	0	0.00	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	4	4	1.00				3	3	1.00	1	1	1.00			
		Drinking Water	5000.	4	0	0.00				3	0	0.00	1	0	0.00			
01097	ANTIMONY, TOTAL	Fresh Acute	88.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	6.	2	1	0.50				1	0	0.00	1	1	1.00			

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

Station Inventory for Station: ALPO0353

NPS Station ID: ALPO0353
LAT/LON: 40.285837/ -78.921949
Agency: 1114O100
Date Created: / /
Location: STONY CREEK AT USGS AT RIVERSID
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 415382
RMI-Indexes: 1021500 007720 21670 0500 1520
Within Park Boundary: No
RMI-Miles: 0953.80 0981.00 030.20 083.10 000.00
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007003
RF1 Mile Point: 5.340
Distance from RF1: 8.40
On/Off RF1: OFF
RF3 Index: 05010007063100.00
RF3 Mile Point: 2.66
Distance from RF3: 0.02
On/Off RF3:
Description:
STATION LOCATED ON STONY CREEK AT THE USGS AT RIVERSIDE. STONY CREEK IS A TRIB TO THE CONEMAUGH RIVER.
1968 WFO-REGION III AND DER OF PENNSYLVANIA STUDY BY SCOTT MCPHILLIAMY. JOHNSTOWN, PA. 15 MIN QUAD MAP 4017090 07855190
JOHNSTOWN,PA 15MIN QUAD MAP 4017100 07855190

Parameter Inventory for Station: ALPO0353

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: ALPO0354

NPS Station ID: ALPO0354
LAT/LON: 40.302781/ -78.922226
Agency: 112WRD
Date Created: 02/04/95
Location: SITE 198
FIPS State/County: 42111 PENNSYLVANIA/SOMERSET
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 401810078552001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0354

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/94-08/15/94	1	17.5	17.5	17.5	17.5	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	08/15/94-08/15/94	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/15/94-08/15/94	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/94-08/15/94	1	1020.	1020.	1020.	1020.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/15/94-08/15/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/15/94-08/15/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/94-08/15/94	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/94-08/15/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/94-08/15/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/94-08/15/94	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/15/94-08/15/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/15/94-08/15/94	1	968.	968.	968.	968.	0.	0.	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	08/15/94-08/15/94	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/94-08/15/94	1	370.	370.	370.	370.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/94-08/15/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/15/94-08/15/94	1	3790.	3790.	3790.	3790.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/15/94-08/15/94	1	2580.	2580.	2580.	2580.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	08/15/94-08/15/94	1	2340.	2340.	2340.	2340.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/94-08/15/94	1	719.	719.	719.	719.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/15/94-08/15/94	1	9960.	9960.	9960.	9960.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/94-08/15/94	1	9960.	9960.	9960.	9960.	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	08/15/94-08/15/94	1	78.	78.	78.	78.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0354

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00	1	1	1.00									
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ALPO0355

NPS Station ID: ALPO0355
LAT/LON: 40.342031/ -78.923754
Agency: 11NPSWRD
Date Created: 10/17/98
Location: HINKSTON RUN HR-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_HR-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT HINKSTON RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0355

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/11/94-01/11/95	2	9.6	9.6	16.4	2.8	92.48	9.617	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/11/94-08/11/94	1	585.	585.	585.	585.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/11/94-01/11/95	2	1570.	1570.	2670.	470.	2420000.	1555.635	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/11/94-06/14/95	3	453.	773.667	1489.	379.	385145.333	620.601	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/11/94-06/14/95	3	6.8	6.667	7.1	6.1	0.263	0.513	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/11/94-06/14/95	3	6.8	6.463	7.1	6.1	0.325	0.57	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/11/94-06/14/95	3	0.158	0.344	0.794	0.079	0.154	0.392	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/11/94-01/11/95	2	6.4	6.4	6.5	6.3	0.02	0.141	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/11/94-01/11/95	2	6.389	6.389	6.5	6.3	0.02	0.142	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/11/94-01/11/95	2	0.409	0.409	0.501	0.316	0.017	0.131	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/11/94-06/14/95	3	26.	26.667	30.	24.	9.333	3.055	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/11/94-06/14/95	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/11/94-06/14/95	3	166.	337.667	725.	122.	113004.333	336.161	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/11/94-06/14/95	3	2.	2.667	5.	1.	4.333	2.082	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/11/94-06/14/95	3	1.	1.4	3.	0.2	2.08	1.442	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/11/94-06/14/95	3	1.1	3.	7.1	0.8	12.63	3.554	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/11/94-06/14/95	3	1.1	2.667	6.1	0.8	8.863	2.977	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/11/94-06/14/95	3	2.	3.	6.	1.	7.	2.646	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/11/94-06/14/95	3	334.	671.333	1350.	330.	345445.333	587.746	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/11/94-01/11/95	2	1051.5	1051.5	1788.	315.	1084864.5	1041.568	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0355

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	1	0.33	1	0	0.00	1	0	0.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00	1	1	1.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	1	0.33	1	1	1.00	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: ALPO0356

NPS Station ID: ALPO0356
LAT/LON: 40.340838/ -78.924171
Agency: 112WRD
Date Created: 09/08/79
Location: HINCKSTON RUN AT MINERSVILLE, PA
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03041028
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05010007002
RF1 Mile Point: 35.590
Distance from RF1: 9.30
On/Off RF1: OFF
RF3 Index: 05010007004501.13
RF3 Mile Point: 1.12
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0356

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/05/79-08/14/81	6	19.5	16.583	23.	4.5	55.442	7.446	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/05/79-08/14/81	6	14.5	18.5	56.	3.	386.7	19.665	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/05/79-08/14/81	6	1455.	1888.333	3500.	535.	1300626.667	1140.45	**	**	**	**
00400	PH (STANDARD UNITS)	06/05/79-08/14/81	6	5.4	5.217	6.3	3.6	1.114	1.055	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/05/79-08/14/81	6	5.355	4.3	6.3	3.6	2.123	1.457	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/05/79-08/14/81	6	4.411	50.159	251.189	0.501	9926.39	99.631	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/01/81-08/14/81	2	3.15	3.15	3.2	3.1	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/01/81-08/14/81	2	3.147	3.147	3.2	3.1	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/01/81-08/14/81	2	712.643	712.643	794.328	630.957	13345.024	115.521	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/05/79-08/20/80	4	9.	10.75	23.	2.	78.25	8.846	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/09/79-08/14/81	5	432.	349.4	695.	74.	68583.3	261.884	**	**	**	**
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	08/20/80-08/20/80	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	08/20/80-08/20/80	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	08/20/80-08/20/80	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/05/79-08/14/81	6	615.	806.667	1600.	190.	281746.667	530.798	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/09/79-08/09/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/09/79-08/09/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/09/79-08/09/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/09/79-08/09/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/09/79-08/09/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	06/05/79-08/14/81	6	12000.	12666.667	30000.	0.	135066666.667	11621.819	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/05/79-08/14/81	6	54500.	105000.	310000.	18000.	12616800000.	112324.53	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/05/79-08/14/81	6	41000.	92333.333	280000.	18000.	10834266666.667	104087.783	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/09/79-08/09/79	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/09/79-08/09/79	1	2600.	2600.	2600.	2600.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/05/79-08/14/81	6	0.	0.	0.	0.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/05/79-08/14/81	6	11950.	16233.333	32000.	3500.	142626666.667	11942.641	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/05/79-08/14/81	6	12000.	16516.667	32000.	3600.	145881666.667	12078.148	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/09/79-08/09/79	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/09/79-08/09/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/09/79-08/09/79	1	53000.	53000.	53000.	53000.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/09/79-08/14/81	5	1190.	1533.4	2720.	337.	953372.8	976.408	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/09/79-08/14/81	5	38.9	37.46	58.3	18.5	315.863	17.773	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/09/79-08/14/81	5	1.62	2.086	3.7	0.46	1.761	1.327	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	08/09/79-08/14/81	5	8.7	7.04	14.	1.5	27.783	5.271	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/09/79-08/09/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/05/79-08/14/81	6	79.	129.	428.	26.	22184.8	148.946	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	06/05/79-08/14/81	6	2.5	5.568	23.	0.7	74.4	8.626	**	**	**	**

** - Less than 9 observations ## - 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: ALPO0356

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	08/20/80-08/20/80	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

EPA Water Quality Criteria Analysis for Station: ALPO0356

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	6	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	6	6	1.00	3	3	1.00	1	1	1.00	2	2	1.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	5	0.83	3	3	1.00	1	0	0.00	2	2	1.00			

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

Station Inventory for Station: ALPO0357

NPS Station ID: ALPO0357
LAT/LON: 40.328337/ -78.926115
Agency: 112WRD
Date Created: 04/01/95
Location: SITE 149
FIPS State/County: 42111 PENNSYLVANIA/SOMERSET
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 401942078553401
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC:
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0357

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/21/94-11/21/94	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	11/21/94-11/21/94	1	884.	884.	884.	884.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/21/94-11/21/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/21/94-11/21/94	1	2840.	2840.	2840.	2840.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	11/21/94-11/21/94	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/21/94-11/21/94	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/94-11/21/94	1	1.995	1.995	1.995	1.995	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/21/94-11/21/94	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/21/94-11/21/94	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/21/94-11/21/94	1	1.259	1.259	1.259	1.259	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/21/94-11/21/94	1	66.	66.	66.	66.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/21/94-11/21/94	1	3208.	3208.	3208.	3208.	0.	0.	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	11/21/94-11/21/94	1	31.3	31.3	31.3	31.3	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/21/94-11/21/94	1	3091.	3091.	3091.	3091.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	11/21/94-11/21/94	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/21/94-11/21/94	1	392000.	392000.	392000.	392000.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	11/21/94-11/21/94	1	329000.	329000.	329000.	329000.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/21/94-11/21/94	1	4380.	4380.	4380.	4380.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/21/94-11/21/94	1	654.	654.	654.	654.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/21/94-11/21/94	1	396.	396.	396.	396.	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/21/94-11/21/94	1	634.	634.	634.	634.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0357

Parameter				Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00				1	1	1.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: ALPO0358

NPS Station ID: ALPO0358 LAT/LON: 40.341254/ -78.926670 Agency: 11COEHUN Date Created: 01/10/81
Location: CONEMAUGH RIVER AT JOHNSTOWN, PA. - MILE 51.7 FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 4CON11130
RMI-Indexes: 1021500 007720 21670 0500 Within Park Boundary: No
RMI-Miles: 0953.80 0981.00 030.20 026.80
HUC: 05010007 Depth of Water: 25 Aquifer:
Major Basin: OHIO RIVER Elevation: 0 Water Body Id:
Minor Basin: ALLEGHENY RIVER ECO Region:
RF1 Index: 05010007 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02050201046400.00 RF3 Mile Point: 0.15 Distance from RF3: 0.02 On/Off RF3:
Description:
LOCATED ON THE CONEMAUGH RIVER AT THE FOURTH AVE. BRIDGE IN CAMBRIA CITY PA., DOWNSTREAM OF BETHLEHEM STEEL CO. - JOHNSTOWN, PA. QUAD - SAMPLED BY THE U.S. ARMY CORPS OF ENGINEERS, PITTSBURGH, PA.

Parameter Inventory for Station: ALPO0358

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/25/80-04/28/81	5	4.	4.96	12.8	0.8	21.028	4.586	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/25/80-04/28/81	5	21.	21.38	40.	1.9	182.272	13.501	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	11/25/80-04/28/81	5	45.	39.6	60.	3.	573.3	23.944	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/25/80-04/28/81	5	390.	401.8	579.	170.	27381.2	165.473	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/25/80-04/28/81	5	11.6	11.9	15.8	9.6	6.14	2.478	**	**	**	**
00400	PH (STANDARD UNITS)	11/25/80-04/28/81	5	5.65	5.652	6.15	5.2	0.116	0.34	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/25/80-04/28/81	5	5.65	5.553	6.15	5.2	0.128	0.358	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/25/80-04/28/81	5	2.239	2.801	6.31	0.708	4.415	2.101	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/25/80-04/28/81	5	5.3	5.	5.4	4.3	0.23	0.48	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/25/80-04/28/81	5	5.3	4.774	5.4	4.3	0.294	0.542	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/25/80-04/28/81	5	5.012	16.815	50.119	3.981	390.58	19.763	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/25/80-04/28/81	5	3.	2.8	4.	0.	2.7	1.643	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/25/80-04/28/81	5	25.	25.	38.	12.	102.5	10.124	**	**	**	**
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	11/25/80-04/28/81	5	0.	0.4	2.	0.	0.8	0.894	**	**	**	**
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	11/25/80-04/28/81	5	25.	23.8	38.	12.	91.7	9.576	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/25/80-04/28/81	5	252.	311.4	461.	178.	15483.8	124.434	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/25/80-04/28/81	5	236.	253.2	394.	101.	12148.7	110.221	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/25/80-04/28/81	5	32.	58.4	144.	16.	2855.3	53.435	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/11/81-04/28/81	3	0.2	0.483	1.2	0.05	0.391	0.625	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/25/80-04/28/81	4	0.35	0.575	1.3	0.3	0.236	0.486	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/11/81-04/28/81	3	1.1	1.067	1.4	0.7	0.123	0.351	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/25/80-04/28/81	4	0.035	0.048	0.09	0.03	0.001	0.029	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/25/80-04/28/81	5	0.005	0.008	0.02	0.002	0.	0.007	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/25/80-04/28/81	5	146.	148.8	200.	89.	1945.7	44.11	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	11/25/80-04/28/81	6	42.05	38.7	48.1	20.9	118.82	10.9	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/25/80-04/28/81	5	13.	13.72	20.1	9.	17.517	4.185	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	11/25/80-04/28/81	5	6.	8.06	19.	2.29	47.715	6.908	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	11/25/80-04/28/81	5	1.2	3.68	13.2	0.5	29.367	5.419	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/30/80-04/28/81	4	170.	182.5	254.	136.	3129.	55.937	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	02/11/81-04/28/81	3	43.	46.	52.	43.	27.	5.196	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/11/81-04/28/81	3	3.	3.8	6.4	2.	5.32	2.307	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/80-04/28/81	6 ##	0.75	1.083	3.	0.5	0.942	0.97	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/25/80-04/28/81	6 ##	0.5	0.75	2.	0.5	0.375	0.612	**	**	**	**

** - Less than 9 observations ## - 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: ALPO0358

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042	COPPER, TOTAL (UG/L AS CU)	11/25/80-04/28/81	6	8.5	9.833	19.	7.	20.967	4.579	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/25/80-04/28/81	6	10110.	10470.833	18774.	5402.	27497431.367	5243.799	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/25/80-04/28/81	6 ##	3.5	4.833	14.	1.	26.167	5.115	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/25/80-04/28/81	6	1550.	2882.667	10437.	820.	13821197.467	3717.687	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	02/11/81-04/28/81	2 ##	129.5	129.5	254.	5.	31000.5	176.07	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/25/80-04/28/81	6	35.5	36.5	53.	21.	258.3	16.072	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/25/80-04/28/81	6	188.	190.667	231.	145.	1336.667	36.56	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	02/11/81-04/28/81	2 ##	15.	15.	25.	5.	200.	14.142	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/25/80-04/28/81	4	2008.5	2788.5	5355.	1782.	2950803.	1717.79	**	**	**	**
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	11/25/80-04/28/81	6	0.06	0.055	0.08	0.01	0.001	0.024	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	11/25/80-04/28/81	5	0.	1.2	6.	0.	7.2	2.683	**	**	**	**

** - 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: ALPO0358

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	5	0	0.00				4	0	0.00	1	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	5	0	0.00				4	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	5	0	0.00				4	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00				4	4	1.00	1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	5	0	0.00				4	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00				4	4	1.00	1	1	1.00			
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	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			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	1	0.25				3	1	0.33	1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00				2	0	0.00	1	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	4.	3	1	0.33				2	1	0.50	1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	6	0	0.00				5	0	0.00	1	0	0.00			
		Drinking Water	5.	6	0	0.00				5	0	0.00	1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	6	0	0.00				5	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	6	1	0.17				5	1	0.20	1	0	0.00			
		Drinking Water	1300.	6	0	0.00				5	0	0.00	1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	6	0	0.00				5	0	0.00	1	0	0.00			
		Drinking Water	15.	6	0	0.00				5	0	0.00	1	0	0.00			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	2.	1 &	1	1.00							1	1	1.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	6	0	0.00				5	0	0.00	1	0	0.00			
		Drinking Water	100.	6	0	0.00				5	0	0.00	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	6	6	1.00				5	5	1.00	1	1	1.00			
		Drinking Water	5000.	6	0	0.00				5	0	0.00	1	0	0.00			
01097	ANTIMONY, TOTAL	Fresh Acute	88.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	6.	2	1	0.50				1	0	0.00	1	1	1.00			

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

Station Inventory for Station: ALPO0359

NPS Station ID: ALPO0359
LAT/LON: 40.282781/ -78.936115
Agency: 112WRD
Date Created: 09/08/79
Location: BENS C AT FERNDALE, PA SITE 834
FIPS State/County: 42111 PENNSYLVANIA/SOMERSET
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03039957
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05010007046102.93
RF3 Mile Point: 6.77
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: ALPO0359

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/79-05/23/94	8	19.25	17.4	23.5	4.5	49.351	7.025	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/06/79-05/23/94	8	18.5	23.75	58.	4.	401.929	20.048	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/06/79-05/23/94	8	113.5	209.5	630.	90.	34794.857	186.534	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/28/93-07/28/93	1	10.1	10.1	10.1	10.1	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/06/79-05/23/94	8	7.1	7.138	7.8	6.8	0.114	0.338	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/06/79-05/23/94	8	7.1	7.045	7.8	6.8	0.124	0.352	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/06/79-05/23/94	8	0.079	0.09	0.158	0.016	0.003	0.053	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/01/81-05/23/94	4	7.05	7.325	8.5	6.7	0.683	0.826	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/01/81-05/23/94	4	6.982	6.988	8.5	6.7	0.834	0.913	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/01/81-05/23/94	4	0.104	0.103	0.2	0.003	0.008	0.092	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/06/79-05/23/94	8	17.	24.5	76.	8.	486.571	22.058	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/09/79-03/25/80	2	2.5	2.5	5.	0.	12.5	3.536	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/28/93-05/23/94	2	352.	352.	478.	226.	31752.	178.191	**	**	**	**
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	07/28/93-05/23/94	2	13.35	13.35	16.	10.7	14.045	3.748	**	**	**	**
00686	CARBON, INORGANIC, IN BED MATERIAL (GM/KG AS C)	08/23/80-08/23/80	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00687	CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	08/23/80-08/23/80	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00693	CARBON, ORGANIC+INORG.-BOTTOM MAT. (GM/KG)	08/23/80-08/23/80	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/06/79-05/23/94	8	47.5	68.	230.	16.	5308.571	72.86	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	07/28/93-05/23/94	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/23/80-08/23/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/23/80-08/23/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/23/80-08/23/80	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/23/80-08/23/80	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/23/80-08/23/80	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	06/06/79-08/12/81	6	235.	290.	620.	100.	32560.	180.444	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/06/79-05/23/94	8	269.	547.25	1900.	210.	342151.929	584.938	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/06/79-05/23/94	8	35.	274.375	1700.	5.	337724.554	581.141	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/23/80-08/23/80	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/23/80-08/23/80	1	1900.	1900.	1900.	1900.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	06/06/79-08/12/81	6	0.	6.667	30.	0.	146.667	12.111	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/06/79-05/23/94	8	40.	48.875	140.	10.	1678.696	40.972	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/06/79-05/23/94	8	35.	73.125	280.	20.	8063.839	89.799	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/23/80-08/23/80	1	140.	140.	140.	140.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/93-05/23/94	2	225.5	225.5	251.	200.	1300.5	36.062	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/28/93-05/23/94	2 ##	115.25	115.25	163.	67.5	4560.125	67.529	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/23/80-08/23/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/23/80-08/23/80	1	28000.	28000.	28000.	28000.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/09/79-08/12/81	5	55.	75.4	162.	48.	2362.8	48.609	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: ALPO0359

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/09/79-08/12/81	5	2.34	2.654	5.35	0.62	3.287	1.813	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/09/79-08/12/81	5	0.07	0.102	0.22	0.07	0.004	0.066	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	07/28/93-05/23/94	2	0.	0.	0.	0.	0.	0.	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	08/09/79-03/25/80	2 ##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/23/80-08/23/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/06/79-08/12/81	6	9.5	20.167	82.	2.	934.967	30.577	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	06/06/79-08/12/81	6	0.375	0.602	1.4	0.07	0.31	0.557	**	**	**	**
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	08/23/80-08/23/80	1	11.	11.	11.	11.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0359

				Total	Exceed	Prop.	----------8/01-10/31----------			----------11/01-3/31----------			----------4/01-7/31----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	8	0	0.00	3	0	0.00	1	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	3	0	0.00	1	0	0.00	4	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00				3	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00	1	0	0.00				3	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	8	0	0.00	3	0	0.00	1	0	0.00	4	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: ALPO0360

NPS Station ID: ALPO0360
LAT/LON: 40.360781/ -78.936143
Agency: 11NPSWRD
Date Created: 10/17/98
Location: CONEMAUGH RIVER CR-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_CR-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE CONEMAUGH RIVER. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0360

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/25/94-08/25/94	1	13.1	13.1	13.1	13.1	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/25/94-08/25/94	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/25/94-08/25/94	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/25/94-08/25/94	1	1259.	1259.	1259.	1259.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/25/94-08/25/94	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/25/94-08/25/94	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/25/94-08/25/94	1	794.328	794.328	794.328	794.328	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/25/94-08/25/94	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/25/94-08/25/94	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/25/94-08/25/94	1	25118.864	25118.864	25118.864	25118.864	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/25/94-08/25/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/25/94-08/25/94	1	276.	276.	276.	276.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/25/94-08/25/94	1	1061.	1061.	1061.	1061.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/25/94-08/25/94	1	33.	33.	33.	33.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/25/94-08/25/94	1	33.	33.	33.	33.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/25/94-08/25/94	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/25/94-08/25/94	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/25/94-08/25/94	1	18.	18.	18.	18.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/25/94-08/25/94	1	636.	636.	636.	636.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	08/25/94-08/25/94	1	1477.	1477.	1477.	1477.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0360

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0361

NPS Station ID: ALPO0361
LAT/LON: 40.335281/ -78.965226
Agency: 11NPSWRD
Date Created: 10/17/98
Location: STONYCREEK SCR-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_SCR-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT STONYCREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0361

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/23/93-01/25/96	3	6.4	6.233	10.	2.3	14.843	3.853	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	10/23/93-01/25/96	2	4638.5	4638.5	7209.	2068.	13214940.5	3635.236	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/23/93-01/25/96	3	300.	299.	400.	197.	10303.	101.504	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/23/93-01/25/96	3	317.	325.333	370.	289.	1692.333	41.138	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/23/93-01/25/96	3	5.	5.233	5.9	4.8	0.343	0.586	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/23/93-01/25/96	3	5.	5.044	5.9	4.8	0.397	0.63	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/23/93-01/25/96	3	10.	9.036	15.849	1.259	53.914	7.343	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/23/93-01/25/96	3	5.	5.133	5.9	4.5	0.503	0.709	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/23/93-01/25/96	3	5.	4.845	5.9	4.5	0.628	0.793	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/23/93-01/25/96	3	10.	14.294	31.623	1.259	244.319	15.631	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/23/93-01/25/96	3	3.	3.333	5.	2.	2.333	1.528	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/23/93-01/25/96	3	16.	17.	28.	7.	111.	10.536	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/23/93-01/25/96	3	115.	88.667	127.	24.	3172.333	56.323	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/23/93-01/25/96	3	2.	1.667	2.	1.	0.333	0.577	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/23/93-01/25/96	3	0.5	0.533	0.7	0.4	0.023	0.153	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/23/93-01/25/96	3	2.3	1.933	2.3	1.2	0.403	0.635	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/93-01/25/96	3	2.2	1.867	2.3	1.1	0.443	0.666	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/23/93-01/25/96	3	2.	1.667	2.	1.	0.333	0.577	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	10/23/93-01/25/96	3	256.	270.	300.	254.	676.	26.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	10/23/93-01/25/96	3	256.	218.667	268.	132.	5669.333	75.295	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0361

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00	1	1	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00	1	1	1.00	1	1	1.00			
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: ALPO0362

NPS Station ID: ALPO0362
LAT/LON: 40.335976/ -78.966170
Agency: 11NPSWRD
Date Created: 10/17/98
Location: GRAY RUN GR-01
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_GR-01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT GRAY RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0362

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/92-01/25/96	6	10.45	10.933	19.2	3.	35.119	5.926	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/28/92-01/25/96	7	1995.	2203.286	4695.	250.	2625383.238	1620.303	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/92-01/25/96	6	70.	76.5	98.	62.	199.1	14.11	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/92-01/25/96	7	104.	101.286	143.	51.	782.571	27.974	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/28/92-01/25/96	7	4.8	4.771	4.9	4.6	0.012	0.111	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/28/92-01/25/96	7	4.8	4.759	4.9	4.6	0.013	0.112	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/92-01/25/96	7	15.849	17.414	25.119	12.589	20.618	4.541	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/28/92-01/25/96	7	5.1	4.986	5.3	4.4	0.108	0.329	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/28/92-01/25/96	7	5.1	4.864	5.3	4.4	0.125	0.354	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/92-01/25/96	7	7.943	13.668	39.811	5.012	158.632	12.595	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/92-01/25/96	7	2.	1.714	2.	1.	0.238	0.488	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/92-01/25/96	7	11.	11.429	16.	6.	13.619	3.69	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/92-01/25/96	7	41.	40.	58.	17.	171.333	13.089	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/92-01/25/96	7	0.06	0.079	0.2	0.01	0.004	0.06	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/92-01/25/96	7	0.03	0.159	0.9	0.01	0.107	0.327	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/92-01/25/96	7	0.8	0.786	1.3	0.2	0.118	0.344	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/92-01/25/96	7	0.8	0.771	1.3	0.2	0.122	0.35	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/92-01/25/96	7	0.8	0.729	1.	0.1	0.092	0.304	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/92-01/25/96	7	72.	89.714	158.	58.	1328.571	36.45	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/92-01/25/96	6	47.	51.333	66.	42.	88.667	9.416	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0362

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	7	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	7	7	1.00	3	3	1.00	1	1	1.00	3	3	1.00			
00406	PH, FIELD	Fresh Chronic	9.	7	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	7	7	1.00	3	3	1.00	1	1	1.00	3	3	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	7	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00			

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

Station Inventory for Station: ALPO0363

NPS Station ID: ALPO0363
LAT/LON: 40.335253/ -78.966615
Agency: 11NPSWRD
Date Created: 10/17/98
Location: STONYCREEK SCR-02
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_SCR-02
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT STONYCREEK. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0363

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/23/93-01/25/96	3	6.3	6.5	10.5	2.7	15.24	3.904	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	10/23/93-01/25/96	2	2032.5	2032.5	3269.	796.	3057864.5	1748.675	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/23/93-01/25/96	3	510.	498.333	590.	395.	9608.333	98.022	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/23/93-05/05/95	2	577.	577.	623.	531.	4232.	65.054	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/23/93-01/25/96	3	5.1	5.367	6.2	4.8	0.543	0.737	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/23/93-01/25/96	3	5.1	5.089	6.2	4.8	0.659	0.812	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/23/93-01/25/96	3	7.943	8.141	15.849	0.631	57.926	7.611	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/23/93-01/25/96	3	5.3	5.2	5.7	4.6	0.31	0.557	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/23/93-01/25/96	3	5.3	4.97	5.7	4.6	0.389	0.624	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/23/93-01/25/96	3	5.012	10.709	25.119	1.995	158.015	12.57	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/23/93-05/05/95	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/23/93-01/25/96	3	19.	19.667	36.	4.	256.333	16.01	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/23/93-05/05/95	2	271.	271.	308.	234.	2738.	52.326	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/23/93-05/05/95	2	4.	4.	5.	3.	2.	1.414	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/23/93-05/05/95	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/23/93-05/05/95	2	3.35	3.35	3.9	2.8	0.605	0.778	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/93-05/05/95	2	3.35	3.35	3.9	2.8	0.605	0.778	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/23/93-05/05/95	2	4.	4.	5.	3.	2.	1.414	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	10/23/93-05/05/95	2	485.	485.	522.	448.	2738.	52.326	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	10/23/93-01/25/96	3	342.	334.	395.	265.	4273.	65.368	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0363

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00	1	1	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00	1	1	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	1	0.50	1	1	1.00				1	0	0.00			

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

Station Inventory for Station: ALPO0364

NPS Station ID: ALPO0364
LAT/LON: 40.337392/ -78.968671
Agency: 11NPSWRD
Date Created: 10/17/98
Location: GRAY RUN GR-04
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_GR-04
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE GRAY RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0364

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/93-11/14/94	3	11.2	13.533	19.5	9.9	27.123	5.208	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/13/93-11/14/94	3	35.	26.333	40.	4.	380.333	19.502	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/13/93-11/14/94	3	340.	340.333	351.	330.	110.333	10.504	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/13/93-11/14/94	3	405.	452.333	595.	357.	15841.333	125.862	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/13/93-11/14/94	3	4.4	4.6	5.1	4.3	0.19	0.436	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/13/93-11/14/94	3	4.4	4.486	5.1	4.3	0.209	0.458	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/93-11/14/94	3	39.811	32.624	50.119	7.943	483.426	21.987	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/13/93-11/14/94	3	4.7	5.167	6.2	4.6	0.803	0.896	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/13/93-11/14/94	3	4.7	4.817	6.2	4.6	0.987	0.993	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/93-11/14/94	3	19.953	15.234	25.119	0.631	166.612	12.908	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/13/93-11/14/94	3	0.	1.	3.	0.	3.	1.732	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/13/93-11/14/94	3	26.	28.	38.	20.	84.	9.165	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/13/93-11/14/94	3	245.	226.333	318.	116.	10462.333	102.286	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/13/93-11/14/94	3	3.	2.667	3.	2.	0.333	0.577	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/13/93-11/14/94	3	0.9	0.933	1.	0.9	0.003	0.058	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/13/93-11/14/94	3	4.6	5.	7.6	2.8	5.88	2.425	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/13/93-11/14/94	3	4.6	4.9	7.6	2.5	6.57	2.563	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/13/93-11/14/94	3	3.	3.333	5.	2.	2.333	1.528	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/13/93-11/14/94	3	366.	426.667	608.	306.	25561.333	159.879	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/13/93-11/14/94	3	228.	228.	235.	221.	49.	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: ALPO0364

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00	1	1	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00	1	1	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	1	0.33	1	1	1.00	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: ALPO0365

NPS Station ID: ALPO0365
LAT/LON: 40.337003/ -78.970559
Agency: 11NPSWRD
Date Created: 10/17/98
Location: GRAY RUN GR-46
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_GR-46
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT GRAY RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0365

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/23/93-04/20/95	3	11.3	10.867	11.7	9.6	1.243	1.115	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	10/23/93-09/30/95	4	2.	2.	2.	2.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/23/93-04/20/95	3	210.	281.667	450.	185.	21408.333	146.316	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/23/93-09/30/95	4	223.5	267.75	478.	146.	20994.917	144.896	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/23/93-09/30/95	4	5.35	5.35	6.2	4.5	0.523	0.723	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/23/93-09/30/95	4	5.282	4.972	6.2	4.5	0.714	0.845	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/23/93-09/30/95	4	5.228	10.677	31.623	0.631	204.597	14.304	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/23/93-09/30/95	4	5.35	5.15	6.2	3.7	1.177	1.085	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/23/93-09/30/95	4	5.222	4.275	6.2	3.7	2.197	1.482	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/23/93-09/30/95	4	5.998	53.038	199.526	0.631	9554.31	97.746	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/23/93-09/30/95	4	4.	7.	20.	0.	78.667	8.869	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/23/93-09/30/95	4	25.5	27.5	54.	5.	545.667	23.36	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/23/93-09/30/95	4	90.	106.	199.	45.	4296.667	65.549	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/23/93-09/30/95	4	9.5	12.75	29.	3.	130.917	11.442	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/23/93-09/30/95	4	1.5	3.9	12.	0.6	29.507	5.432	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/23/93-09/30/95	4	2.45	3.25	7.1	1.	7.79	2.791	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/93-09/30/95	4	2.15	2.85	6.1	1.	5.723	2.392	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/23/93-09/30/95	4	2.	2.375	5.	0.5	4.229	2.056	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	10/23/93-09/30/95	4	194.	229.5	382.	148.	11329.	106.438	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	10/23/93-04/20/95	3	140.	188.667	302.	124.	9697.333	98.475	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0365

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	2	2	1.00	1	1	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	2	2	1.00	1	1	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			

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

Station Inventory for Station: ALPO0366

NPS Station ID: ALPO0366
LAT/LON: 40.340088/ -78.972615
Agency: 11NPSWRD
Date Created: 10/17/98
Location: GRAY RUN GR-29
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_GR-29
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE GRAY RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0366

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/30/92-04/20/95	5	10.	11.4	20.7	7.5	29.195	5.403	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	09/30/92-04/20/95	5	2.	3.	6.	2.	3.	1.732	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/30/92-04/20/95	5	370.	381.4	480.	282.	5329.8	73.005	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/30/92-04/20/95	5	448.	472.2	570.	413.	4407.7	66.391	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/30/92-04/20/95	5	5.4	5.36	5.7	4.9	0.103	0.321	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/30/92-04/20/95	5	5.4	5.261	5.7	4.9	0.115	0.339	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/30/92-04/20/95	5	3.981	5.477	12.589	1.995	18.607	4.314	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/30/92-04/20/95	5	5.5	5.34	6.	4.6	0.433	0.658	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/30/92-04/20/95	5	5.5	4.996	6.	4.6	0.581	0.762	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/30/92-04/20/95	5	3.162	10.099	25.119	1.	132.937	11.53	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/30/92-04/20/95	5	4.	4.4	6.	3.	1.3	1.14	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	09/30/92-04/20/95	5	16.	14.6	22.	5.	61.8	7.861	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/30/92-04/20/95	5	220.	230.6	293.	160.	2869.8	53.571	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/30/92-04/20/95	5	0.07	0.174	0.6	0.06	0.057	0.238	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/30/92-04/20/95	5	0.07	0.148	0.5	0.04	0.039	0.198	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/30/92-04/20/95	5	2.2	2.16	2.7	1.6	0.163	0.404	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/30/92-04/20/95	5	2.2	2.2	3.1	1.4	0.375	0.612	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	09/30/92-04/20/95	5	0.3	0.72	2.	0.3	0.542	0.736	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	09/30/92-04/20/95	5	398.	405.6	442.	370.	932.8	30.542	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	09/30/92-04/20/95	5	248.	255.2	320.	189.	2338.7	48.36	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0366

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00	2	2	1.00	1	1	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00	2	2	1.00	1	1	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	2	0.40	2	1	0.50	1	0	0.00	2	1	0.50			

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

Station Inventory for Station: ALPO0367

NPS Station ID: ALPO0367
LAT/LON: 40.339948/ -78.973393
Agency: 11NPSWRD
Date Created: 10/17/98
Location: GRAY RUN GR-28
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_GR-28
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE GRAY RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0367

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/93-04/20/95	4	11.	11.425	14.4	9.3	5.116	2.262	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/13/93-04/20/95	4	7.	7.25	10.	5.	6.917	2.63	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/13/93-04/20/95	4	371.	378.	470.	300.	5442.667	73.774	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/13/93-09/30/95	6	435.	385.833	499.	58.	27226.567	165.005	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/13/93-09/30/95	6	4.65	4.8	5.8	4.4	0.268	0.518	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/13/93-09/30/95	6	4.625	4.644	5.8	4.4	0.297	0.545	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/93-09/30/95	6	23.736	22.723	39.811	1.585	198.345	14.084	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/13/93-09/30/95	5	4.7	4.72	4.9	4.6	0.017	0.13	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/13/93-09/30/95	5	4.7	4.705	4.9	4.6	0.017	0.131	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/93-09/30/95	5	19.953	19.726	25.119	12.589	31.046	5.572	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/13/93-09/30/95	6	1.4	3.3	15.	0.	33.66	5.802	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/13/93-09/30/95	6	24.	25.5	38.	16.	80.7	8.983	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/13/93-09/30/95	6	216.	192.5	306.	17.	10077.9	100.389	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/13/93-09/30/95	6	0.6	2.747	12.	0.08	21.704	4.659	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/13/93-09/30/95	6	0.09	1.628	9.	0.04	13.072	3.616	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/13/93-09/30/95	6	4.5	4.117	5.8	0.7	3.154	1.776	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/13/93-09/30/95	6	4.5	4.067	5.8	0.7	3.159	1.777	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/13/93-09/30/95	6	2.	2.1	3.	0.6	0.78	0.883	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/13/93-09/30/95	6	393.	358.	476.	90.	19697.6	140.348	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/13/93-04/20/95	4	249.	253.	313.	201.	2352.667	48.504	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0367

Parameter				Total	Exceed	Prop.	8/01-10/31			11/01-3/31			4/01-7/31			n/a		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403	PH, LAB	Fresh Chronic	9.	6	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	6	6	1.00	3	3	1.00	1	1	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00	2	2	1.00	1	1	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	2	0.33	3	1	0.33	1	0	0.00	2	1	0.50			

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

Station Inventory for Station: ALPO0368

NPS Station ID: ALPO0368
LAT/LON: 40.340753/ -78.976059
Agency: 11NPSWRD
Date Created: 10/17/98
Location: GRAY RUN GR-54
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_GR-54
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT GRAY RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0368

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/15/94-04/12/95	2	11.95	11.95	12.2	11.7	0.125	0.354	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	11/15/94-04/12/95	2	8.	8.	12.	4.	32.	5.657	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/15/94-04/12/95	2	1250.	1250.	1400.	1100.	45000.	212.132	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/15/94-04/12/95	2	1254.	1254.	1355.	1153.	20402.	142.836	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/15/94-04/12/95	2	3.65	3.65	3.7	3.6	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/15/94-04/12/95	2	3.647	3.647	3.7	3.6	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/15/94-04/12/95	2	225.357	225.357	251.189	199.526	1334.502	36.531	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/15/94-04/12/95	2	3.65	3.65	3.8	3.5	0.045	0.212	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/15/94-04/12/95	2	3.625	3.625	3.8	3.5	0.046	0.215	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/15/94-04/12/95	2	237.359	237.359	316.228	158.489	12440.709	111.538	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/15/94-04/12/95	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/15/94-04/12/95	2	187.5	187.5	230.	145.	3612.5	60.104	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/15/94-04/12/95	2	810.	810.	965.	655.	48050.	219.203	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/15/94-04/12/95	2	0.7	0.7	0.8	0.6	0.02	0.141	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	11/15/94-04/12/95	2	0.7	0.7	0.8	0.6	0.02	0.141	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/15/94-04/12/95	2	22.2	22.2	25.	19.4	15.68	3.96	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/15/94-04/12/95	2	21.35	21.35	23.4	19.3	8.405	2.899	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/15/94-04/12/95	2	18.	18.	20.	16.	8.	2.828	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/15/94-04/12/95	2	1187.	1187.	1374.	1000.	69938.	264.458	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	11/15/94-04/12/95	2	841.	841.	938.	744.	18818.	137.179	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0368

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00				1	1	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	2	1.00				1	1	1.00	1	1	1.00			

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

Station Inventory for Station: ALPO0369

NPS Station ID: ALPO0369
LAT/LON: 40.341477/ -78.976392
Agency: 11NPSWRD
Date Created: 10/17/98
Location: GRAY RUN GR-52
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_GR-52
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE GRAY RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0369

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/94-01/24/96	4	10.95	10.975	11.9	10.1	0.543	0.737	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	02/05/94-01/24/96	4	8.	8.75	15.	4.	26.917	5.188	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/05/94-01/24/96	4	1325.	1312.5	1500.	1100.	45025.	212.191	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/05/94-01/24/96	5	1590.	1496.6	1671.	1308.	28845.8	169.841	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/05/94-04/12/95	2	6.9	6.9	7.	6.8	0.02	0.141	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	02/05/94-01/24/96	5	3.4	3.44	3.6	3.3	0.013	0.114	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/05/94-01/24/96	5	3.4	3.428	3.6	3.3	0.013	0.115	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/05/94-01/24/96	5	398.107	372.964	501.187	251.189	8938.448	94.543	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	02/05/94-01/24/96	4	3.2	3.2	3.6	2.8	0.107	0.327	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/05/94-01/24/96	4	3.2	3.111	3.6	2.8	0.117	0.342	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/05/94-01/24/96	4	630.957	774.499	1584.893	251.189	323933.63	569.152	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/05/94-01/24/96	5	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/05/94-01/24/96	5	254.	240.	314.	180.	2866.	53.535	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/05/94-01/24/96	5	1202.	1233.	1522.	1050.	38711.	196.751	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	02/05/94-01/24/96	5	0.6	0.58	0.8	0.3	0.032	0.179	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	02/05/94-01/24/96	5	0.6	0.56	0.7	0.3	0.023	0.152	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	02/05/94-01/24/96	5	28.1	27.56	31.1	22.6	9.858	3.14	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/05/94-01/24/96	5	27.4	26.66	28.9	22.	7.253	2.693	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	02/05/94-01/24/96	5	28.	26.	30.	18.	23.5	4.848	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	02/05/94-01/24/96	5	1264.	1306.6	1848.	1067.	100806.8	317.501	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	02/05/94-01/24/96	4	887.5	878.5	1005.	734.	20488.333	143.137	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0369

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00				1	0	0.00	1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	5	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00	1	1	1.00	3	3	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00				3	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00				3	3	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	5	1.00	1	1	1.00	3	3	1.00	1	1	1.00			

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

Station Inventory for Station: ALPO0370

NPS Station ID: ALPO0370
LAT/LON: 40.342198/ -78.976866
Agency: 11NPSWRD
Date Created: 10/17/98
Location: GRAY RUN GR-51
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_GR-51
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE GRAY RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0370

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/94-01/24/96	4	9.95	14.675	29.4	9.4	96.569	9.827	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	02/05/94-01/24/96	4	4.	5.25	11.	2.	16.25	4.031	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/05/94-01/24/96	3	1300.	1308.667	1520.	1106.	42905.333	207.136	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/05/94-01/24/96	4	1806.	1814.25	2043.	1602.	40136.917	200.342	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/05/94-08/29/95	3	7.4	6.233	10.2	1.1	21.723	4.661	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	02/05/94-01/24/96	4	3.1	3.15	3.3	3.1	0.01	0.1	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/05/94-01/24/96	4	3.1	3.142	3.3	3.1	0.01	0.1	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/05/94-01/24/96	4	794.328	721.043	794.328	501.187	21482.912	146.571	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	02/05/94-01/24/96	4	3.1	3.1	3.3	2.9	0.033	0.183	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/05/94-01/24/96	4	3.089	3.072	3.3	2.9	0.034	0.185	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/05/94-01/24/96	4	815.479	847.767	1258.925	501.187	119783.362	346.097	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/05/94-01/24/96	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/05/94-01/24/96	4	320.	260.5	402.	0.	31654.333	177.917	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/05/94-01/24/96	4	1450.	1425.	1557.	1243.	22666.	150.552	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	02/05/94-01/24/96	4	1.5	1.75	3.	1.	0.917	0.957	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	02/05/94-01/24/96	4	1.5	1.5	2.	1.	0.333	0.577	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	02/05/94-01/24/96	4	30.95	31.95	37.2	28.7	15.19	3.897	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/05/94-01/24/96	4	30.55	31.225	36.8	27.	17.656	4.202	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	02/05/94-01/24/96	4	30.5	30.75	36.	26.	20.917	4.573	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	02/05/94-01/24/96	4	1563.	1827.25	2718.	1465.	357418.25	597.845	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	02/05/94-01/24/96	3	867.	875.333	1018.	741.	19234.333	138.688	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0370

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	1	0.33	1	1	1.00	1	0	0.00	1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00	2	2	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00	2	2	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00	1	1	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: ALPO0371

NPS Station ID: ALPO0371
LAT/LON: 40.341226/ -78.977476
Agency: 11NPSWRD
Date Created: 10/17/98
Location: GRAY RUN GR-53
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_GR-53
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE GRAY RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0371

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/15/94-11/15/94	1	11.9	11.9	11.9	11.9	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	11/15/94-11/15/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/15/94-11/15/94	1	2000.	2000.	2000.	2000.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/15/94-11/15/94	1	2058.	2058.	2058.	2058.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/15/94-11/15/94	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/15/94-11/15/94	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/15/94-11/15/94	1	794.328	794.328	794.328	794.328	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/15/94-11/15/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/15/94-11/15/94	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/15/94-11/15/94	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/15/94-11/15/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	11/15/94-11/15/94	1	420.	420.	420.	420.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/15/94-11/15/94	1	1835.	1835.	1835.	1835.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/15/94-11/15/94	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	11/15/94-11/15/94	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/15/94-11/15/94	1	29.9	29.9	29.9	29.9	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/15/94-11/15/94	1	29.9	29.9	29.9	29.9	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/15/94-11/15/94	1	35.	35.	35.	35.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/15/94-11/15/94	1	2170.	2170.	2170.	2170.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	11/15/94-11/15/94	1	1300.	1300.	1300.	1300.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0371

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ALPO0372

NPS Station ID: ALPO0372
LAT/LON: 40.341809/ -78.977643
Agency: 11NPSWRD
Date Created: 10/17/98
Location: GRAY RUN GR-50
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_GR-50
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE GRAY RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0372

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/94-01/24/96	6	10.95	14.133	29.4	7.8	66.351	8.146	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	02/05/94-01/24/96	6	2.	2.667	5.	1.	3.467	1.862	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/05/94-01/24/96	5	1500.	1569.	1900.	1120.	100005.	316.236	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/05/94-01/24/96	6	1926.	1828.	2056.	1486.	61737.6	248.471	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/05/94-08/29/95	3	7.4	5.667	8.8	0.8	18.253	4.272	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	02/05/94-01/24/96	6	3.15	3.167	3.3	3.1	0.007	0.082	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/05/94-01/24/96	6	3.147	3.161	3.3	3.1	0.007	0.082	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/05/94-01/24/96	6	712.643	691.014	794.328	501.187	15053.86	122.694	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	02/05/94-01/24/96	6	3.1	3.05	3.4	2.4	0.127	0.356	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/05/94-01/24/96	6	3.089	2.902	3.4	2.4	0.153	0.391	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/05/94-01/24/96	6	815.479	1251.887	3981.072	398.107	1850677.41	1360.396	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/05/94-01/24/96	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/05/94-01/24/96	6	308.	329.333	424.	236.	4889.067	69.922	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/05/94-01/24/96	6	1468.	1484.5	1869.	1182.	75021.9	273.901	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	02/05/94-01/24/96	6	2.	1.533	2.	0.2	0.587	0.766	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	02/05/94-01/24/96	6	1.5	1.35	2.	0.1	0.615	0.784	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	02/05/94-01/24/96	6	30.45	32.333	40.8	26.8	36.367	6.03	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/05/94-01/24/96	6	30.	31.083	38.4	25.7	28.79	5.366	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	02/05/94-01/24/96	6	29.5	30.833	38.	23.	33.367	5.776	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	02/05/94-01/24/96	6	1504.	1778.	2644.	1336.	328616.	573.25	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	02/05/94-01/24/96	5	1000.	1045.6	1250.	750.	42590.8	206.375	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0372

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	1	0.33	1	1	1.00	1	0	0.00	1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	6	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	6	6	1.00	2	2	1.00	3	3	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	6	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	6	6	1.00	2	2	1.00	3	3	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	6	1.00	2	2	1.00	3	3	1.00	1	1	1.00			

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

Station Inventory for Station: ALPO0373

NPS Station ID: ALPO0373
LAT/LON: 40.340503/ -78.977782
Agency: 11NPSWRD
Date Created: 10/17/98
Location: GRAY RUN GR-32
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_GR-32
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE GRAY RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0373

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/94-08/29/95	3	8.4	10.6	16.2	7.2	23.88	4.887	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	02/05/94-08/29/95	3	5.	4.	5.	2.	3.	1.732	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/05/94-11/16/94	2	68.5	68.5	77.	60.	144.5	12.021	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/05/94-08/29/95	3	54.	54.333	59.	50.	20.333	4.509	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/05/94-08/29/95	2 ##	1.8	1.8	3.6	0.	6.48	2.546	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	02/05/94-08/29/95	3	6.3	6.233	6.4	6.	0.043	0.208	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/05/94-08/29/95	3	6.3	6.199	6.4	6.	0.045	0.212	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/05/94-08/29/95	3	0.501	0.633	1.	0.398	0.104	0.322	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	02/05/94-08/29/95	3	6.2	6.133	6.6	5.6	0.253	0.503	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/05/94-08/29/95	3	6.2	5.946	6.6	5.6	0.306	0.553	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/05/94-08/29/95	3	0.631	1.131	2.512	0.251	1.465	1.211	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/05/94-08/29/95	3	15.	13.333	15.	10.	8.333	2.887	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/05/94-08/29/95	3	8.	8.333	12.	5.	12.333	3.512	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/05/94-08/29/95	3	7.	7.333	13.	2.	30.333	5.508	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	02/05/94-08/29/95	3	20.	30.667	59.	13.	614.333	24.786	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	02/05/94-08/29/95	3	0.6	2.267	6.	0.2	10.493	3.239	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	02/05/94-08/29/95	3	2.9	4.967	11.4	0.6	32.363	5.689	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/05/94-08/29/95	3	0.5	0.6	0.8	0.5	0.03	0.173	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	02/05/94-08/29/95	3	1.	1.633	3.	0.9	1.403	1.185	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	02/05/94-08/29/95	3	46.	55.333	80.	40.	465.333	21.572	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	02/05/94-11/16/94	2	46.	46.	52.	40.	72.	8.485	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0373

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1 &	1	1.00	1	1	1.00									
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00	2	2	1.00						
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	2	0.67	1	1	1.00	2	1	0.50						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						

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

Station Inventory for Station: ALPO0374

NPS Station ID: ALPO0374
LAT/LON: 40.338004/ -78.978338
Agency: 11NPSWRD
Date Created: 10/17/98
Location: GRAY RUN GR-09
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_GR-09
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT GRAY RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0374

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/93-12/21/94	3	10.	11.367	18.1	6.	38.003	6.165	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/15/93-10/01/95	4	1040.5	982.	1687.	160.	417378.	646.048	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/15/93-12/21/94	3	30.	30.	30.	30.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/15/93-10/01/95	4	41.	41.	46.	36.	22.667	4.761	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/15/93-10/01/95	4	5.75	5.725	6.2	5.2	0.169	0.411	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/15/93-10/01/95	4	5.747	5.58	6.2	5.2	0.197	0.444	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/93-10/01/95	4	1.79	2.63	6.31	0.631	6.344	2.519	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/15/93-10/01/95	4	6.2	6.075	6.9	5.	0.629	0.793	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/15/93-10/01/95	4	6.189	5.544	6.9	5.	1.005	1.002	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/93-10/01/95	4	0.648	2.855	10.	0.126	22.762	4.771	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/15/93-10/01/95	4	3.5	3.75	5.	3.	0.917	0.957	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/15/93-10/01/95	4	6.	5.5	10.	0.	23.	4.796	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/15/93-10/01/95	4	10.5	10.25	12.	8.	4.25	2.062	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/15/93-10/01/95	3	0.05	0.093	0.2	0.03	0.009	0.093	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/15/93-10/01/95	3	0.05	0.087	0.2	0.01	0.01	0.1	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/15/93-10/01/95	3	0.03	0.047	0.1	0.01	0.002	0.047	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/15/93-10/01/95	3	0.03	0.047	0.1	0.01	0.002	0.047	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/15/93-10/01/95	3	0.1	0.133	0.2	0.1	0.003	0.058	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/15/93-10/01/95	4	46.	45.5	56.	34.	105.	10.247	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/15/93-12/21/94	3	20.	20.	20.	20.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0374

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	2	2	1.00	1	1	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	3	0.75	2	2	1.00	1	0	0.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			

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

Station Inventory for Station: ALPO0375

NPS Station ID: ALPO0375
LAT/LON: 40.340031/ -78.978393
Agency: 11NPSWRD
Date Created: 10/17/98
Location: GRAY RUN GR-48
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_GR-48
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE GRAY RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0375

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/94-01/24/96	6	9.45	10.917	18.2	5.2	26.778	5.175	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	02/05/94-01/24/96	6	4.5	5.833	11.	1.	14.967	3.869	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/05/94-01/24/96	5	140.	128.6	200.	30.	4119.8	64.186	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/05/94-01/24/96	6	157.	144.333	189.	91.	1901.867	43.61	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/05/94-08/29/95	4	6.3	6.4	11.4	1.6	20.88	4.569	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	02/05/94-01/24/96	6	4.55	4.85	6.	4.4	0.379	0.616	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/05/94-01/24/96	6	4.547	4.641	6.	4.4	0.431	0.657	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/05/94-01/24/96	6	28.371	22.853	39.811	1.	229.274	15.142	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	02/05/94-01/24/96	6	5.25	5.217	6.	4.5	0.518	0.719	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/05/94-01/24/96	6	4.968	4.837	6.	4.5	0.691	0.831	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/05/94-01/24/96	6	10.769	14.561	31.623	1.	226.387	15.046	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/05/94-01/24/96	6	0.5	3.667	16.	0.	40.267	6.346	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/05/94-01/24/96	6	19.5	39.833	160.	0.	3536.967	59.472	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/05/94-01/24/96	6	64.5	56.	84.	12.	838.	28.948	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	02/05/94-01/24/96	6	0.395	23.642	100.	0.02	1665.586	40.812	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	02/05/94-01/24/96	6	0.07	1.872	9.	0.04	12.799	3.578	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	02/05/94-01/24/96	6	0.7	0.75	1.	0.6	0.019	0.138	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/05/94-01/24/96	6	0.7	0.667	0.7	0.6	0.003	0.052	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	02/05/94-01/24/96	6	0.7	5.233	28.	0.4	124.435	11.155	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	02/05/94-01/24/96	6	157.	347.	1406.	34.	272154.8	521.685	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	02/05/94-01/24/96	5	93.	86.	134.	20.	1845.5	42.959	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0375

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	2	0.50	2	2	1.00	2	0	0.00						
00403	PH, LAB	Fresh Chronic	9.	6	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	6	6	1.00	2	2	1.00	3	3	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	6	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	6	6	1.00	2	2	1.00	3	3	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00			

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

Station Inventory for Station: ALPO0376

NPS Station ID: ALPO0376
LAT/LON: 40.339531/ -78.978837
Agency: 11NPSWRD
Date Created: 10/17/98
Location: GRAY RUN GR-49
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /NONAMB/STREAM/MINE
STORET Station ID(s): JOFL_LC_GR-49
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT A MINE DISCHARGING POINT ALONG THE GRAY RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0376

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/05/94-01/24/96	5	8.9	10.38	20.3	6.	34.317	5.858	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	02/05/94-01/24/96	5	5.	13.2	53.	1.	498.2	22.32	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/05/94-01/24/96	5	80.	90.2	120.	65.	775.2	27.842	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/05/94-01/24/96	5	105.	94.8	106.	53.	546.7	23.382	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/05/94-02/05/94	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	02/05/94-01/24/96	5	4.8	5.1	6.4	4.7	0.535	0.731	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/05/94-01/24/96	5	4.8	4.862	6.4	4.7	0.606	0.778	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/05/94-01/24/96	5	15.849	13.748	19.953	0.398	65.243	8.077	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	02/05/94-01/24/96	5	5.	5.08	5.8	4.6	0.197	0.444	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/05/94-01/24/96	5	5.	4.941	5.8	4.6	0.221	0.47	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/05/94-01/24/96	5	10.	11.447	25.119	1.585	74.964	8.658	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/05/94-01/24/96	5	2.	5.	13.	1.	25.5	5.05	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/05/94-01/24/96	5	16.	28.6	96.	0.	1466.8	38.299	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/05/94-01/24/96	5	43.	35.8	44.	13.	172.7	13.142	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	02/05/94-01/24/96	5	3.	3.226	8.	0.04	11.494	3.39	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	02/05/94-01/24/96	5	0.1	0.352	1.	0.02	0.188	0.434	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	02/05/94-01/24/96	5	0.2	0.24	0.4	0.1	0.013	0.114	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/05/94-01/24/96	5	0.2	0.24	0.4	0.1	0.013	0.114	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	02/05/94-01/24/96	5	3.	2.58	5.	0.2	4.312	2.077	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	02/05/94-01/24/96	5	96.	89.9	122.	35.5	1137.55	33.728	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	02/05/94-01/24/96	5	53.	60.2	80.	44.	340.2	18.445	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0376

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00403	PH, LAB	Fresh Chronic	9.	5	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00	1	1	1.00	3	3	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00	1	1	1.00	3	3	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00			

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

Station Inventory for Station: ALPO0377

NPS Station ID: ALPO0377
LAT/LON: 40.339170/ -78.980560
Agency: 11NPSWRD
Date Created: 10/17/98
Location: GRAY RUN GR-12
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_GR-12
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT GRAY RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0377

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/93-01/25/96	5	10.	9.62	18.1	3.9	29.527	5.434	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/15/93-01/25/96	6	1381.	1510.5	3601.	100.	1391062.3	1179.433	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/15/93-01/25/96	5	29.	30.6	38.	24.	29.8	5.459	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/15/93-01/25/96	6	39.	38.5	41.	36.	3.1	1.761	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/15/93-01/25/96	6	5.85	5.817	6.2	5.3	0.142	0.376	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/15/93-01/25/96	6	5.825	5.684	6.2	5.3	0.163	0.404	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/93-01/25/96	6	1.498	2.072	5.012	0.631	3.028	1.74	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/15/93-01/25/96	6	5.95	5.85	7.1	4.6	0.803	0.896	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/15/93-01/25/96	6	5.947	5.224	7.1	4.6	1.273	1.128	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/93-01/25/96	6	1.129	5.966	25.119	0.079	96.643	9.831	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/15/93-01/25/96	6	4.	6.333	20.	3.	45.067	6.713	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/15/93-01/25/96	6	6.5	6.5	16.	0.	31.9	5.648	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/15/93-01/25/96	6	9.	9.167	11.	8.	1.367	1.169	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/15/93-01/25/96	6	0.045	0.075	0.2	0.03	0.005	0.067	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/15/93-01/25/96	6	0.015	0.035	0.1	0.01	0.001	0.037	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/15/93-01/25/96	6	0.035	0.045	0.09	0.02	0.001	0.029	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/15/93-01/25/96	6	0.035	0.058	0.2	0.01	0.005	0.072	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/15/93-01/25/96	6	0.15	0.167	0.3	0.1	0.007	0.082	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/15/93-01/25/96	6	62.	59.333	82.	36.	389.867	19.745	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/15/93-01/25/96	5	19.	22.6	36.	16.	62.3	7.893	**	**	**	**

** - 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: ALPO0377

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	6	6	1.00	2	2	1.00	2	2	1.00	2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	6	5	0.83	2	2	1.00	2	1	0.50	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	2	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: ALPO0378

NPS Station ID: ALPO0378
LAT/LON: 40.338560/ -78.981948
Agency: 11NPSWRD
Date Created: 10/17/98
Location: GRAY RUN GR-14
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_GR-14
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT GRAY RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0378

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/92-12/20/94	4	11.75	11.15	15.6	5.5	17.617	4.197	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/28/92-12/20/94	4	13.	26.25	78.	1.	1228.25	35.046	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/92-12/20/94	4	75.5	80.25	120.	50.	906.917	30.115	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/92-12/20/94	4	96.5	99.25	138.	66.	1034.25	32.16	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/28/92-07/28/92	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/28/92-12/20/94	4	4.5	4.5	4.6	4.4	0.007	0.082	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/28/92-12/20/94	4	4.5	4.494	4.6	4.4	0.007	0.082	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/92-12/20/94	4	31.623	32.044	39.811	25.119	36.211	6.018	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/28/92-12/20/94	4	4.6	4.8	6.	4.	0.747	0.864	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/28/92-12/20/94	4	4.555	4.407	6.	4.	0.952	0.976	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/92-12/20/94	4	27.83	39.165	100.	1.	1900.507	43.595	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/92-12/20/94	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/28/92-12/20/94	4	15.5	14.75	19.	9.	17.583	4.193	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/92-12/20/94	4	35.5	37.25	56.	22.	224.917	14.997	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/92-12/20/94	4	0.3	0.375	0.8	0.1	0.089	0.299	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/92-12/20/94	4	0.1	0.12	0.2	0.08	0.003	0.054	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/92-12/20/94	4	0.7	0.7	1.	0.4	0.067	0.258	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/92-12/20/94	4	0.65	0.65	0.9	0.4	0.043	0.208	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/92-12/20/94	4	1.	0.95	1.	0.8	0.01	0.1	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/28/92-12/20/94	4	75.	75.	98.	52.	502.667	22.42	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/28/92-12/20/94	4	50.5	53.75	80.	34.	394.917	19.873	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0378

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	2	2	1.00	1	1	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	2	2	1.00	1	1	1.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			

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

Station Inventory for Station: ALPO0379

NPS Station ID: ALPO0379
LAT/LON: 40.338892/ -78.984449
Agency: 11NPSWRD
Date Created: 10/17/98
Location: GRAY RUN GR-13
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_GR-13
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT GRAY RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0379

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/30/92-12/20/94	4	10.8	11.075	17.4	5.3	24.669	4.967	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	09/30/92-12/20/94	4	24.	25.25	43.	10.	184.25	13.574	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/30/92-12/20/94	4	50.5	51.5	60.	45.	39.	6.245	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/30/92-12/20/94	4	69.	68.75	75.	62.	44.917	6.702	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/30/92-12/20/94	4	4.45	4.45	4.5	4.4	0.003	0.058	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/30/92-12/20/94	4	4.447	4.447	4.5	4.4	0.003	0.058	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/30/92-12/20/94	4	35.717	35.717	39.811	31.623	22.347	4.727	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/30/92-12/20/94	4	4.75	5.2	6.9	4.4	1.313	1.146	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/30/92-12/20/94	4	4.747	4.723	6.9	4.4	1.617	1.272	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/30/92-12/20/94	4	17.901	18.935	39.811	0.126	266.712	16.331	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/30/92-12/20/94	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	09/30/92-12/20/94	4	16.	14.75	18.	9.	16.25	4.031	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/30/92-12/20/94	4	23.5	23.	27.	18.	15.333	3.916	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/30/92-12/20/94	4	0.25	0.25	0.4	0.1	0.017	0.129	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/30/92-12/20/94	4	0.08	0.073	0.1	0.03	0.001	0.034	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/30/92-12/20/94	4	0.45	0.5	0.8	0.3	0.047	0.216	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/30/92-12/20/94	4	0.45	0.5	0.8	0.3	0.047	0.216	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	09/30/92-12/20/94	4	0.9	0.875	1.	0.7	0.016	0.126	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	09/30/92-12/20/94	4	60.	60.5	70.	52.	65.	8.062	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	09/30/92-12/20/94	4	34.	34.5	40.	30.	17.	4.123	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0379

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	2	2	1.00	1	1	1.00	1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	3	0.75	2	2	1.00	1	0	0.00	1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			

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

Station Inventory for Station: ALPO0380

NPS Station ID: ALPO0380
LAT/LON: 40.337865/ -78.991281
Agency: 11NPSWRD
Date Created: 10/17/98
Location: GRAY RUN GR-38
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_GR-38
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT GRAY RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0380

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/93-07/15/93	1	19.4	19.4	19.4	19.4	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/15/93-07/15/93	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/15/93-07/15/93	1	285.	285.	285.	285.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/15/93-07/15/93	1	339.	339.	339.	339.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/15/93-07/15/93	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/15/93-07/15/93	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/93-07/15/93	1	25.119	25.119	25.119	25.119	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/15/93-07/15/93	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/15/93-07/15/93	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/93-07/15/93	1	3.162	3.162	3.162	3.162	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/15/93-07/15/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/15/93-07/15/93	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/15/93-07/15/93	1	206.	206.	206.	206.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/15/93-07/15/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/15/93-07/15/93	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/15/93-07/15/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/15/93-07/15/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/15/93-07/15/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/15/93-07/15/93	1	332.	332.	332.	332.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/15/93-07/15/93	1	191.	191.	191.	191.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0380

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ALPO0381

NPS Station ID: ALPO0381
LAT/LON: 40.338448/ -78.992366
Agency: 11NPSWRD
Date Created: 10/17/98
Location: GRAY RUN GR-39
FIPS State/County: 42021 PENNSYLVANIA/CAMBRIA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): JOFL_LC_GR-39
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05010007
Depth of Water: 0
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: ALLEGHENY RIVER
ECO Region:
RF1 Index: 05010007
RF1 Mile Point: 0.000
Distance from RF1: 18.20
On/Off RF1:
RF3 Index: 02050303019600.00
RF3 Mile Point: 1.33
Distance from RF3: 0.38
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JOHNSTOWN PENNSYLVANIA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS LOCATED OUTSIDE THE JOHNSTOWN FLOOD NATIONAL MEMORIAL AND THE ALLEGHENY PORTAGE RAILROAD NATIONAL HISTORIC SITE BOUNDARIES. THE SITE WAS SAMPLED AT GRAY RUN. THE LOCATION WAS SAMPLED AS PART OF A STUDY DESCRIBED IN THE "REPORT ON THE WATER QUALITY AND ACID MINE DRAINAGE IN THE LITTLE CONEMAUGH RIVER WATERSHED CAMBRIA COUNTY; PENNSYLVANIA." THE REPORT WAS WRITTEN BY WILLIAM BARBIN GLEASON IN JUNE 1995. FUNDING WAS PROVIDED BY THE PENNSYLVANIA CLEAN WATER FUND WITH ASSISTANCE OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION; BUREAU OF LAND AND WATER CONSERVATION AND BUREAU OF MINING AND RECLAMATION. DATA WERE PROCESSED AND UPLOADED TO STORET BY CURTIS COOPER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS COLORADO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ALPO0381

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/93-07/15/93	1	20.6	20.6	20.6	20.6	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/15/93-07/15/93	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/15/93-07/15/93	1	264.	264.	264.	264.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/15/93-07/15/93	1	309.	309.	309.	309.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/15/93-07/15/93	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/15/93-07/15/93	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/93-07/15/93	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/15/93-07/15/93	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/15/93-07/15/93	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/93-07/15/93	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/15/93-07/15/93	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/15/93-07/15/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/15/93-07/15/93	1	105.	105.	105.	105.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/15/93-07/15/93	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/15/93-07/15/93	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/15/93-07/15/93	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/15/93-07/15/93	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/15/93-07/15/93	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	07/15/93-07/15/93	1	222.	222.	222.	222.	0.	0.	**	**	**	**
70304	SOLIDS, TOTAL DISSOLVED-COND. METER (MG/L)	07/15/93-07/15/93	1	177.	177.	177.	177.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ALPO0381

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			

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

EPA Water Quality Criteria Analysis for Entire ALPO/JOFL Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	159	19	0.12	48	6	0.13	67	9	0.13	44	4	0.09			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	125	18	0.14	24	0	0.00	65	14	0.22	36	4	0.11			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	248 &	86	0.35	58	24	0.41	61	23	0.38	129	39	0.30			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	372	8	0.02	98	3	0.03	148	3	0.02	126	2	0.02			
00400	PH	Fresh Chronic	9.	478	0	0.00	140	0	0.00	170	0	0.00	168	0	0.00			
		Other-Lo Lim.	6.5	476 &	404	0.85	138	114	0.83	170	150	0.88	168	140	0.83			
00403	PH, LAB	Fresh Chronic	9.	1343	4	0.00	361	3	0.01	398	0	0.00	584	1	0.00			
		Other-Lo Lim.	6.5	1343	1180	0.88	361	305	0.84	398	370	0.93	584	505	0.86			
00406	PH, FIELD	Fresh Chronic	9.	677	2	0.00	161	2	0.01	153	0	0.00	363	0	0.00			
		Other-Lo Lim.	6.5	677	596	0.88	161	145	0.90	153	133	0.87	363	318	0.88			
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	8	6	0.75							8	6	0.75			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	12	0	0.00	3	0	0.00	5	0	0.00	4	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	488	0	0.00	145	0	0.00	179	0	0.00	164	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	10	1	0.10	6	0	0.00	1	0	0.00	3	1	0.33			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	548	1	0.00	159	0	0.00	193	0	0.00	196	1	0.01			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	10	0	0.00				7	0	0.00	3	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	12	0	0.00	3	0	0.00	5	0	0.00	4	0	0.00			
00719	CYANIDE, FREE,IN WATER&WASTEWATERS, HBG	Fresh Acute	22.	119	1	0.01	33	0	0.00	44	1	0.02	42	0	0.00			
		Drinking Water	200.	119	0	0.00	33	0	0.00	44	0	0.00	42	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	273	70	0.26	63	14	0.22	121	32	0.26	89	24	0.27			
		Drinking Water	0.2	273	9	0.03	63	2	0.03	121	4	0.03	89	3	0.03			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	570	0	0.00	177	0	0.00	216	0	0.00	177	0	0.00			
		Drinking Water	250.	570	0	0.00	177	0	0.00	216	0	0.00	177	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	8	0	0.00							8	0	0.00			
		Drinking Water	250.	8	0	0.00							8	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1477	679	0.46	426	246	0.58	426	168	0.39	625	265	0.42			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	8	1	0.13							8	1	0.13			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	34	0	0.00	9	0	0.00	6	0	0.00	19	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	38	0	0.00	9	0	0.00	4	0	0.00	25	0	0.00			
00997	ARSENIC, INORGANIC TOT	Fresh Acute	360.	2	0	0.00							2	0	0.00			
		Drinking Water	50.	2	0	0.00							2	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	109	0	0.00	48	0	0.00	33	0	0.00	28	0	0.00			
		Drinking Water	50.	109	0	0.00	48	0	0.00	33	0	0.00	28	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00							1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	104	0	0.00	36	0	0.00	37	0	0.00	31	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00							1	0	0.00			
		Drinking Water	4.	1	0	0.00							1	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	9	0	0.00				6	0	0.00	3	0	0.00			
		Drinking Water	4.	9	4	0.44				6	3	0.50	3	1	0.33			
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			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	40 &	1	0.03	17	0	0.00	18	1	0.06	5	0	0.00			
		Drinking Water	5.	40 &	1	0.03	17	0	0.00	18	1	0.06	5	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	136	0	0.00	55	0	0.00	48	0	0.00	33	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			
01042	COPPER, TOTAL	Fresh Acute	18.	130 &	33	0.25	49	20	0.41	48	8	0.17	33	5	0.15			
		Drinking Water	1300.	138	0	0.00	55	0	0.00	50	0	0.00	33	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			
01051	LEAD, TOTAL	Fresh Acute	82.	138	1	0.01	55	1	0.02	50	0	0.00	33	0	0.00			
		Drinking Water	15.	129 &	5	0.04	50	4	0.08	48	1	0.02	31	0	0.00			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	6	0	0.00				3	0	0.00	3	0	0.00			
		Drinking Water	2.	2 &	2	1.00							2	2	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			
01067	NICKEL, TOTAL	Fresh Acute	1400.	43	0	0.00	19	0	0.00	19	0	0.00	5	0	0.00			
		Drinking Water	100.	43	24	0.56	19	18	0.95	19	5	0.26	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

EPA Water Quality Criteria Analysis for Entire ALPO/JOFL Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/01-10/31 Obs	8/01-10/31 Exceed	8/01-10/31 Prop.	11/01-3/31 Obs	11/01-3/31 Exceed	11/01-3/31 Prop.	4/01-7/31 Obs	4/01-7/31 Exceed	4/01-7/31 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01075	SILVER, DISSOLVED	Fresh Acute	4.1	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	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			
01092	ZINC, TOTAL	Fresh Acute	120.	171	78	0.46	61	28	0.46	50	23	0.46	60	27	0.45			
		Drinking Water	5000.	171	0	0.00	61	0	0.00	50	0	0.00	60	0	0.00			
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	1	0	0.00							1	0	0.00			
		Drinking Water	6.	1	0	0.00							1	0	0.00			
01097	ANTIMONY, TOTAL	Fresh Acute	88.	6	0	0.00				3	0	0.00	3	0	0.00			
		Drinking Water	6.	6	3	0.50				3	0	0.00	3	3	1.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00				1	0	0.00						
		Drinking Water	50.	1	0	0.00				1	0	0.00						
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	2	0	0.00							2	0	0.00			
31507	COLIFORM, TOTAL, MPN	Other-Hi Lim.	1000.	65	10	0.15	18	2	0.11	27	6	0.22	20	2	0.10			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	501	74	0.15	133	9	0.07	218	39	0.18	150	26	0.17			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	2	0	0.00	1	0	0.00				1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	26	1	0.04	10	0	0.00	2	0	0.00	14	1	0.07			
71900	MERCURY, TOTAL	Fresh Acute	2.4	109 &	0	0.00	48	0	0.00	33	0	0.00	28	0	0.00			
		Drinking Water	2.	109 &	0	0.00	48	0	0.00	33	0	0.00	28	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	73	6	0.08	18	0	0.00	14	0	0.00	41	6	0.15			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	278	31	0.11	87	8	0.09	91	13	0.14	100	10	0.10			

& - 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

No STORET Data Within the ALPO Study Area Exist for These Groups:

Chlorophyll*

*Not A Priority Parameter

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Present Level I Groups

STORET Data Within the ALPO Study Area Exist for These Groups:

Alkalinity		Total Obs.	01/01/85 to 06/25/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (UEQ/L)	8	8	0	0	4
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1215	815	269	131	342
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	33	33	0	0	12
00435	ACIDITY, TOTAL (MG/L AS CACO3)	681	595	67	19	299
00440	BICARBONATE ION (MG/L AS HCO3)	27	9	0	18	11
00445	CARBONATE ION (MG/L AS CO3)	11	1	0	10	4
		1975	1461	336	178	672(358)[1]

pH		Total Obs.	01/01/85 to 06/25/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00400	PH (STANDARD UNITS)	478	123	233	122	50
00403	PH, LAB (STANDARD UNITS)	1343	905	250	188	345
00406	PH, FIELD (STANDARD UNITS)	677	677	0	0	277
		2498	1705	483	310	672(354)[1]

Conductivity		Total Obs.	01/01/85 to 06/25/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	684	669	15	0	285
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1080	747	286	47	326
		1764	1416	301	47	611(339)[1]

Dissolved Oxygen		Total Obs.	01/01/85 to 06/25/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	264	250	14	0	107
00300	OXYGEN, DISSOLVED (MG/L)	372	86	187	99	10
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	41	41	0	0	9
		677	377	201	99	126(117)[1]

Water Temperature		Total Obs.	01/01/85 to 06/25/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	1178	798	276	104	327
		1178	798	276	104	327(327)[1]

Flow		Total Obs.	01/01/85 to 06/25/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00058	FLOW RATE, GALLONS/MIN.	564	562	0	2	262
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	27	25	0	2	23
00060	FLOW, STREAM, MEAN DAILY CFS	279	0	92	187	5
00061	FLOW, STREAM, INSTANTANEOUS CFS	351	117	213	21	53
00065	STAGE, STREAM (FEET)	274	82	190	2	3
		1495	786	495	214	346(318)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Clarity/Turbidity		Total Obs.	01/01/85 to 06/25/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00070	TURBIDITY, (JACKSON CANDLE UNITS)	159	0	52	107	7
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	125	0	125	0	5
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	223	3	143	77	6
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	73	73	0	0	9
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	278	225	53	0	20
		858	301	373	184	47 (38)[!]

Nitrate/Nitrogen		Total Obs.	01/01/85 to 06/25/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	12	12	0	0	1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	557	294	232	31	30
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10	0	0	10	4
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	548	294	223	31	25
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	12	12	0	0	1
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	23	12	11	0	4
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10	0	10	0	4
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12	12	0	0	1
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	2	0	0	2	1
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	26	8	0	18	10
		1212	644	476	92	81 (36)[!]

Phosphate/Phosphorus		Total Obs.	01/01/85 to 06/25/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	33	0	0	33	3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	415	159	230	26	15
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	20	20	0	0	5
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	14	12	0	2	2
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	93	87	1	5	13
		575	278	231	66	38 (30)[!]

Sulfates/Total Dissolved Solids/Hardness		Total Obs.	01/01/85 to 06/25/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00900	HARDNESS, TOTAL (MG/L AS CACO3)	625	257	238	130	31
00945	SULFATE, TOTAL (MG/L AS SO4)	1477	949	302	226	349
00946	SULFATE, DISSOLVED (MG/L AS SO4)	8	8	0	0	4
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	84	12	56	16	14
		2194	1226	596	372	398(354)[!]

Bacteria		Total Obs.	01/01/85 to 06/25/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
31507	COLIFORM, TOT, MPN, COMPLETED TEST,35C(TUBE 31508)	65	0	0	65	2
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	1	1	0	0	1
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	501	161	339	1	3
		567	162	339	66	6 (4)[!]

[!]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 06/25/97	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	1	1	0	0	1
01097	ANTIMONY, TOTAL (UG/L AS SB)	6	0	6	0	3
00997	ARSENIC, INORGANIC TOTAL (UG/L AS AS)	2	0	0	2	2
01000	ARSENIC, DISSOLVED (UG/L AS AS)	1	1	0	0	1
01002	ARSENIC, TOTAL (UG/L AS AS)	109	98	11	0	9
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	1	1	0	0	1
01012	BERYLLIUM, TOTAL (UG/L AS BE)	9	0	9	0	3
01025	CADMIUM, DISSOLVED (UG/L AS CD)	1	1	0	0	1
01027	CADMIUM, TOTAL (UG/L AS CD)	136	102	32	2	12
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	1	1	0	0	1
01034	CHROMIUM, TOTAL (UG/L AS CR)	136	102	32	2	12
01040	COPPER, DISSOLVED (UG/L AS CU)	1	1	0	0	1
01042	COPPER, TOTAL (UG/L AS CU)	138	104	32	2	12
01049	LEAD, DISSOLVED (UG/L AS PB)	1	1	0	0	1
01051	LEAD, TOTAL (UG/L AS PB)	138	104	32	2	12
71900	MERCURY, TOTAL (UG/L AS HG)	111	98	11	2	9
01065	NICKEL, DISSOLVED (UG/L AS NI)	1	1	0	0	1
01067	NICKEL, TOTAL (UG/L AS NI)	43	10	31	2	5
01145	SELENIUM, DISSOLVED (UG/L AS SE)	1	1	0	0	1
01147	SELENIUM, TOTAL (UG/L AS SE)	1	0	1	0	1
01075	SILVER, DISSOLVED (UG/L AS AG)	1	1	0	0	1
01077	SILVER, TOTAL (UG/L AS AG)	1	0	1	0	1
01059	THALLIUM, TOTAL (UG/L AS TL)	6	0	6	0	3
01090	ZINC, DISSOLVED (UG/L AS ZN)	1	1	0	0	1
01092	ZINC, TOTAL (UG/L AS ZN)	172	138	32	2	22
00719	CYANIDE, FREE, IN WATER & WASTEWATERS, HBG (UG/L)	119	72	47	0	2
00720	CYANIDE, TOTAL (MG/L AS CN)	274	74	196	4	6
		1412	913	479	20	125 (22)[!]

[!]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	1975	1461	74.0	358	96.5	5.5	10/07/26-06/25/97	27.9
pH	2498	1705	68.3	354	95.4	7.1	03/31/50-06/25/97	52.9
Conductivity	1764	1416	80.3	339	91.4	5.2	04/20/53-06/25/97	39.9
Dissolved Oxygen	677	377	55.7	117	31.5	5.8	06/28/62-05/15/97	19.4
Water Temperature	1178	798	67.7	327	88.1	3.6	10/07/26-05/15/97	16.7
Flow	1495	786	52.6	318	85.7	4.7	03/31/50-05/15/97	31.7
Clarity/Turbidity	858	301	35.1	38	10.2	22.6	06/28/62-06/25/97	24.5
Nitrate/Nitrogen	1212	644	53.1	36	9.7	33.7	10/07/26-05/15/97	17.2
Phosphate/Phosphorus	575	278	48.3	30	8.1	19.2	02/15/67-05/15/97	19.0
Chlorophyll	0	0	0.0	0	0.0	0.0	No Data For Group	0.0
Sulfates/Total Dissolved Solids/Hardness	2194	1226	55.9	354	95.4	6.2	10/07/26-05/15/97	31.1
Bacteria	567	162	28.6	4	1.1	141.8	06/28/62-08/31/93	18.2
Toxic Elements	1412	913	64.7	22	5.9	64.2	11/17/66-05/15/97	46.3

Water Quality Observations
Outside STORET Edit Criteria for ALPO/JOFL

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
ALPO0012	01055	MANGANESE, TOTAL (UG/L AS MN)	800821	1400	5900.0000000	112WRD	01555835	
ALPO0012	01055	MANGANESE, TOTAL (UG/L AS MN)	810813	1225	7600.0000000	112WRD	01555835	
ALPO0012	01056	MANGANESE, DISSOLVED (UG/L AS MN)	800821	1400	6000.0000000	112WRD	01555835	
ALPO0012	01056	MANGANESE, DISSOLVED (UG/L AS MN)	810813	1225	7200.0000000	112WRD	01555835	
ALPO0018	01045	IRON, TOTAL (UG/L AS FE)	910320	1435	58300.0000000	21PA	GWNS11A019	
ALPO0133	00945	SULFATE, TOTAL (MG/L AS SO4)	941103		3264.0000000	11NPSWRD	JOFL_LC_TR-35	
ALPO0146	00435	ACIDITY, TOTAL (MG/L AS CACO3)	931016		5620.0000000	11NPSWRD	JOFL_LC_SR-10	
ALPO0146	00435	ACIDITY, TOTAL (MG/L AS CACO3)	941013		5530.0000000	11NPSWRD	JOFL_LC_SR-10	
ALPO0146	00945	SULFATE, TOTAL (MG/L AS SO4)	930607		4960.0000000	11NPSWRD	JOFL_LC_SR-10	
ALPO0146	00945	SULFATE, TOTAL (MG/L AS SO4)	941013		18806.0000000	11NPSWRD	JOFL_LC_SR-10	
ALPO0180	00435	ACIDITY, TOTAL (MG/L AS CACO3)	930805		2320.0000000	11NPSWRD	JOFL_LC_SC-16	
ALPO0180	00945	SULFATE, TOTAL (MG/L AS SO4)	930805		5540.0000000	11NPSWRD	JOFL_LC_SC-16	
ALPO0182	00435	ACIDITY, TOTAL (MG/L AS CACO3)	940606		3140.0000000	11NPSWRD	JOFL_LC_SC-20	
ALPO0182	00945	SULFATE, TOTAL (MG/L AS SO4)	940606		6590.0000000	11NPSWRD	JOFL_LC_SC-20	
ALPO0183	00435	ACIDITY, TOTAL (MG/L AS CACO3)	940605		2726.0000000	11NPSWRD	JOFL_LC_SC-17	
ALPO0183	00945	SULFATE, TOTAL (MG/L AS SO4)	940605		6330.0000000	11NPSWRD	JOFL_LC_SC-17	
ALPO0185	00435	ACIDITY, TOTAL (MG/L AS CACO3)	930812		2160.0000000	11NPSWRD	JOFL_LC_SC-21	
ALPO0185	00945	SULFATE, TOTAL (MG/L AS SO4)	930812		7990.0000000	11NPSWRD	JOFL_LC_SC-21	
ALPO0189	00435	ACIDITY, TOTAL (MG/L AS CACO3)	930815		1920.0000000	11NPSWRD	JOFL_LC_SC-15	
ALPO0189	00435	ACIDITY, TOTAL (MG/L AS CACO3)	940605		3038.0000000	11NPSWRD	JOFL_LC_SC-15	
ALPO0189	00945	SULFATE, TOTAL (MG/L AS SO4)	930815		5660.0000000	11NPSWRD	JOFL_LC_SC-15	
ALPO0189	00945	SULFATE, TOTAL (MG/L AS SO4)	940605		6730.0000000	11NPSWRD	JOFL_LC_SC-15	
ALPO0193	00435	ACIDITY, TOTAL (MG/L AS CACO3)	930622		2280.0000000	11NPSWRD	JOFL_LC_UT17-07	
ALPO0193	00945	SULFATE, TOTAL (MG/L AS SO4)	930622		4072.0000000	11NPSWRD	JOFL_LC_UT17-07	
ALPO0229	01055	MANGANESE, TOTAL (UG/L AS MN)	860529		9650.0000000	11NPSWRD	JOFL_JC_SITE_4	
ALPO0229	01055	MANGANESE, TOTAL (UG/L AS MN)	860625		9790.0000000	11NPSWRD	JOFL_JC_SITE_4	
ALPO0229	01055	MANGANESE, TOTAL (UG/L AS MN)	860722		7150.0000000	11NPSWRD	JOFL_JC_SITE_4	
ALPO0229	01055	MANGANESE, TOTAL (UG/L AS MN)	860818		9440.0000000	11NPSWRD	JOFL_JC_SITE_4	
ALPO0229	01055	MANGANESE, TOTAL (UG/L AS MN)	860923		9670.0000000	11NPSWRD	JOFL_JC_SITE_4	
ALPO0229	01055	MANGANESE, TOTAL (UG/L AS MN)	861021		6350.0000000	11NPSWRD	JOFL_JC_SITE_4	
ALPO0229	01055	MANGANESE, TOTAL (UG/L AS MN)	870127		10050.0000000	11NPSWRD	JOFL_JC_SITE_4	
ALPO0229	01055	MANGANESE, TOTAL (UG/L AS MN)	870320		7210.0000000	11NPSWRD	JOFL_JC_SITE_4	
ALPO0229	01055	MANGANESE, TOTAL (UG/L AS MN)	870505		10390.0000000	11NPSWRD	JOFL_JC_SITE_4	
ALPO0229	01055	MANGANESE, TOTAL (UG/L AS MN)	870602		10205.5000000	11NPSWRD	JOFL_JC_SITE_4	
ALPO0229	01105	ALUMINUM, TOTAL (UG/L AS AL)	860625		21600.0000000	11NPSWRD	JOFL_JC_SITE_4	
ALPO0229	01105	ALUMINUM, TOTAL (UG/L AS AL)	870127		20500.0000000	11NPSWRD	JOFL_JC_SITE_4	
ALPO0229	01105	ALUMINUM, TOTAL (UG/L AS AL)	870505		22350.0000000	11NPSWRD	JOFL_JC_SITE_4	
ALPO0229	01105	ALUMINUM, TOTAL (UG/L AS AL)	870602		28490.0000000	11NPSWRD	JOFL_JC_SITE_4	
ALPO0238	01045	IRON, TOTAL (UG/L AS FE)	860529		198000.0000000	11NPSWRD	JOFL_JC_SITE_2	
ALPO0238	01045	IRON, TOTAL (UG/L AS FE)	860625		190250.0000000	11NPSWRD	JOFL_JC_SITE_2	
ALPO0238	01045	IRON, TOTAL (UG/L AS FE)	860722		195500.0000000	11NPSWRD	JOFL_JC_SITE_2	

Water Quality Observations
Outside STORET Edit Criteria for ALPO/JOFL

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
ALPO0238	01045	IRON, TOTAL (UG/L AS FE)	860818		177000.0000000	11NPSWRD	JOFL_JC_SITE_2	
ALPO0238	01045	IRON, TOTAL (UG/L AS FE)	860923		120300.0000000	11NPSWRD	JOFL_JC_SITE_2	
ALPO0238	01045	IRON, TOTAL (UG/L AS FE)	861021		234500.0000000	11NPSWRD	JOFL_JC_SITE_2	
ALPO0238	01045	IRON, TOTAL (UG/L AS FE)	870127		176900.0000000	11NPSWRD	JOFL_JC_SITE_2	
ALPO0238	01045	IRON, TOTAL (UG/L AS FE)	870602		192650.0000000	11NPSWRD	JOFL_JC_SITE_2	
ALPO0238	01045	IRON, TOTAL (UG/L AS FE)	870707		60200.0000000	11NPSWRD	JOFL_JC_SITE_2	
ALPO0238	01055	MANGANESE, TOTAL (UG/L AS MN)	860529		6830.0000000	11NPSWRD	JOFL_JC_SITE_2	
ALPO0238	01055	MANGANESE, TOTAL (UG/L AS MN)	860625		7220.0000000	11NPSWRD	JOFL_JC_SITE_2	
ALPO0238	01055	MANGANESE, TOTAL (UG/L AS MN)	860722		6000.0000000	11NPSWRD	JOFL_JC_SITE_2	
ALPO0238	01055	MANGANESE, TOTAL (UG/L AS MN)	860818		10200.0000000	11NPSWRD	JOFL_JC_SITE_2	
ALPO0238	01055	MANGANESE, TOTAL (UG/L AS MN)	860923		6990.0000000	11NPSWRD	JOFL_JC_SITE_2	
ALPO0238	01055	MANGANESE, TOTAL (UG/L AS MN)	861021		7100.0000000	11NPSWRD	JOFL_JC_SITE_2	
ALPO0238	01055	MANGANESE, TOTAL (UG/L AS MN)	861118		5660.0000000	11NPSWRD	JOFL_JC_SITE_2	
ALPO0238	01055	MANGANESE, TOTAL (UG/L AS MN)	870127		5630.0000000	11NPSWRD	JOFL_JC_SITE_2	
ALPO0238	01055	MANGANESE, TOTAL (UG/L AS MN)	870320		5940.0000000	11NPSWRD	JOFL_JC_SITE_2	
ALPO0238	01055	MANGANESE, TOTAL (UG/L AS MN)	870602		6714.5000000	11NPSWRD	JOFL_JC_SITE_2	
ALPO0239	01045	IRON, TOTAL (UG/L AS FE)	930830	1140	163000.0000000	11NPSWRD	JOFL_SS_TLC	
ALPO0239	01055	MANGANESE, TOTAL (UG/L AS MN)	930830	1140	5370.0000000	11NPSWRD	JOFL_SS_TLC	
ALPO0241	00435	ACIDITY, TOTAL (MG/L AS CACO3)	930816		1426.0000000	11NPSWRD	JOFL_LC_TO-05	
ALPO0241	00945	SULFATE, TOTAL (MG/L AS SO4)	930816		3270.0000000	11NPSWRD	JOFL_LC_TO-05	
ALPO0244	00435	ACIDITY, TOTAL (MG/L AS CACO3)	940923		1172.0000000	11NPSWRD	JOFL_LC_TO-08	
ALPO0244	00945	SULFATE, TOTAL (MG/L AS SO4)	940923		5151.0000000	11NPSWRD	JOFL_LC_TO-08	
ALPO0254	01045	IRON, TOTAL (UG/L AS FE)	860529		93100.0000000	11NPSWRD	JOFL_JC_SITE_1	
ALPO0254	01045	IRON, TOTAL (UG/L AS FE)	860625		64750.0000000	11NPSWRD	JOFL_JC_SITE_1	
ALPO0254	01045	IRON, TOTAL (UG/L AS FE)	861021		60430.0000000	11NPSWRD	JOFL_JC_SITE_1	
ALPO0254	01055	MANGANESE, TOTAL (UG/L AS MN)	860923		5250.0000000	11NPSWRD	JOFL_JC_SITE_1	
ALPO0257	00435	ACIDITY, TOTAL (MG/L AS CACO3)	940726		1010.0000000	11NPSWRD	JOFL_LC_LCR-66	
ALPO0257	00435	ACIDITY, TOTAL (MG/L AS CACO3)	940815		1010.0000000	11NPSWRD	JOFL_LC_LCR-66	
ALPO0257	00435	ACIDITY, TOTAL (MG/L AS CACO3)	950518		2268.0000000	11NPSWRD	JOFL_LC_LCR-66	
ALPO0257	00945	SULFATE, TOTAL (MG/L AS SO4)	940927		3506.0000000	11NPSWRD	JOFL_LC_LCR-66	
ALPO0257	00945	SULFATE, TOTAL (MG/L AS SO4)	950518		4682.0000000	11NPSWRD	JOFL_LC_LCR-66	
ALPO0278	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	930712	1630	2940.0000000	112WRD	401507078500101	
ALPO0278	00945	SULFATE, TOTAL (MG/L AS SO4)	930712	1630	6218.0000000	112WRD	401507078500101	
ALPO0278	01045	IRON, TOTAL (UG/L AS FE)	930712	1630	1300000.0000000	112WRD	401507078500101	
ALPO0278	01055	MANGANESE, TOTAL (UG/L AS MN)	930712	1630	10300.0000000	112WRD	401507078500101	
ALPO0278	01105	ALUMINUM, TOTAL (UG/L AS AL)	930712	1630	103000.0000000	112WRD	401507078500101	
ALPO0278	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	930712	1630	99100.0000000	112WRD	401507078500101	
ALPO0282	01045	IRON, TOTAL (UG/L AS FE)	810330	1445	89000.0000000	112WRD	03039920	
ALPO0282	01045	IRON, TOTAL (UG/L AS FE)	810814	1345	78000.0000000	112WRD	03039920	
ALPO0285	00945	SULFATE, TOTAL (MG/L AS SO4)	931016		2875.0000000	11NPSWRD	JOFL_LC_CL-18	
ALPO0288	00945	SULFATE, TOTAL (MG/L AS SO4)	941108		2601.0000000	11NPSWRD	JOFL_LC_LCR-90	

Water Quality Observations
Outside STORET Edit Criteria for ALPO/JOFL

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NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
ALPO0292	00945	SULFATE, TOTAL (MG/L AS SO4)	941108		2943.0000000	11NPSWRD	JOFL_LC_LCR-93	
ALPO0294	00945	SULFATE, TOTAL (MG/L AS SO4)	941108		2713.0000000	11NPSWRD	JOFL_LC_LCR-92	
ALPO0295	00945	SULFATE, TOTAL (MG/L AS SO4)	941108		2815.0000000	11NPSWRD	JOFL_LC_LCR-94	
ALPO0300	00945	SULFATE, TOTAL (MG/L AS SO4)	941108		3289.0000000	11NPSWRD	JOFL_LC_LCR-97	
ALPO0311	01045	IRON, TOTAL (UG/L AS FE)	930715	0850	117000.0000000	112WRD	401444078513201	
ALPO0311	01045	IRON, TOTAL (UG/L AS FE)	940419	1210	155000.0000000	112WRD	401444078513201	
ALPO0311	01046	IRON, DISSOLVED (UG/L AS FE)	930715	0850	117000.0000000	112WRD	401444078513201	
ALPO0311	01046	IRON, DISSOLVED (UG/L AS FE)	940419	1210	150000.0000000	112WRD	401444078513201	
ALPO0311	01047	IRON, FERROUS (UG/L AS FE)	930715	0850	108000.0000000	112WRD	401444078513201	
ALPO0311	01047	IRON, FERROUS (UG/L AS FE)	940419	1210	152000.0000000	112WRD	401444078513201	
ALPO0311	01105	ALUMINUM, TOTAL (UG/L AS AL)	930715	0850	23500.0000000	112WRD	401444078513201	
ALPO0311	01105	ALUMINUM, TOTAL (UG/L AS AL)	940419	1210	30300.0000000	112WRD	401444078513201	
ALPO0311	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	930715	0850	23500.0000000	112WRD	401444078513201	
ALPO0311	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	940419	1210	29400.0000000	112WRD	401444078513201	
ALPO0312	01045	IRON, TOTAL (UG/L AS FE)	930715	0930	60900.0000000	112WRD	401442078513501	
ALPO0312	01105	ALUMINUM, TOTAL (UG/L AS AL)	930715	0930	28300.0000000	112WRD	401442078513501	
ALPO0312	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	930715	0930	27400.0000000	112WRD	401442078513501	
ALPO0316	00435	ACIDITY, TOTAL (MG/L AS CACO3)	940720		1566.0000000	11NPSWRD	JOFL_LC_LCR-107	
ALPO0316	00945	SULFATE, TOTAL (MG/L AS SO4)	940720		3288.0000000	11NPSWRD	JOFL_LC_LCR-107	
ALPO0317	01045	IRON, TOTAL (UG/L AS FE)	930713	0840	131000.0000000	112WRD	401503078515401	
ALPO0317	01046	IRON, DISSOLVED (UG/L AS FE)	930713	0840	129000.0000000	112WRD	401503078515401	
ALPO0317	01055	MANGANESE, TOTAL (UG/L AS MN)	930713	0840	6130.0000000	112WRD	401503078515401	
ALPO0317	01105	ALUMINUM, TOTAL (UG/L AS AL)	930713	0840	26400.0000000	112WRD	401503078515401	
ALPO0317	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	930713	0840	26200.0000000	112WRD	401503078515401	
ALPO0329	01055	MANGANESE, TOTAL (UG/L AS MN)	930728	1420	10200.0000000	112WRD	401441078530201	
ALPO0329	01055	MANGANESE, TOTAL (UG/L AS MN)	940524	1400	5110.0000000	112WRD	401441078530201	
ALPO0329	01056	MANGANESE, DISSOLVED (UG/L AS MN)	930728	1420	10200.0000000	112WRD	401441078530201	
ALPO0330	01105	ALUMINUM, TOTAL (UG/L AS AL)	650929		25000.0000000	112WRD	03041000	
ALPO0331	01055	MANGANESE, TOTAL (UG/L AS MN)	930714	1535	12600.0000000	112WRD	401451078533101	
ALPO0334	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	781211	1245	-3.5000000	21PA	WQN0816	
ALPO0334	00080	COLOR (PLATINUM-COBALT UNITS)	620925	0042	800.0000000	21PA	WQN0816	
ALPO0334	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	511004	0009	1080.0000000	21PA	WQN0816	
ALPO0334	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	521016	0015	1520.0000000	21PA	WQN0816	
ALPO0334	01045	IRON, TOTAL (UG/L AS FE)	511004	0009	110000.0000000	21PA	WQN0816	
ALPO0334	01045	IRON, TOTAL (UG/L AS FE)	511203	0010	100000.0000000	21PA	WQN0816	
ALPO0334	01045	IRON, TOTAL (UG/L AS FE)	521016	0015	360000.0000000	21PA	WQN0816	
ALPO0334	01045	IRON, TOTAL (UG/L AS FE)	521202	0016	60000.0000000	21PA	WQN0816	
ALPO0334	01045	IRON, TOTAL (UG/L AS FE)	530911	0020	120000.0000000	21PA	WQN0816	
ALPO0334	01045	IRON, TOTAL (UG/L AS FE)	541001	0023	80000.0000000	21PA	WQN0816	
ALPO0334	01045	IRON, TOTAL (UG/L AS FE)	641209	0052	160000.0000000	21PA	WQN0816	
ALPO0334	01045	IRON, TOTAL (UG/L AS FE)	681015	0068	112000.0000000	21PA	WQN0816	

Water Quality Observations
Outside STORET Edit Criteria for ALPO/JOFL

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NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
ALPO0334	01045	IRON, TOTAL (UG/L AS FE)	721206	1530	68000.0000000	21PA	WQN0816	
ALPO0334	01105	ALUMINUM, TOTAL (UG/L AS AL)	500331	0001	20800.0000000	21PA	WQN0816	
ALPO0334	01105	ALUMINUM, TOTAL (UG/L AS AL)	500606	0002	34000.0000000	21PA	WQN0816	
ALPO0334	01105	ALUMINUM, TOTAL (UG/L AS AL)	500728	0003	44000.0000000	21PA	WQN0816	
ALPO0334	01105	ALUMINUM, TOTAL (UG/L AS AL)	510806	0008	100000.0000000	21PA	WQN0816	
ALPO0334	01105	ALUMINUM, TOTAL (UG/L AS AL)	511004	0009	256000.0000000	21PA	WQN0816	
ALPO0334	01105	ALUMINUM, TOTAL (UG/L AS AL)	520423	0012	33500.0000000	21PA	WQN0816	
ALPO0334	01105	ALUMINUM, TOTAL (UG/L AS AL)	520620	0013	30000.0000000	21PA	WQN0816	
ALPO0334	01105	ALUMINUM, TOTAL (UG/L AS AL)	521016	0015	173000.0000000	21PA	WQN0816	
ALPO0334	01105	ALUMINUM, TOTAL (UG/L AS AL)	530215	0017	28000.0000000	21PA	WQN0816	
ALPO0334	01105	ALUMINUM, TOTAL (UG/L AS AL)	530911	0020	77000.0000000	21PA	WQN0816	
ALPO0334	01105	ALUMINUM, TOTAL (UG/L AS AL)	540319	0021	22000.0000000	21PA	WQN0816	
ALPO0334	01105	ALUMINUM, TOTAL (UG/L AS AL)	541001	0023	34000.0000000	21PA	WQN0816	
ALPO0334	01105	ALUMINUM, TOTAL (UG/L AS AL)	550708	0024	31000.0000000	21PA	WQN0816	
ALPO0334	01105	ALUMINUM, TOTAL (UG/L AS AL)	551019	0025	25000.0000000	21PA	WQN0816	
ALPO0344	00945	SULFATE, TOTAL (MG/L AS SO4)	940815	1200	2891.0000000	112WRD	401718078543601	
ALPO0344	01045	IRON, TOTAL (UG/L AS FE)	940815	1200	188000.0000000	112WRD	401718078543601	
ALPO0344	01046	IRON, DISSOLVED (UG/L AS FE)	940815	1200	186000.0000000	112WRD	401718078543601	
ALPO0344	01047	IRON, FERROUS (UG/L AS FE)	940815	1200	160000.0000000	112WRD	401718078543601	
ALPO0344	01055	MANGANESE, TOTAL (UG/L AS MN)	940815	1200	9510.0000000	112WRD	401718078543601	
ALPO0345	00945	SULFATE, TOTAL (MG/L AS SO4)	941121	1100	3167.0000000	112WRD	401729078545401	
ALPO0345	01055	MANGANESE, TOTAL (UG/L AS MN)	941121	1100	5030.0000000	112WRD	401729078545401	
ALPO0346	01055	MANGANESE, TOTAL (UG/L AS MN)	810211	0950	10864.0000000	11COEHUN	4CON12180	
ALPO0348	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	781211	1400	-4.6000000	21PA	WQN0817	
ALPO0348	00400	PH (STANDARD UNITS)	700708	1417	0.4500000	21PA	WQN0817	
ALPO0348	01045	IRON, TOTAL (UG/L AS FE)	721206	1415	66000.0000000	21PA	WQN0817	
ALPO0348	01105	ALUMINUM, TOTAL (UG/L AS AL)	510806	0008	24000.0000000	21PA	WQN0817	
ALPO0348	01105	ALUMINUM, TOTAL (UG/L AS AL)	511004	0009	23000.0000000	21PA	WQN0817	
ALPO0348	01105	ALUMINUM, TOTAL (UG/L AS AL)	521016	0015	28000.0000000	21PA	WQN0817	
ALPO0348	01105	ALUMINUM, TOTAL (UG/L AS AL)	530911	0020	41000.0000000	21PA	WQN0817	
ALPO0351	01056	MANGANESE, DISSOLVED (UG/L AS MN)	810803	1200	30000.0000000	112WRD	03040000	
ALPO0352	01055	MANGANESE, TOTAL (UG/L AS MN)	810211	0930	9518.0000000	11COEHUN	4CON12185	
ALPO0356	01045	IRON, TOTAL (UG/L AS FE)	790605	1000	64000.0000000	112WRD	03041028	
ALPO0356	01045	IRON, TOTAL (UG/L AS FE)	790809	0930	160000.0000000	112WRD	03041028	
ALPO0356	01045	IRON, TOTAL (UG/L AS FE)	810814	1015	310000.0000000	112WRD	03041028	
ALPO0356	01046	IRON, DISSOLVED (UG/L AS FE)	790809	0930	150000.0000000	112WRD	03041028	
ALPO0356	01046	IRON, DISSOLVED (UG/L AS FE)	810814	1015	280000.0000000	112WRD	03041028	
ALPO0356	01055	MANGANESE, TOTAL (UG/L AS MN)	790605	1000	9900.0000000	112WRD	03041028	
ALPO0356	01055	MANGANESE, TOTAL (UG/L AS MN)	790809	0930	32000.0000000	112WRD	03041028	
ALPO0356	01055	MANGANESE, TOTAL (UG/L AS MN)	800820	1630	14000.0000000	112WRD	03041028	
ALPO0356	01055	MANGANESE, TOTAL (UG/L AS MN)	810401	1248	8000.0000000	112WRD	03041028	

Water Quality Observations
Outside STORET Edit Criteria for ALPO/JOFL

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
ALPO0356	01055	MANGANESE, TOTAL (UG/L AS MN)	810814	1015	30000.0000000	112WRD	03041028	
ALPO0356	01056	MANGANESE, DISSOLVED (UG/L AS MN)	790605	1000	10000.0000000	112WRD	03041028	
ALPO0356	01056	MANGANESE, DISSOLVED (UG/L AS MN)	790809	0930	32000.0000000	112WRD	03041028	
ALPO0356	01056	MANGANESE, DISSOLVED (UG/L AS MN)	800820	1630	14000.0000000	112WRD	03041028	
ALPO0356	01056	MANGANESE, DISSOLVED (UG/L AS MN)	810401	1248	8500.0000000	112WRD	03041028	
ALPO0356	01056	MANGANESE, DISSOLVED (UG/L AS MN)	810814	1015	31000.0000000	112WRD	03041028	
ALPO0357	00945	SULFATE, TOTAL (MG/L AS SO4)	941121	1000	3091.0000000	112WRD	401942078553401	
ALPO0357	01045	IRON, TOTAL (UG/L AS FE)	941121	1000	392000.0000000	112WRD	401942078553401	
ALPO0357	01046	IRON, DISSOLVED (UG/L AS FE)	941121	1000	329000.0000000	112WRD	401942078553401	
ALPO0358	01055	MANGANESE, TOTAL (UG/L AS MN)	810211	0900	10437.0000000	11COEHUN	4CON11130	

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) ALPOTABS.ZIP

This compressed file contains all the tables presented in the report. The files compressed into this file include:

(a) ALPOSITE.DOC - Descriptive listing of select fields from the industrial facilities discharges, drinking water intakes, and EPA-USGS stream gages databases.

(b) ALPOAGNC.DOC - Contacts for agencies whose data were retrieved within the study area.

(c) ALPOAGNQ.DOC - Number of stations, observations, and parameters retrieved by agency code within the study area and park.

(d) ALPOOV0.DOC - Overview of park and retrieved data.

(e) ALPOOV1.DOC - Station period of record table.

(f) ALPOOV2.DOC - Parameter period of record table.

(g) ALPOOV3.DOC - Station/parameter period of record table.

(h) ALPOINV.DOC - Station by station descriptive statistics over the entire period of record and comparison against EPA Water Quality Criteria for each station.

(i) ALPOSEAN.DOC - Seasonal and annual water quality descriptive statistics at stations with water quality data meeting the default seasonal and annual criteria.

(j) ALPOEPAS.DOC - EPA Water Quality Criteria comparison for data at all stations combined within the study area.

(k) ALPOIDEA.DOC - Comparison of downloaded STORET data with NPS Servicewide Inventory and Monitoring Program "Level I" water quality parameters.

(l) ALPOBAD.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 ALPOOV1.DOC is in the subdirectory C:\WATER, you could type: PRINT C:\WATER\ALPOOV1.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) ALPOFIGS.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 ALPO0001. 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 ALPO0001) 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) ALPOPARM.ZIP

This file compresses ALPOPARM.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) ALPOSITE.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) ALPOWQ.DBF - All water quality monitoring station locations within the project's study area downloaded from STORET.

(b) ALPOIFD.DBF - All municipal and industrial facility discharges within the project's study area downloaded from the IFD database.

(c) ALPODRIN.DBF - All drinking water intakes within the project's study area downloaded from the DRINKS database.

(d) ALPOGAGE.DBF - All water gages within the project's study area downloaded from the GAGES database.

(e) ALPODAMS.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) ALPOMISC.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) ALPOEXEC.DOC - WordPerfect Ver. 5.1 copy of the Executive Summary in the report.

(b) ALPOTOC.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) ALPOREGI - PCL and CLP (Windows Clipboard) copies of map displaying the regional location of the park and study area.

(f) ALPOWQ - 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 (ALPOWQA, ALPOWQB, ALPOWQC, etc.) and the index map name will end with an ampersand (&).

(g) ALPOIDG - 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 (ALPOIDGA, ALPOIDGB, ALPOIDGC, 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) ALPOSEHY - 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 ALPOFIGS.ZIP and ALPOTABS.ZIP, you can use the PRINTZIP program to print any of the PCL files in ALPOMISC.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) ALPORF3.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) ALPOWQMW.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: ALPOPARM.DBF in ALPOPARM.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: ALPOPARM.DBF in ALPOPARM.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: ALPOPARM.DBF in ALPOPARM.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: ALPOWQ.DBF in ALPOSITE.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: ALPOWQ.DBF in ALPOSITE.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: ALPOIFD.DBF in ALPOSITE.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: ALPOIFD.DBF in ALPOSITE.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: ALPOIFD.DBF in ALPOSITE.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: ALPODRIN.DBF in ALPOSITE.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: ALPODRIN.DBF in ALPOSITE.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: ALPODRIN.DBF in ALPOSITE.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: ALPOGAGE.DBF in ALPOSITE.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: ALPOGAGE.DBF in ALPOSITE.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: ALPODAMS.DBF in ALPOSITE.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: ALPODAMS.DBF in ALPOSITE.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: ALPODAMS.DBF in ALPOSITE.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: ALPODAMS.DBF in ALPOSITE.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 ALPORF3.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 ALPORF3.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 ALPORF3.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 ALPORF3.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 ALPORF3.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 ALPORF3.ZIP
First Line = Catalog Unit Number (8 Characters)
Subsequent Lines:
L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS, ...
Example:
02070010
L=391259,L=0770809,L=391220,L=0770749,L=391147,L=0770715,L=391120,L=0770633,
L=391058,L=0770535,L=391042,L=0770520,L=391016,L=0770427,L=390948,L=0770416,
L=390526,L=0765331,L=390500,L=0765149,L=390456,L=0765139,L=390357,L=0765123,
...
L=390744,L=0771007,L=390826,L=0771022,L=390910,L=0771022,L=390950,L=0771003,
L=391107,L=0770922,
There can be as many as four latitude/longitude pairs per line.

The following table provides the DBASE III+ database field structure of the Water Resources Division's "encyclopedia" file that documents the minimum and maximum parameter values found and the park(s) where they occurred. This file is intended for Water Resources Division internal use, but will be available to anyone upon request after Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks.

Encyclopedia File: WRD File For Internal Use Only				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
PARM	1	5	5	STORET Parameter Code
PARMNAME	6	45	40	Parameter Name
MINVAL	46	61	16.7	Minimum Value
MINVALPARK	62	65	4	Park Unit with Minimum Value
MAXVAL	66	71	16.7	Maximum Value
MAXVALPARK	72	75	4	Park Unit with Maximum Value

Appendix C

STORET Water Quality Control/Edit Checking

The following table provides the high and low values used by STORET since November 1983 for 190 common water quality parameters to screen or error check data. Data entered into STORET prior to November 1983, however, were not subjected to this edit/bounds check. Additionally, data from the USGS WATSTORE system that is loaded into STORET is never subjected to these edit criteria and agencies entering data in STORET can override these edit criteria to enter data values that fall outside a range. As a consequence, all data downloaded from STORET for the purposes of this project were filtered through these edit criteria to document values outside the generally accepted ranges. Decisions were then made on a case-by-case basis to retain or discard obviously incorrect data. Refer to the Water Quality Observations Outside STORET Edit Criteria section of the Interpretive Guide To Water Quality Results chapter for more information on this subject.

STORET Code	STORET Parameter Description	High Value	Low Value
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	37.0	-2.0
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	98.0	31.0
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	52.0	-40.0
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	125.0	-40.0
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE	1990.9	1977.0
00032	CLOUD COVER (PERCENT)	101.0	0.0
00035	WIND VELOCITY (MILES PER HOUR)	85.0	0.0
00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	361.0	0.0
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	15.0	0.0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	1500.0	0.0
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	101.0	0.0
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	500.0	0.0
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	1000.0	0.0
00077	TRANSPARENCY, SECCHI DISC (INCHES)	600.0	0.0
00080	COLOR (PLATINUM-COBALT UNITS)	500.0	0.0
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	500.0	0.0
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	250.0	0.0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	60000.0	1.0
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	60000.0	1.0
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	30.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00300	OXYGEN, DISSOLVED (MG/L)	30.0	0.0
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION%	200.0	0.0
00310	BOD, 5 DAY, 20 DEG C (MG/L)	150.0	0.0
00335	COD, .025N K2CR2O7 (MG/L)	1000.0	0.0
00340	COD, .25N K2CR2O7 (MG/L)	1000.0	0.0
00365	CHLORINE DEMAND, 15 MINUTE (MG/L)	15.0	0.0
00400	PH (STANDARD UNITS)	12.0	0.9
00403	PH, LAB, STANDARD UNITS, (STANDARD UNITS)	12.0	0.9
00405	CARBON DIOXIDE (MG/L AS CO2)	100.0	0.0
00406	PH, FIELD (STANDARD UNITS)	12.0	0.9
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	750.0	0.0
00435	ACIDITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	1000.0	0.0
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	750.0	0.0
00440	BICARBONATE ION (MG/L AS HCO3)	450.0	0.0
00445	CARBONATE ION (MG/L AS CO3)	100.0	0.0
00480	SALINITY - PARTS PER THOUSAND	40.0	0.0
00500	RESIDUE, TOTAL (MG/L)	15000.0	0.0
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10000.0	0.0
00510	RESIDUE, TOTAL FIXED (MG/L)	10000.0	0.0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), (MG/L)	20000.0	0.0
00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	10000.0	0.0
00525	RESIDUE, FIXED FILTRABLE (MG/L)	10000.0	0.0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10000.0	0.0
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10000.0	0.0
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10000.0	0.0
00545	RESIDUE, SETTLEABLE (ML/L)	1000.0	0.0
00546	RESIDUE, SETTLEABLE (MG/L)	1000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC., (MG/L)	250.0	0.0
00600	NITROGEN, TOTAL (MG/L AS N)	100.0	0.0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	15.0	0.0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	25.0	0.0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	20.0	0.0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	5.0	0.0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	50.0	0.0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	50.0	0.0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	55.0	0.0
00635	NITROGEN, AMMONIA & ORG., TOTAL 1 DET (MG/L AS N)	70.0	0.0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	30.0	0.0
00653	PHOSPHATE, TOTAL SOLUBLE (MG/L)	30.0	0.0
00655	PHOSPHATE, POLY (MG/L AS PO4)	30.0	0.0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	30.0	0.0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10.0	0.0
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10.0	0.0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	100.0	0.0
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	100.0	0.0
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	100.0	0.0
00690	CARBON, TOTAL (MG/L AS C)	150.0	0.0
00720	CYANIDE, TOTAL (MG/L AS CN)	10.0	0.0
00745	SULFIDE, TOTAL (MG/L AS S)	1500.0	0.0
00746	SULFIDE, DISSOLVED (MG/L AS S)	1500.0	0.0
00760	SULFITE WASTE LIQUOR, PEARL BENSON INDEX (MG/L)	150.0	0.0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	5000.0	0.0
00910	CALCIUM (MG/L AS CACO3)	3000.0	0.0
00915	CALCIUM, DISSOLVED (MG/L AS CA)	1000.0	0.0
00916	CALCIUM, TOTAL (MG/L AS CA)	1000.0	0.0
00920	MAGNESIUM (MG/L AS CACO3)	3000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	1000.0	0.0
00927	MAGNESIUM, TOTAL (MG/L AS MG)	1000.0	0.0
00929	SODIUM, TOTAL (MG/L AS NA)	5000.0	0.0
00930	SODIUM, DISSOLVED (MG/L AS NA)	5000.0	0.0
00931	SODIUM ADSORPTION RATIO	50.0	0.0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	175.0	0.0
00937	POTASSIUM, TOTAL MG/L AS K)	175.0	0.0
00940	CHLORIDE, TOTAL IN WATER, (MG/L)	22000.0	0.0
00945	SULFATE, TOTAL (MG/L AS SO4)	2500.0	0.0
00946	SULFATE, DISSOLVED (MG/L AS SO4)	2500.0	0.0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	15.0	0.0
00951	FLUORIDE, TOTAL (MG/L AS F)	15.0	0.0
00955	SILICA, DISSOLVED (MG/L AS SI02)	2000.0	0.0
00956	SILICA, TOTAL (MG/L AS SI02)	2000.0	0.0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	5000.0	0.0
01002	ARSENIC, TOTAL (UG/L AS AS)	5000.0	0.0
01005	BARIUM, DISSOLVED (UG/L AS BA)	2000.0	0.0
01007	BARIUM, TOTAL (UG/L AS BA)	2000.0	0.0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	2000.0	0.0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	2000.0	0.0
01020	BORON, DISSOLVED (UG/L AS B)	5000.0	0.0
01022	BORON, TOTAL (UG/L AS B)	5000.0	0.0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	500.0	0.0
01027	CADMIUM, TOTAL (UG/L AS CD)	500.0	0.0
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	2000.0	0.0
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	2000.0	0.0
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	2000.0	0.0
01034	CHROMIUM, TOTAL (UG/L AS CR)	2000.0	0.0
01040	COPPER, DISSOLVED (UG/L AS CU)	2000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
01042	COPPER, TOTAL (UG/L AS CU)	5000.0	0.0
01045	IRON, TOTAL (UG/L AS FE)	56000.0	0.0
01046	IRON, DISSOLVED (UG/L AS FE)	56000.0	0.0
01047	IRON, FERROUS (UG/L AS FE)	56000.0	0.0
01049	LEAD, DISSOLVED (UG/L AS PB)	1000.0	0.0
01051	LEAD, TOTAL (UG/L AS PB)	1000.0	0.0
01055	MANGANESE, TOTAL (UG/L AS MN)	5000.0	0.0
01056	MANGANESE, DISSOLVED (UG/L AS MN)	5000.0	0.0
01065	NICKEL, DISSOLVED (UG/L AS NI)	2000.0	0.0
01067	NICKEL, TOTAL (UG/L AS NI)	2000.0	0.0
01075	SILVER, DISSOLVED (UG/L AS AG)	5000.0	0.0
01077	SILVER, TOTAL (UG/L AS AG)	5000.0	0.0
01090	ZINC, DISSOLVED (UG/L AS ZN)	25000.0	0.0
01092	ZINC, TOTAL (UG/L AS ZN)	25000.0	0.0
01105	ALUMINUM, TOTAL (UG/L AS AL)	20000.0	0.0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	20000.0	0.0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	100.0	0.0
01501	ALPHA, TOTAL	200.0	0.0
01503	ALPHA, DISSOLVED	75.0	0.0
01505	ALPHA, SUSPENDED	150.0	0.0
03501	BETA, TOTAL	3500.0	0.0
03503	BETA, DISSOLVED	3000.0	0.0
03505	BETA, SUSPENDED	1500.0	0.0
09503	RADIUM 226, DISSOLVED	500.0	0.0
13501	STRONTIUM 90, TOTAL	500.0	0.0
22703	URANIUM, NATURAL, DISSOLVED	500.0	0.0
31501	COLIFORM, TOT,MEMBRANE FILTER,IMMED.M-ENDO MED, 35C	24000000.0	0.0
31502	COLIFORM, TOTAL, 10/ML	24000000.0	0.0
31503	COLIFORM, TOT,MEMBR FILTER, DELAYED,M-ENDO MED, 35C	24000000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
31504	COLIFORM, TOT,MEMBR FILTER,IMMED,LES ENDO AGAR, 35C	24000000.0	0.0
31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR,44.5C, 24HR	10000000.0	0.0
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	10000000.0	0.0
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH, 44.5C	10000000.0	0.0
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48HR	500000.0	0.0
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	500000.0	0.0
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	500000.0	0.0
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR,35C,48H	500000.0	0.0
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	99999999.0	0.0
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	99999999.0	0.0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	500.0	0.0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	750.0	0.0
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	1000.0	0.0
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	200.0	0.0
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	500.0	0.0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	200.0	0.0
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	2.0	0.0
32221	CHLOROPHYLL A,% OF(PHEOPHYTIN A+CHL A),SPEC-ACID.	101.0	0.0
32230	CHLOROPHYLL A (MG/L)	0.5	0.0
32231	CHLOROPHYLL B (MG/L)	0.8	0.0
32232	CHLOROPHYLL C (MG/L)	0.2	0.0
32234	CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	1.0	0.0
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	5.0	0.0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	1500.0	0.0
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10.0	0.0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39340	GAMMA-BHC(LINDANE),WHOLE WATER, (UG/L)	20.0	0.0
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER, (UG/L)	20.0	0.0
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	5.0	0.0
60050	ALGAE, TOTAL (CELLS/ML)	700000.0	0.0
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	4000.0	0.0
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10.0	0.0
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10.0	0.0
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	65.0	0.0
71886	PHOSPHORUS, TOTAL, AS PO4 - (MG/L)	30.0	0.0
71890	MERCURY, DISSOLVED (UG/L AS HG)	10.0	0.0
71895	MERCURY, SUSPENDED (UG/L AS HG)	10.0	0.0
71900	MERCURY, TOTAL (UG/L AS HG)	10.0	0.0
74010	IRON, TOTAL (MG/L AS FE)	56000.0	0.0

Appendix D

STORET Administrative Parameters

STORET Code	Description of STORET Administrative Parameters
00022	LENGTH OF EXPOSURE OF SAMPLE OR TEST - DAYS
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00073	SAMPLE LOC CODE DEFINED BY THERMAL STRUCT & DEPTH
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
00116	INTENSIVE SURVEY IDENTIFICATION NUMBER
00145	TOTAL PRODUCTION OF PRODUCT MANUFACTURED TONS/DAY
01273	TOTAL ACID PRIORITY POLLUTANTS MG/L
01274	TOTAL BASE-NEUTRAL PRIORITY POLLUTANTS MG/L
01275	TOTAL VOLATILE PRIORITY POLLUTANTS MG/L
01365	ANALYSIS DATE (DIOXIN) (YYMMDD)
04177	SAMPLE STABILIZATION, RECOVERY TEST CODE
04178	FIELD PROTOCOL(CONFDNCE ASSIGNED FIELD SAMPLE) CODE
04179	SAMPLE STATION LOCKED CODE
04180	CONDITION OF STATION SITE CODE
04181	LABORATORY QA/QC PLAN CONFIDENCE CODE
04182	SAMPLE TYPE CODE
04183	SAMPLE REMARKS CODE
30333	BAG MESH SIZE, BEDLOAD SAMPLER, MM
34772	NPDES NUMBER, CROSS REFERENCE CODE
34785	GAGE TYPE, METHOD CODE

STORET Code	Description of STORET Administrative Parameters
45575	GC MAKE AND MODEL INFORMATION CODE
45576	GC DETECTOR TYPE CODE
45577	GC COLUMN TYPE CODE
45580	METHOD OF ANALYSIS CODE
45581	LABORATORY LOCATION CODE
46107	SAMPLE LOCATION CODE (TREATMENT PLANT OPERATION)
46390	TOXICITY CHARACTERISTIC LEACHING PROCEDURE P OR F
46396	PROCESS TO SIGNIFICANTLY REDUCE PATHOGENS YES OR NO
46397	PROCESS TO FURTHER REDUCE PATHOGENS YES OR NO
47001	PERMIT EXPIRATION DATE (JULIAN CALENDAR)
47044	OBSERVATIONS,WASTE SITE-SEVERITY OF PROBLEMS CODE
47460	SUBSAMPLE - DECIMAL FRACTION OF WHOLE NUMBER
47477	COMPOSITION AND/OR DISPOSITION OF CATCH NUM CODE
70231	CURRENT DIRECTION (DEGREES FROM DOWNSTREAM FLOW)
71999	SAMPLE PURPOSE CODE
72032	NUMBER OF SPILLWAY GATES OPEN
73672	DATE OF ANALYSIS YYMMDD
73673	DATE OF EXTRACTION YYMMDD
74031	GRANT, PROJECT COST ELIGIBLE FOR CONSTRUCTION
74032	GRANT, AMOUNT OF PL 660 GRANT FOR THIS PROJECT
74033	GRANT, FEDERAL, OTHER THAN PL 660 GRANT
74034	GRANT, FUTURE PL 660 WHICH MAY APPLY TO THIS PROJ
74035	GRANT, TOTAL FEDERAL, WHICH APPLIES TO THIS PROJ
74036	GRANT, PROJ NUMBER ASSIGNED TO THIS APPLICATION
74037	GRANT, TYPE OF PROJECT TO WHICH GRANT APPLIES
74038	GRANT, STATUS OF PROJECT TO WHICH GRANT APPLIES
74039	PCS/STORET WATER QUALITY FILE INTERFACE YR/MO/DAY
74040	SURVEY NUMBER YYMMNO
74041	STORET STORAGE TRANSACTION DATE YR/MO/DAY

STORET Code	Description of STORET Administrative Parameters
74050	RADIOACTIVITY, GENERAL (PERMIT)
74051	ALGICIDES, GENERAL (PERMIT)
74052	CHLORINATED HYDROCARBONS, GENERAL (PERMIT)
74053	PESTICIDES, GENERAL (PERMIT)
74056	COLIFORM, TOTAL, GENERAL (PERMIT)
74065	STREAM FLOW CLASS
74066	ANNUAL RUNOFF
74067	SOIL CLASSIFICATION
74068	WATER QUALITY DESIGNATED USE CLASSIFICATION (IA)
74100	PRIMARY 1972 SIC CODE
74101	SECONDARY 1972 SIC CODE
74102	SECONDARY 1972 SIC CODE
74103	SECONDARY 1972 SIC CODE
74200	SAMPLE PRESERVATION METHODS ONE OR MORE IN COMB.
74205	LAND RESOURCE AREA (IOWA)
74206	SOIL EROSION POTENTIAL (IOWA)
74209	WATER QUALITY INDEX - STATE OF ILLINOIS, EPA
74210	FOREST STREAM WATER QUALITY INDEX CALC. NUMBER
74990	FISH SPECIES NUMERIC CODE - F&W SERVICE
74995	ANATOMY CODE
75000	SPECIES CODE-REMARK=SEX (M=MALE,F=FEMALE,U=UNK.)
81028	WITHDRAWAL OF GROUNDWATER (MILLION GAL/DAY)
82258	WATER CLASSIFICATION CODE (1-9) CODE
82292	DATA RELAY GROUND STATION SOURCE NODE CODE, CODE
82309	CONTAMINATION SOURCE POSSIBLE CODES NUMERIC CODE
82310	DEPTH CONFIDENCE IN REPORTED VALUES NUMERIC CODES
82373	FREQUENCY OF SAMPLING M=MON,Q=QUAR,Y=YR,R=RNFFCODE
82519	DRILLER REGISTRATION NUMBER ALPHA-NUMERIC CODE
82562	NARRATIVE REQUIREMENT EXCEEDANCES INTEGER

STORET Code	Description of STORET Administrative Parameters
82576	DAILY EXCURSION TIME, WATER MIN
82577	MONTHLY EXCURSION TIME, WATER TOTAL MIN
82578	DAY/MAXIMUM EXCURSION TIME, WATER MIN
82579	CODE NUMBER FOR PERSON COLLECTING SAMPLE
84002	CODE, GENERAL INFORMATION - ALPHA, NUMERIC CODE
84003	WATER SHED ID NUMBER (IOWA)
84005	FISH SPECIES CODE-FISH & WILDLIFE SER
84006	OWNERSHIP CLASSIFICATION OF LAKE, ILLINOIS SYSTEM
84010	PUBLIC ACCESS TO LAKE ILLINOIS SYSTEM
84011	CONFIDENCE CODE FOR GLC CONFIRMATION CODE
84012	PATIENT PARAMETERS (AGE, SEX, WT, ETC.) CODE
84013	SAMPLE PARAMETERS D=DESIGN SPECIMEN, S=SURPLUS
84027	CODE NUMBER FOR AGENCY COLLECTING SAMPLE
84028	CODE NO FOR AGENCY ANALYZING SAMPLE
84029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE FIELD
84033	EGD ANALYTICAL DATA COMPLETENESS Y=YES N=NO CODE
84034	EGD SMPL NO.(SMPL.IDENT) NUMERIC=SCS ALPH+4NUM=JRB
84035	EGD SAMPLE CLASSIFICATION CATEGORY ALPHA CODE
84036	EGD INDUSTRIAL CATEGORY NUMERIC CODE
84037	EGD INDUSTRIAL CATEGORY NAME ALPHA CODE
84038	EGD LABORATORY NUMERIC CODE
84039	EGD LABORATORY NAME ALPHA CODE
84040	EGD SAMPLE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84041	EGD ACID STATUS (1-5,9,AND BLANK) NUMERIC CODE
84042	EGD BASE STATUS (1-5,9AND BLANK) NUMERIC CODE
84043	EGD PESTICIDE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84044	EGD VOA FRACT. STATUS INDICATOR (1-5,9,BLANK) CODE
84045	EGD ACID EXTRACT DATE (YYMMDD) NUMERIC CODE
84046	EGD BASE EXTRACTION DATE (YYMMDD) NUMERIC CODE

STORET Code	Description of STORET Administrative Parameters
84047	EGD PESTICIDE EXTRACTION DATE (YYMMDD) NUMERIC CODE
84048	EGD VOA FRACTION INJECTION DATE YYMMDD NUMERIC CODE
84049	EGD ACID CONC. FACTOR (FIVE NUMERIC DIGITS) CODE
84050	EGD BASE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84051	EGD PESTICIDE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84052	EGD VOA FRACTION CONC. FACTOR (5 NUMERIC DIGITS) CODE
84053	SAMPLE TYPE AND FREQUENCY OF COLLECTION CODE
84054	LITHOLOGY ALPHA-NUMERIC CODE
84055	AVAILABLE LOGS ALPHA-NUMERIC CODE
84056	WATER USE CATEGORY ALPHA-NUMERIC CODE
84057	INSPECTION TYPE ALPHA-NUMERIC CODE
84058	HYDROGEOLOGIC SYSTEM ALPHA-NUMERIC CODE
84059	WELL OWNERSHIP ALPHA-NUMERIC CODE
84060	TOPOGRAPHY ALPHA-NUMERIC CODE
84061	WELL USE ALPHA-NUMERIC CODE
84062	MEASURING POINT DESCRIPTION ALPHA-NUMERIC CODE
84063	DRILLING METHOD ALPHA-NUMERIC CODE
84064	WELL DATA AVAILABILITY ALPHA-NUMERIC CODE
84065	PERMIT COMPLIANCE DATA ALPHA-NUMERIC CODE
84067	NATURE OF MONITORING ALPHA-NUMERIC CODE
84073	REPLACES EXISTING WELL ALPHA-NUMERIC CODE
84074	AQUIFER TYPE (SEE USGS HANDBOOK) ALPHA CODE
84075	WELL PERMIT NUMBER ALPHA-NUMERIC CODE
84076	TSD MONITORING WELL TYPE ALPHA CODE
84077	TSD MONITORING WELL SAMPLING METHOD ALPHA CODE
84083	POLLUTION VERIFICATION ALPHA CODE
84084	WELL SAMPLE PURPOSE ALPHA CODE
84090	SAMPLE FILE CONTROL PROJECT IDENTIFICATION A-CODE
84091	INFILTRATION DATE/BEGINNING 'YYMMDD'

STORET Code	Description of STORET Administrative Parameters
84092	INFILTRATION DATE/ENDING 'YYMMDD'
84093	ENFORCEMENT FORM #2-C,DATA IDENTIFICATION CODE
84102	SAMPLE SPECIES-SUB ID ALPHA CODE
84103	DIOXIN LABORATORY ALPHA CODE
84104	DIOXIN STUDY ALPHA CODE
84112	SOURCE OF GEOHYDROLOGIC DATA CODE
84119	SOURCE OF EVACUATION DATA CODE
84121	REGULATING AGENCY CODE
84122	SAMPLE PURPOSE CODE
84126	SOURCE OF DEPTH DATA CODE
84127	METHOD OF DEPTH MEASUREMENT CODE
84128	SOURCE OF WATER-LEVEL DATA CODE
84129	DATA QUALITY
84141	LAKE, PHYSICAL CONDITION AT SAMPLE TIME, 1-5, CODE
84142	LAKE,RECREATIONAL SUITABILITY @ SMPL TIME,1-5, CODE
84164	SAMPLER TYPE, CODE
85300	PROBLEM CODE NES SURVEY
85327	WATER LEVEL AT SAMPLE COLLECTION TIME-CODE-NES
85332	CLOUD COVER AT SAMPLE COLLECTION TIME-CODE-NES
85553	WELL COMPLETION DATE (MONTH/YEAR)
85554	WELL WORKOVER DATE, LATEST (MONTH/YEAR)

Appendix E

STORET Parameters Not Suitable for Statistical Analysis

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00001	X-SEC. LOC., HORIZ (FT. FROM R BANK LOOK UPSTR.)
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)
00006	DISTANCE FROM LOCATION IN X MILES
00007	DISTANCE FROM LOCATION IN Y MILES
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00009	X-SEC. LOC.(FT FROM LEFT BANK LOOKING DOWNSTRM)
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00033	WEATHER CODE FOR OCEAN-OBSERV. (WMO CODE 4677)
00037	WIND FORCE (BEAUFORT UNITS)
00038	WIND DIRECTION (WMO CODES 0885 + 0887)
00041	WEATHER (WMO CODE 4501)
00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL
00043	CLOUD TYPE (WMO CODE 0500)
00044	CLOUD AMOUNT (WMO CODE 2700)
00047	TOTAL PARTIAL PRESSURE DISSOLVED GASES (MM HG)
00048	TOTAL PARTIAL PRESSURE DISSOLVED GASES (% SAT)
00049	SURFACE AREA IN SQUARE MILES
00050	EVAPORATION, TOTAL (INCHES PER DAY)
00051	SURFACE AREA IN SQUARE FEET
00053	SURFACE AREA, ACRES
00054	RESERVOIR STORAGE - ACRE FEET
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00067	TIDE STAGE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00069	SEA WAVES(0=NONE;1=0-3";2=4-20";3=21-48";4=4-8')
00097	SAMPLING STATION LOCATION, VERTICAL (FEET)
00098	SAMPLING STATION LOCATION, VERTICAL (METERS)
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
01300	OIL-GREASE (SEVERITY)
01305	DETERGENT SUDS (SEVERITY)
01310	GAS BUBBLES (SEVERITY)
01315	SLUDGE, FLOATING (SEVERITY)
01320	GARBAGE, FLOATING (SEVERITY)
01325	ALGAE, FLOATING MATS (SEVERITY)
01330	ODOR, ATMOSPHERIC (SEVERITY)
01331	TASTE (SEVERITY)
01335	SEWAGE SOLIDS, FRESH, FLOATING (SEVERITY)
01340	FISH, DEAD (SEVERITY)
01345	DEBRIS, FLOATING (SEVERITY)
01350	TURBIDITY (SEVERITY)
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)
03595	BIOASSAY (96 HR), EFFLUENT, TOTAL CODE
03596	BIOASSAY (48 HR), EFFLUENT, TOTAL CODE
03597	BIOASSAY (24 HR), EFFLUENT, TOTAL CODE
03598	TOXICITY, EFFLUENT, TOTAL CODE
03599	TOXICITY, CHOICE OF SPECIES, EFFLUENT CODE
03600	TOXICITY, TROUT, EFFLUENT, TOTAL CODE
03601	TOXICITY, SAND DOLLAR, EFFLUENT CODE
03602	BIOCHEMICAL OXYGEN DEMAND, EFFLUENT, TOTAL CODE
03603	SOLIDS, TOTAL SUSPENDABLE, EFFLUENT, TOTAL CODE
03605	FLOW METER CALIBRATION, WATER CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
03717	ONCORHYNCHUS MYKISS, WATER CODE
04117	TETHER LINE USED FOR COLLECTING SAMPLE CODE
04160	HALOCARBONS, PURGEABLE, SCAN, EFFLUENT CODE
04161	HALOCARBONS, PURGEABLE, SCAN, SLUDGE CODE
04162	AROMATIC, PURGEABLE, SCAN, EFFLUENT CODE
04163	AROMATIC, PURGEABLE, SCAN, SLUDGE CODE
04164	PHENOLIC, TOTAL, SCAN, EFFLUENT CODE
04165	PHENOLIC, TOTAL, SCAN, SLUDGE CODE
04166	PCB, TOTAL, SCAN, EFFLUENT CODE
04167	PCB, TOTAL, SCAN, SLUDGE CODE
04174	FREE LIQUIDS IN SEWAGE SLUDGE CODE
34765	AVIAN NUMERICAL SPECIES CODE (BIRDS)
34766	MAMMALIAN NUMERICAL SPECIES CODE
34771	MACROPHYTE, INSTREAM, VISUAL SIGHTING CODE
34773	ODOR, AMBIENT WATER CODE
34774	FISH, INSTREAM, VISUAL SIGHTING CODE
34775	STREAMBANK CHANNEL ALTERATIONS CODE
34776	HYDRAULIC STRUCTURES, INSTREAM CODE
34780	LAND USE, ADJACENT STREAM CODE
34781	SAMPLE POINTS, # OF LONGTDNL TRANSECTS, REACH CODE
34782	STREAM STAGE TREND CODE
34789	HABITATS, TYPES SAMPLED CODE
45613	FLOATING SOLIDS/VISIBLE FOAM, VISUAL, YES=1, NO=0, CODE
45614	SANITARY WASTE DISCHARGE ASSESSMENT, YES=1, NO=0, CODE
45615	INTERMITTENT DISCHARGE ASSESSMENT, YES=1, NO=0,CODE
46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)
46478	EQUIPMENT INSPECTION, VISUAL CODE
46486	TOXICITY,ACUTE 24HR(STATIC)CERIODAPHNIA (P/F) CODE
47454	FLOW METER REVOLUTIONS NUMBER

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
47455	LATITUDE, STARTING, OF A SAMPLE TOW DDMMSS
47456	LONGITUDE, STARTING, OF A SAMPLE TOW DDDMMSS
47457	LATITUDE, FINISHING, OF A SAMPLE TOW DDMMSS
47458	LONGITUDE, FINISHING, OF A SAMPLE TOW DDDMMSS
47459	LENGTH FREQUENCY NUMBER
47461	TIME THAT THE EQUIPMENT WAS SAMPLING MINUTES
47476	DIRECTION OF TOW IN RELATION TO CURRENT NUM CODE
50044	HYDROGRAPH LIMB, 1BASE, 2RISING, 3PEAK, 4FALLING, CODE
61390	DIATOMS,FIRST DOMINANT SPECIES OF UNITS - CODE
61391	DIATOMS,SECOND DOMINANT SPECIES OF UNITS - CODE
61392	DIATOMS,THIRD DOMINANT SPECIES OF UNITS - CODE
61393	DIATOMS,FOURTH DOMINANT SPECIES OF UNITS - CODE
70220	WAVE DIRECTION (WMO CODES 0885 + 0887)
70222	WAVE HEIGHT (WMO CODE 1555)
70223	WAVE PERIOD (WMO CODE 3155)
71090	BIVALVE SPECIES CODE
71500	EQUITABILITY INDEX,BENTHIC MACROINVER CODE
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)
72001	DEPTH, TOTAL OF HOLE (FT BELOW LAND SURFACE DATUM)
72002	DEPTH TO TOP OF WATER-BEARING ZONE SAMPLED (FT)
72003	DEPTH TO BOTTOM OF WATER-BEARING ZONE SAMPLED (FT)
72004	PUMP OR FLOW PERIOD PRIOR TO SAMPLING MINUTES
72005	SAMPLE SOURCE CODE (BM WELL DATA)
72006	SAMPLING CONDITION CODE (BM WELL DATA)
72007	FORMATION NAME CODE (BM WELL DATA)
72017	SERIES CODE (BM WELL DATA)
72018	SYSTEM CODE (BM WELL DATA)
72111	DIRECT READOUT GROUND STATN TRANSMIT EROR CODE NUM
74054	FECAL STREPTOCOCCI, GENERAL (PERMIT)

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
74055	FECAL COLIFORM, GENERAL (PERMIT)
80889	ACTIVATED SLUDGE PROCESS MODIFICATION CODE
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)
81637	SHELLFISH SPECIES NUMERIC CODE
82289	LAGOON OBSERVATION, VISUAL, Y=YES N=NO CODE
82398	SAMPLING METHOD (CODES)
82524	STORAGE COEFFICIENT NUMERICAL CODE
82923	ATMOSPHERIC DEPOSITION TYPE, WET CODE
83205	ATMOSPHERIC DEPOSITION TYPE, BULK CODE
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)
84001	AQUIFER NAME CODE (SEE USGS CATALOG)
84004	LAKE TYPE ILLINOIS CLASSIFICATION SYSTEM
84007	ANATOMY ALPHA CODE
84008	LIFE STYLE/HABITAT OF THE INDIVIDUALS IN THE SAMPLE
84009	SHELLFISH SPECIES ALPHANUMERIC CODE
84014	SPECIES SEX CODE
84030	CLOUD AMOUNT ALPHA WEATHER CODES
84031	PHYSICAL WEATHER ALPHA WEATHER CODES
84032	STREAM CONDITION ALPHA WEATHER CODES
84066	OIL AND GREASE, VISUAL, ALPHA-NUMERIC CODE
84068	SERIES CODE ALPHA-NUMERIC CODE
84069	FORMATION CODE ALPHA-NUMERIC CODE
84070	METHOD OF TESTING WELL YIELD ALPHA-NUMERIC CODE
84071	WATER LEVEL MEASUREMENT CONDITIONS ALPHA-NUM CODE
84072	WATER LEVEL MEASUREMENT METHOD ALPHA-NUMERIC CODE
84078	GIARDIA LAMBLIA, 2HSO4 OR SUC GRAD, MICRO, CODE
84079	BACTERIA, CELLUOLYTIC, AEROBIC-ANAEROBIC, RT 5-7, CODE
84080	BACTERIA, HYDROCARBONOCLASTIC, SHAKE INC 32C/WK, CODE
84081	YERSINIA ENTEROCOLITICA, SB BROTH, MAC AGAR,22C, CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84082	SALMONELLA/SHIGELLA, QUANT OR QUAL, HVF OR SWAB, CODE
84085	ORGANICS, VOLATILE, DETECTED, NUMERIC CODE, CODE
84086	MACROINVERTEBRATE SPECIES NUMERIC CODE
84087	MACROINVERTEBRATE HABITAT CODE
84088	BIOLOGY 1 MACROINVERTEBRATE CODE
84089	BIOLOGY 2 MACROINVERTEBRATE CODE
84094	PHYTOPLANKTON SPECIES CODE, NUMERIC
84095	PHYTOPLANKTON SPECIES CODE, ALPHA
84096	SEVERITY OF NON-PLANKTON ALGAE-MAT COVERAGE CODE
84097	LAGOON MOUTH CONDITION CODE
84098	COLOR OF NON-PLANKTONIC ALGAE CODE
84099	WATER - RELATIVE WATER LEVEL CODE
84100	SEX(1-MALE,2-FEMALE,3-MIXED,4-UNKNOWN) NUM CODE
84101	METAFORM, BENTHIC, ADULT(A), PUPAE(P), LARVAE(L) CODE
84105	OIL-SEPARATOR OBSERVATION ASSESS (0=DID NOT,1=DID)
84106	EVAPORAT/BED OBS ASSESS (0=DID NOT LOOK, 1=DID LOOK)
84107	AREA INSPECTION, VISUAL (0=DID NOT, 1=DID) CODE
84108	DRAIN FIELD INSPECTION ASSESS (0=DID NOT, 1=DID) CODE
84109	SLUDGE BUILD-UP IN WATER (0=DID NOT OBS, 1=OBS) CODE
84110	POND OBSERVATION ASSESS WATER (0=DID NOT, 1=DID) CODE
84111	LITHOLOGIC MODIFIER CODE
84113	WELL INTAKE FINISH CODE
84114	WELL CASING MATERIAL CODE
84115	TYPE OF MATERIAL FROM WHICH OPENING IS MADE CODE
84116	DRILLING FLUID CODE
84117	TYPE OF SURFACE SEAL CODE
84118	METHOD OF DEVELOPMENT CODE
84120	PACKING MATERIAL CODE
84124	METHOD OF EVACUTAION CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84125	METHOD OF WATER-LEVEL MEASUREMENT CODE
84130	OUTFALL OBSERVATION, VISUAL, Y=YES N=NO CODE
84131	SAMPLING METHOD, CONFIDENCE CODE (A,B,C,D) CODE
84132	STREAMBANK, VEGETATIVE STABILITY RATING CODE
84133	STREAMBANK, STABILITY (BANK EROSION) RATING CODE
84134	PARTICLES, DEGREE SURROUNDED BY FINE SEDIMENT, CODE
84135	STREAMSIDE, (SHORELINE) COVER RATING CODE
84136	CANOPY TYPE CODE
84137	CHANNEL STABILITY RATING CODE (E,G,F,P) CODE
84138	COLIFORM, TOTAL, WATER, WHOLE, MPN, PRES=1, ABSNT=2, CODE
84139	ENTEROBACTER AGGLOMERANS, WTR, MF, PRES=1, ABSNT=2, CODE
84140	KLEBSIELLA PNEUMONIAE, WTR, WH, MF, PRES=1, ABSNT=2, CODE
84143	WELL, PURGING CONDITION CODE
84144	WELL, SELECTION CRITERIA CODE
84145	PROJECT COMPONENT CODE
84146	LAND USE, PREDOMINANT, WITHIN 100 FT OF WELL, CODE
84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE
84148	LAND USE, PREDMNT., FRAC., WITHIN 1/4 MI OF WELL, CODE
84149	LAND USE, CHANGE, LAST 10 YRS, WITHIN 1/4MI WELL, CODE
84150	HABITAT QUALITY INDEX RATING CODE
84151	AQUATIC LIFE, USE CLASSES CODE
84152	STREAM, STAGE CLASS CODE
84153	STREAMBANKS, GRAZING DAMAGE CODE
84154	CHANNEL, MAJOR ALTERATIONS CODE
84155	RIFFLE/RUNS, OCCURRENCE CODE
84156	POOL, DESCRIPTION CODE
84157	SANDBARS, LARGE, OCCURRENCE CODE
84158	LAND USE, NEAR STREAM, PREDOMINANT CODE
84159	STREAM,COVER (INSTREAM SHELTER FOR ADULT FISH), CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84160	STREAM, DEGRADATION RATING CODE
84161	STREAM, ORDER CODE
84162	LAND RESOURCE AREA CODE
84163	FLOW, STREAM, CLASSIFICATION CODE
84165	DISCHARGE EVENT OBSERVATION, YES=1 NO=0, CODE
84166	STORM HYDROGRAPH, DIRECTION, (RISE,FALL), CODE
84167	MICROSCOPIC EXAMINATION CODE
84168	AVIAN SPECIES ALPHA CODE (BIRDS)
84169	MAMMALIAN ALPHA SPECIES CODE
84170	ALPHA AGE TEXT CODE
84200	LATITUDE/LONGITUDE COORDINATES OF WELL, METHOD CODE
84201	NATIONAL REFERENCE DATUM, ALTITUDE(VERTICAL) CODE
84202	ALTITUDE METHOD CODE
85000	STREAM MILE, ACTUAL MILES
85014	HABITAT, 1970 ACRES THIS TYPE FOR THIS STATION
85015	HAB., ESTIMATED ACRES THIS TYPE THIS STATION
85016	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 1990
85017	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 2000
85018	TYPE CODES: 1=CLEAR CUT/2=SELECT CUT/3=RNGE DEVLP
85019	ACRES, NO. ALTERED FROM 1965-1970 (0-5 YEARS OLD)
85020	ACRES, NO. ALTERED 1960-1965 (5-10 YEARS OLD)
85021	ACRES, NO. ALTERED 1955-1960 (10-15 YEARS OLD)
85022	ACRES, NO. ALTERED 1950-1955 (15-20 YEARS OLD)
85023	ACRES, NO. ALTERED BEFORE 1950 (20+ YEARS OLD)
85024	ACRES,PREDICTED YRLY.AVE.TO BE ALTERED IN FUTURE
85025	LANDOWNERS, CODES FOR ALL IN STATE OF OREGON
85026	ACRES, CURRENT OWNED THIS LANDOWNER THIS STATION
85027	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1980
85028	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1990

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85029	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 2000
85030	LAND USES, CODES FOR ALL IN STATE OF OREGON
85031	ACRES, CURRENT DEDICATED TO THIS USE THIS STATION
85032	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1980
85033	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1990
85034	ACRES, ESTM. DEDICTD TO THIS USE BY YR.2000 --STA.
85035	HAB., INDICATED ANIMAL USES THIS TYPE IN WINTER
85036	HAB., INDICATED ANIMAL USES THIS TYPE IN SPRING
85037	HAB., INDICATED ANIMAL USES THIS TYPE IN SUMMER
85038	HAB., INDICATED ANIMAL USES THIS TYPE IN FALL
85039	HAB., INDICATED ANML USES THIS TYPE FOR WINTERING
85040	HAB., INDICATED ANML USES THIS TYPE FOR FEEDING
85041	HAB., INDICATED ANML USES TYPE FOR REARING YOUNG
85042	HAB., INDICATED BIRD USES THIS TYPE FOR NESTING
85043	HAB., INDICATED ANML USES THIS TYPE FOR SHELTER
85044	HAB., INDICATED ANML USES THIS TYPE FOR REST AREA
85045	ANML, SHOWS PRESENCE/ABSNC OF COMMENTS ON THIS ANML
85046	HAB.,ACRES OCCUPIED BY THIS ANML THIS UNIT & CO.
85050	ANIMALS ARE NOT PRESENT THIS STATION
85051	ANIMALS, ONLY A FEW ARE PRESENT THIS STATION
85052	ANIMALS COMMONLY SEEN; USE MODERATE THIS STATION
85053	ANIMALS FREQUENTLY SEEN; USE HEAVY THIS STATION
85070	OWNERSHIP (.1) AND ACCESS (.2) BY YEAR
85071	PRIVATE OWNERSHIP AND ACCESS MILEAGE
85072	FEDERAL OWNERSHIP AND ACCESS MILEAGE
85073	STATE OWNERSHIP AND ACCESS MILEAGE
85074	COUNTY OWNERSHIP AND ACCESS MILEAGE
85075	CITY OWNERSHIP AND ACCESS MILEAGE
85076	WATER YEAR DATA REFERS TO

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85077	CALENDAR YEAR DATA REFERS TO
85088	MONTHS POLLUTION IS A PROBLEM JAN THRU JUNE
85089	MONTHS POLLUTION IS A PROBLEM JULY TO DECEMBER
85090	MAN-CAUSED CHANNEL CHANGE IN MILES
85091	STREAM BANK HABITAT DESTROYED IN MILES
85092	STREAMBED SILTED IN MILES
85093	TURBIDITY PROBLEM IN MILES
85094	SEVERITY: 1=ELIMINATES 2=INTERFERES 3=NO PROBLEM
85095	DURATION OF TURBIDITY PROBLEM IN MONTHS
85096	SEASON OF NATURAL DRY CHANNEL 1=SP 2=SU 3=F 4=W
85097	NATURAL DRY CHANNEL IN MILES
85098	MAN-CAUSED DRY CHANNEL SEASON 1=SP 2=SU 3=F 4=W
85099	MAN-CAUSED DRY CHANNEL IN MILES
85100	YEAR BARRIER IS PRESENT
85101	NUMBER OF NATURAL BARRIERS
85102	MILES BLOCKED BY NATURAL BARRIERS
85103	NUMBER OF NATURAL BARRIERS TO BE REMOVED
85104	NUMBER OF DAMS AND MAN CAUSED OBSTRUCTIONS
85105	MILES BLOCKED BY DAMS OR MAN CAUSED OBSTRUCTIONS
85106	NUMBER OF DAMS TO BE ALTERED
85107	MILES OF STREAM OCCUPIED BY IMPOUNDMENT
85108	LOWER END OF SECTION COVERED BY THIS FORM
85109	UPPER END OF SECTION COVERED BY THIS FORM
85110	LOWER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85111	UPPER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85112	STREAM SURVEY:1=COMPLETE 2=INCOMPLETE 3=NONE
85113	ABUNDANCE: 1=FSHWY/TAG&R 2=SURVEY 3=EST PLUS 4=EST
85114	ABUNDANCE: N=S&ST 1=ABUNDANT 4=SCARCE RGH FSH 3=SCARCE
85116	SQUARE YARDS OF SPAWNING AREA IN 1970

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85117	SQUARE YARDS OF SPAWNING AREA IN 1980
85118	SQUARE YARDS OF SPAWNING AREA IN 1990
85119	SQUARE YARDS OF SPAWNING AREA IN 2000
85120	MILES OF REARING AREA IN 1970
85121	MILES OF REARING AREA IN 1980
85122	MILES OF REARING AREA IN 1990
85123	MILES OF REARING AREA IN 2000
85124	CATCH BY SPORT ANGLING IN 1970
85125	RECREATION DAYS SPENT ANGLING IN 1970
85126	RECREATION DAYS SPENT ANGLING IN 1980
85127	RECREATION DAYS SPENT ANGLING IN 1990
85128	RECREATION DAYS SPENT ANGLING IN 2000
85129	CONTRIBUTION TO COMMERCIAL CATCH IN 1970
85130	PERCENT OF TOTAL FISHING DONE FROM BOAT IN 1970
85131	PERCENT OF TOTAL FISHING DONE FROM BANK IN 1970
85132	PERCENT OF TOTAL FISHING DONE WITH LURE IN 1970
85133	PERCENT OF TOTAL FISHING DONE WITH BAIT IN 1970
85134	PERCENT OF TOTAL FISHING DONE WITH A FLY IN 1970
85146	YEAR THIS FACTOR HAS A LIMITING EFFECT
85157	MAN DAYS OF WATER SKIING
85158	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85159	MAN DAYS OF BOATING OTHER THAN ANGLING
85160	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85161	MAN DAYS OF SWIMMING
85162	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85163	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NOT PRESENT
85165	NUMBER OF MONTHS SUSPENDED SOLIDS ARE A PROBLEM
85167	NUMBER OF MONTHS PLANKTON IS A PROBLEM
85168	1=ELIMINATE PROD 2=REDUCE 3=NO INTER. 4=NOT PRES

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85169	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85170	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85171	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85172	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85173	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85174	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85175	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85176	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85177	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85178	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85179	YEAR THIS NUMBER OF FACILITIES PRESENT
85180	NUMBER OF BOAT RAMPS
85181	NUMBER OF MOORAGES
85182	NUMBER OF PICNIC AREAS
85183	NUMBER OF CAMP AREAS
85184	NUMBER OF RESORTS
85185	YEAR THIS ZONED AREA PRESENT
85186	ACRES SET ASIDE FOR OTHER BOATING
85187	ACRES SET ASIDE FOR WATER SKIING
85188	MILES OF SHORE LOST TO ACCESS BY HOME SITES
85189	TOTAL MILES OF SHORELINE
85193	WILL RECR BE INC BY RELEASE OF FINGERL 0=NO 1=YES
85195	CATCH AND RECREATION ESTIMATE 1=BEST 4=POOREST
85333	PRECIPITATION-SAMPLE COLLECTION TIME-CODE- NES
85538	GAMMA SCAN DATE (YR,MO,DAY)
85539	DATE OF REPORT (YR,MO,DAY)
85658	TIME NIGHT CO2 HR
85661	TIME, INTERVAL DAY CO2 HR

Appendix F

National EPA Water Quality Criteria Summary[1]

The following table presents the national water quality criteria that were used to assess water quality data on a station-by-station basis and within the entire study area. Criteria are, for the most part, maximum values (except for dissolved oxygen, pH, and as noted). Criteria exist in any of four categories: Fresh Acute, Drinking Water, Marine Acute, and Other. Acute criteria are the highest 1-hour average concentrations which should not result in unacceptable impacts to aquatic organisms in either fresh or marine waters, respectively. The Drinking Water criteria are intended for human consumption; while the Other criteria represents National Park Service or other concerns. Parameters are listed in ascending order by STORET code. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to obtain the criteria for all parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	00070				50[t]	TURBIDITY, JACKSON CANDLE UNITS	JTU	Physical
	00076				50[t]	TURBIDITY, HACH TURBIDIMETER, FORMAZIN TUR. UNITS	FTU	Physical
14808798	00154		250[s]			SULFATE (AS S) WHOLE WATER	MG/L	General Inorganic
7782447	00299				4.0[u]	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	MG/L	Dissolved Oxygen
7782447	00300				4.0[u]	OXYGEN, DISSOLVED	MG/L	Dissolved Oxygen
	00400				≤6.5, ≥9.0[#]	PH	SU	Physical
	00403				≤6.5, ≥9.0[#]	PH, LAB	SU	Physical
	00406				≤6.5, ≥9.0[#]	PH, FIELD	SU	Physical

[1]Sources: (1) U.S. Environmental Protection Agency, Quality Criteria for Water 1995, Final Draft; (2) U.S. Environmental Protection Agency, 40 CFR 141 - National Primary Drinking Water Regulations, and 40 CFR 143 - National Secondary Drinking Water Regulations, July 1, 1994; and (3) Others as Noted in Footnotes.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
471341	00409				<200[=]	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS	UEQ/L	General Inorganic
17778880	00613		1			NITRITE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00615		1			NITRITE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00618		10			NITRATE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00620		10			NITRATE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00628		10			NITRITE + NITRATE, SUSPENDED AS N	MG/L	Nitrogen
17778880	00630		10			NITRITE PLUS NITRATE, TOTAL 1 DET.	MG/L	Nitrogen
17778880	00631		10			NITRITE PLUS NITRATE, DISSOLVED 1 DET.	MG/L	Nitrogen
57125	00718	22	200	1.0		CYANIDE, WEAK ACID, DISSOCIABLE, WATER, WHOLE	UG/L	General Inorganic
57125	00719	22	200	1.0		CYANIDE, FREE,IN WATER&WASTEWATERS, HBG METHOD	UG/L	General Inorganic
57125	00720	0.022	0.2	0.001		CYANIDE, TOTAL	MG/L	General Inorganic
57125	00722	0.022	0.2	0.001		CYANIDE, FREE (AMENABLE TO CHLORINATION)	MG/L	General Inorganic
57125	00723	22	200	1.0		CYANIDE, DISSOLVED STD METHOD	UG/L	General Inorganic
57125	00724	22	200	1.0		CYANIDE COMPLEXED TO A RANGE OF COMPNDS, WATER	UG/L	General Inorganic
16887006	00940	860	250[s]			CHLORIDE,TOTAL IN WATER	MG/L	General Inorganic
16887006	00941	860	250[s]			CHLORIDE, DISSOLVED IN WATER	MG/L	General Inorganic
14808798	00945		250[s]			SULFATE, TOTAL (AS SO4)	MG/L	General Inorganic
14808798	00946		250[s]			SULFATE, DISSOLVED (AS SO4)	MG/L	General Inorganic
1332214	00948		7000000			ASBESTOS, WHOLE SAMPLE	CNT/L	General Inorganic
16984488	00950		4.0			FLUORIDE, DISSOLVED AS F	MG/L	General Inorganic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
16984488	00951		4.0			FLUORIDE, TOTAL AS F	MG/L	General Inorganic
7782414	00953		4000			FLUORINE, TOTAL	UG/L	General Inorganic
7440382	00978	360	50	69		ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	UG/L	Metal
7782492	00981	20	50	300		SELENIUM,TOTAL RECOVERABLE IN WATER AS SE	UG/L	Metal
7440280	00982	1400*	2.0	2130*		THALLIUM, TOTAL RECOVERABLE IN WATER AS TL	UG/L	Metal
7782492	00990	20	50	300		SELENITE, TOTAL RECOVERABLE INORGANIC	UG/L	Metal
7440382	00991	360	50	69		ARSENIC, TOTAL RECOVERABLE TRIVALENT INORGANIC	UG/L	Metal
7440382	00995	360	50	69		ARSENIC, INORGANIC DISS	UG/L	Metal
7440382	00996	360	50	69		ARSENIC, INORGANIC SUSP	UG/L	Metal
7440382	00997	360	50	69		ARSENIC, INORGANIC TOT	UG/L	Metal
7440417	00998	130*	4.0			BERYLLIUM,TOTAL RECOVERABLE IN WATER AS BE	UG/L	Metal
7440382	01000	360	50	69		ARSENIC, DISSOLVED	UG/L	Metal
7440382	01001	360	50	69		ARSENIC, SUSPENDED	UG/L	Metal
7440382	01002	360	50	69		ARSENIC, TOTAL	UG/L	Metal
7440393	01005		2000			BARIUM, DISSOLVED	UG/L	Metal
7440393	01006		2000			BARIUM, SUSPENDED	UG/L	Metal
7440393	01007		2000			BARIUM, TOTAL	UG/L	Metal
7440393	01009		2000			BARIUM,TOTAL RECOVERABLE IN WATER AS BA	UG/L	Metal
7440417	01010	130*	4.0			BERYLLIUM, DISSOLVED	UG/L	Metal
7440417	01011	130*	4.0			BERYLLIUM, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440417	01012	130*	4.0			BERYLLIUM, TOTAL	UG/L	Metal
7440439	01025	3.9+	5.0	43		CADMIUM, DISSOLVED	UG/L	Metal
7440439	01026	3.9+	5.0	43		CADMIUM, SUSPENDED	UG/L	Metal
7440439	01027	3.9+	5.0	43		CADMIUM, TOTAL	UG/L	Metal
7440473	01030		100			CHROMIUM, DISSOLVED	UG/L	Metal
7440473	01031		100			CHROMIUM, SUSPENDED	UG/L	Metal
7440473	01032	16	100	1100		CHROMIUM, HEXAVALENT	UG/L	Metal
16065831	01033	1700+	100	10300*		CHROMIUM, TRI-VAL	UG/L	Metal
7440473	01034		100			CHROMIUM, TOTAL	UG/L	Metal
7440508	01040	18+	1300a	2.9		COPPER, DISSOLVED	UG/L	Metal
7440508	01041	18+	1300a	2.9		COPPER, SUSPENDED	UG/L	Metal
7440508	01042	18+	1300a	2.9		COPPER, TOTAL	UG/L	Metal
7439921	01049	82+	15a	220		LEAD, DISSOLVED	UG/L	Metal
7439921	01050	82+	15a	220		LEAD, SUSPENDED	UG/L	Metal
7439921	01051	82+	15a	220		LEAD, TOTAL	UG/L	Metal
7440280	01057	1400*	2.0	2130*		THALLIUM, DISSOLVED	UG/L	Metal
7440280	01058	1400*	2.0	2130*		THALLIUM, SUSPENDED	UG/L	Metal
7440280	01059	1400*	2.0	2130*		THALLIUM, TOTAL	UG/L	Metal
7440020	01065	1400+	100	75		NICKEL, DISSOLVED	UG/L	Metal
7440020	01066	1400+	100	75		NICKEL, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	01067	1400[+]	100	75		NICKEL, TOTAL	UG/L	Metal
7440020	01074	1400[+]	100	75		NICKEL, TOTAL RECOVERABLE IN WATER AS NI	UG/L	Metal
7440224	01075	4.1[+]	100[s]	0.12		SILVER, DISSOLVED	UG/L	Metal
7440224	01076	4.1[+]	100[s]	0.12		SILVER, SUSPENDED	UG/L	Metal
7440224	01077	4.1[+]	100[s]	0.12		SILVER, TOTAL	UG/L	Metal
7440224	01079	4.1[+]	100[s]	0.12		SILVER, TOTAL RECOVERABLE IN WATER AS AG	UG/L	Metal
7440508	01089	0.018[+]	1.3[a]	0.0029		COPPER AS SUSPENDED BLACK OXIDE IN WATER	MG/L	General Inorganic
7440666	01090	120[+]	5000[s]	95		ZINC, DISSOLVED	UG/L	Metal
7440666	01091	120[+]	5000[s]	95		ZINC, SUSPENDED	UG/L	Metal
7440666	01092	120[+]	5000[s]	95		ZINC, TOTAL	UG/L	Metal
7440666	01094	120[+]	5000[s]	95		ZINC, TOTAL RECOVERABLE IN WATER AS ZN	UG/L	Metal
7440360	01095	88[p]	6.0	1500[p]		ANTIMONY, DISSOLVED	UG/L	Metal
7440360	01096	88[p]	6.0	1500[p]		ANTIMONY, SUSPENDED	UG/L	Metal
7440360	01097	88[p]	6.0	1500[p]		ANTIMONY, TOTAL	UG/L	Metal
7440439	01113	3.9[+]	5.0	43		CADMIUM,TOTAL RECOVERABLE IN WATER AS CD	UG/L	Metal
7439921	01114	82[+]	15[a]	220		LEAD, TOTAL RECOVERABLE IN WATER AS PB	UG/L	Metal
7440473	01118		100			CHROMIUM TOTAL RECOVERABLE IN WATER AS CR	UG/L	Metal
7440508	01119	18[+]	1300[a]	2.9		COPPER, TOTAL RECOVERABLE IN WATER AS CU	UG/L	Metal
7440280	01124	1400[*]	2.0	2130[*]		THALLIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
7440280	01128	1400[*]	2.0	2130[*]		THALLIUM, TOTAL RECOVERABLE <95%	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	01145	20	50	300		SELENIUM, DISSOLVED	UG/L	Metal
7782492	01146	20	50	300		SELENIUM, SUSPENDED	UG/L	Metal
7782492	01147	20	50	300		SELENIUM, TOTAL	UG/L	Metal
7782492	01167	20	50	300		SELENIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
18540299	01220	16	100	1100		CHROMIUM, HEXAVALENT, DISSOLVED	UG/L	Metal
7440360	01268	88[p]	6.0	1500[p]		ANTIMONY (SB), WATER, TOTAL RECOVERABLE	UG/L	Metal
57125	01291	22	200	1.0		CYANIDE, FILTERABLE, TOTAL IN WATER	UG/L	General Inorganic
7440666	01303	0.120[+]	5.0[s]	0.095		ZINC, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440224	01304	0.0041[+]	0.1[s]	0.00012		SILVER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440508	01306	0.018[+]	1.3[a]	0.0029		COPPER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
18540299	01307	0.016	0.1	1.1		CHROMIUM, HEXAVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7440382	01309	0.36	0.05	0.069		ARSENIC, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440393	01311		2.0			BARIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440417	01312	0.13[*]	0.004			BERYLLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440439	01313	0.0039[+]	0.005	0.043		CADMIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
16065831	01314	1.7[+]	0.1	10.3[*]		CHROMIUM, TRIVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7439921	01318	0.082[+]	0.015[a]	0.220		LEAD, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7439976	01321	0.0024	0.002	0.0021		MERCURY, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440020	01322	1.4[+]	0.1	0.075		NICKEL, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7782492	01323	0.020	0.050	0.300		SELENIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440280	01324	1.4*	0.002	2.13*		THALLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440611	01326		0.020c			URANIUM, POTENTIALLY DISSOLVED, WATER	MG/L	Metal
7440224	01523	4.1+	100s	0.12		SILVER, IONIC	UG/L	Metal
50328	03648		0.2			BENZO (A) PYRENE, LIQUID FRACTION, ELUTRIATE	UG/L	General Organic
122349	04035		4.0			SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
10028178	04124		20r			TRITIUM, TOTAL, WATER	PC/ML	Radiological
10028178	07000		20000r			TRITIUM, TOTAL	PC/L	Radiological
10028178	07005		20000r			TRITIUM, DISSOLVED	PC/L	Radiological
10028178	07010		20000r			TRITIUM, SUSPENDED	PC/L	Radiological
	09501		5.0			RADIUM 226, TOTAL	PC/L	Radiological
	09503		5.0			RADIUM 226, DISSOLVED	PC/L	Radiological
	09505		5.0			RADIUM 226, SUSPENDED	PC/L	Radiological
	11500		5.0			RADIUM 226 + RADIUM 228, DISSOLVED	PC/L	Radiological
	11501		5.0			RADIUM 228, TOTAL	PC/L	Radiological
	11503		5.0			RADIUM 226 + RADIUM 228, TOTAL	PC/L	Radiological
10098972	13501		8.0r			STRONTIUM 90, TOTAL	PC/L	Radiological
10098972	13503		8.0r			STRONTIUM 90, DISSOLVED	PC/L	Radiological
10098972	13505		8.0r			STRONTIUM 90, SUSPENDED	PC/L	Radiological
7782492	22675	20	50	300		SELENIUM, DISSOLVED ORGANIC	UG/L	Metal
7782492	22676	20	50	300		SELENIUM, HEXAVALENT, DISSOLVED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	22677	20	50	300		SELENIUM, TETRAVALENT, DISSOLVED	UG/L	Metal
7440382	22678	360	50	69		ARSENIC, DISSOLVED ORGANIC	UG/L	Metal
7440382	22679	850*	50	2319*		ARSENIC, PENTAVALENT,DISSOLVED	UG/L	Metal
7440382	22680	360	50	69		ARSENIC, TRIVALENT, DISSOLVED	UG/L	Metal
7440611	22703		20c			URANIUM, NATURAL DISSOLVED	UG/L	Metal
7440611	22705		20c			URANIUM, NATURAL SUSPENDED	UG/L	Metal
7440611	22706		20c			URANIUM, TOTAL AS U308	UG/L	Metal
7440611	22708		0.020c			URANIUM, NATURAL, TOTAL	MG/L	Radiological
7440611	28011		20c			URANIUM, NATURAL, TOTAL	UG/L	Radiological
88857	30191		7.0			DINOSEB, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
75990	30200		200			DALAPON, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
106934	30203		0.05			ETHANE, 1,2-DIBROMO-, WATER, WHOLE, RECOVERABLE	UG/L	Pesticide
	31501		1.0n		1000b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	CFU/100ML	Bacteriological
	31503		1.0n		1000b	COLIFORM, TOTAL, MEMBRANE FILTER, DELAY. M-ENDO	CFU/100ML	Bacteriological
	31504		1.0n		1000b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED. LES-ENDO	CFU/100ML	Bacteriological
	31505		1.0n		1000b	COLIFORM, TOTAL, MPN, CONF. TEST 35C (TUBE 31506)	MPN/100ML	Bacteriological
	31506		1.0n		1000b	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31507		1.0n		1000b	COLIFORM, TOTAL, MPN, COMP. TEST 35C (TUBE 31508)	MPN/100ML	Bacteriological
	31508		1.0n		1000b	COLIFORM, TOTAL, MPN, COMP. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31613				200^	FECAL COLIFORM, MEMBRANE FILTER, AGAR	CFU/100ML	Bacteriological

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	31614				200^	FECAL COLIFORM, MPN, TUBE CONFIGURATION	MPN/100ML	Bacteriological
	31615				200^	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	MPN/100ML	Bacteriological
	31616				200^	FECAL COLIFORM, MEMBRANE FILTER, BROTH, 44.5C	CFU/100ML	Bacteriological
	31617				200^	FECAL COLIFORM, MPN, EIJKMAN, 44.5C (TUBE 31618)	MPN/100ML	Bacteriological
	31625				200^	FECAL COLIFORM, MF, M-FC, 0.7 UM	CFU/100ML	Bacteriological
	31648				126^	E. COLI, MTEC, MF	CFU/100ML	Bacteriological
	31649				33^	ENTEROCOCCI, ME, MF	CFU/100ML	Bacteriological
67663	32003	28900*	100[t]			CARBON CHLOROFORM AND CARBON ALCOHOL EXTRS.,TOTAL	UG/L	General Organic
67663	32005	28900*	100[t]			CARBON CHLOROFORM EXTRACTABLES	UG/L	General Organic
67663	32021	28900*	100[t]			CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLES OF	UG/L	General Organic
67663	32022	28900*	100[t]			CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES OF	UG/L	General Organic
75274	32101		100[t]			BROMODICHLOROMETHANE, WHOLE WATER	UG/L	General Organic
56235	32102	35200*	5.0	50000*		CARBON TETRACHLORIDE, WHOLE WATER	UG/L	General Organic
107062	32103	118000*	5.0	113000*		1,2-DICHLOROETHANE,WHOLE WATER	UG/L	General Organic
75252	32104		100[t]			BROMOFORM, WHOLE WATER	UG/L	General Organic
124481	32105		100[t]			DIBROMOCHLOROMETHANE, WHOLE WATER	UG/L	General Organic
67663	32106	28900*	100[t]			CHLOROFORM, WHOLE WATER	UG/L	General Organic
56235	32260	35.2*	0.005	50*		CARBON TETRACHLORIDE EXTRACTABLES	MG/L	General Organic
67663	32270	28.9*	0.1[t]			CHLOROFORM EXTRACTABLES TOTAL	MG/L	General Organic
108883	34010	17500*	1000	6300*		TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
1330207	34020		10000			XYLENES IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic
83329	34205	1700*		970*		ACENAPHTHENE, TOTAL	UG/L	General Organic
83329	34206	1700*		970*		ACENAPHTHENE, DISSOLVED	UG/L	General Organic
83329	34207	1700*		970*		ACENAPHTHENE, SUSPENDED	UG/L	General Organic
107028	34210	68*		55*		ACROLEIN, TOTAL	UG/L	Pesticide
107028	34211	68*		55*		ACROLEIN, DISSOLVED	UG/L	Pesticide
107028	34212	68*		55*		ACROLEIN, SUSPENDED	UG/L	Pesticide
107131	34215	7550*				ACRYLONITRILE, TOTAL	UG/L	General Organic
107131	34216	7550*				ACRYLONITRILE, DISSOLVED	UG/L	General Organic
107131	34217	7550*				ACRYLONITRILE, SUSPENDED	UG/L	General Organic
71432	34235	5300*	5.0	5100*		BENZENE, DISSOLVED	UG/L	General Organic
71432	34236	5300*	5.0	5100*		BENZENE, SUSPENDED	UG/L	General Organic
92875	34239	2500*				BENZIDINE, DISSOLVED	UG/L	General Organic
92875	34240	2500*				BENZIDINE, SUSPENDED	UG/L	General Organic
58899	34265	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, DISSOLVED	UG/L	Pesticide
58899	34266	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, SUSPENDED	UG/L	Pesticide
75252	34288		100[t]			BROMOFORM, DISSOLVED	UG/L	General Organic
75252	34289		100[t]			BROMOFORM, SUSPENDED	UG/L	General Organic
56235	34297	35200*	5.0	50000*		CARBON TETRACHLORIDE, DISSOLVED	UG/L	General Organic
56235	34298	35200*	5.0	50000*		CARBON TETRACHLORIDE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108907	34301		100			CHLOROBENZENE, TOTAL	UG/L	General Organic
108907	34302		100			CHLOROBENZENE, DISSOLVED	UG/L	General Organic
108907	34303		100			CHLOROBENZENE, SUSPENDED	UG/L	General Organic
124481	34306		100[t]			CHLORODIBROMOMETHANE, TOTAL	UG/L	General Organic
124481	34307		100[t]			CHLORODIBROMOMETHANE, DISSOLVED	UG/L	General Organic
124481	34308		100[t]			CHLORODIBROMOMETHANE, SUSPENDED	UG/L	General Organic
67663	34316	28900[*]	100[t]			CHLOROFORM, DISSOLVED	UG/L	General Organic
67663	34317	28900[*]	100[t]			CHLOROFORM, SUSPENDED	UG/L	General Organic
57125	34325	0.022	0.2	0.001		CYANIDE, SUSPENDED	MG/L	General Inorganic
75274	34328		100[t]			DICHLOROBROMOMETHANE, DISSOLVED	UG/L	General Organic
75274	34329		100[t]			DICHLOROBROMOMETHANE, SUSPENDED	UG/L	General Organic
122667	34346	270[*]				1,2-DIPHENYLHYDRAZINE, TOTAL	UG/L	General Organic
122667	34347	270[*]				1,2-DIPHENYLHYDRAZINE, DISSOLVED	UG/L	General Organic
122667	34348	270[*]				1,2-DIPHENYLHYDRAZINE, SUSPENDED	UG/L	General Organic
33213659	34356	0.22		0.034		ENDOSULFAN, BETA, TOTAL	UG/L	Pesticide
33213659	34357	0.22		0.034		ENDOSULFAN, BETA, DISSOLVED	UG/L	Pesticide
33213659	34358	0.22		0.034		ENDOSULFAN, BETA, SUSPENDED	UG/L	Pesticide
959988	34361	0.22		0.034		ENDOSULFAN, ALPHA, TOTAL	UG/L	Pesticide
959988	34362	0.22		0.034		ENDOSULFAN, ALPHA, DISSOLVED	UG/L	Pesticide
959988	34363	0.22		0.034		ENDOSULFAN, ALPHA, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
100414	34371	32000*	700	430*		ETHYLBENZENE, TOTAL	UG/L	General Organic
100414	34372	32000*	700	430*		ETHYLBENZENE, DISSOLVED	UG/L	General Organic
100414	34373	32000*	700	430*		ETHYLBENZENE, SUSPENDED	UG/L	General Organic
206440	34376	3980*		40*		FLUORANTHENE, TOTAL	UG/L	General Organic
206440	34377	3980*		40*		FLUORANTHENE, DISSOLVED	UG/L	General Organic
206440	34378	3980*		40*		FLUORANTHENE, SUSPENDED	UG/L	General Organic
77474	34386	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, TOTAL	UG/L	General Organic
77474	34387	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, DISSOLVED	UG/L	General Organic
77474	34388	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, SUSPENDED	UG/L	General Organic
87683	34391	90*		32*		HEXACHLOROBUTADIENE, TOTAL	UG/L	General Organic
87683	34392	90*		32*		HEXACHLOROBUTADIENE, DISSOLVED	UG/L	General Organic
87683	34393	90*		32*		HEXACHLOROBUTADIENE, SUSPENDED	UG/L	General Organic
67721	34396	980*		940*		HEXACHLOROETHANE, TOTAL	UG/L	General Organic
67721	34397	980*		940*		HEXACHLOROETHANE, DISSOLVED	UG/L	General Organic
67721	34398	980*		940*		HEXACHLOROETHANE, SUSPENDED	UG/L	General Organic
118741	34401	6.0[p]	1.0			HEXACHLOROBENZENE, DISSOLVED	UG/L	General Organic
118741	34402	6.0[p]	1.0			HEXACHLOROBENZENE, SUSPENDED	UG/L	General Organic
193395	34403		0.40[c]			INDENO (1,2,3-CD) PYRENE, TOTAL	UG/L	General Organic
193395	34404		0.40[c]			INDENO (1,2,3-CD) PYRENE, DISSOLVED	UG/L	General Organic
193395	34405		0.40[c]			INDENO (1,2,3-CD) PYRENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
78591	34408	117000*		12900*		ISOPHORONE, TOTAL	UG/L	Pesticide
78591	34409	117000*		12900*		ISOPHORONE, DISSOLVED	UG/L	Pesticide
78591	34410	117000*		12900*		ISOPHORONE, SUSPENDED	UG/L	Pesticide
75092	34423		5.0			METHYLENE CHLORIDE, TOTAL	UG/L	General Organic
75092	34424		5.0			METHYLENE CHLORIDE, DISSOLVED	UG/L	General Organic
75092	34425		5.0			METHYLENE CHLORIDE, SUSPENDED	UG/L	General Organic
91203	34443	2300*		2350*		NAPHTHALENE, DISSOLVED	UG/L	General Organic
91203	34444	2300*		2350*		NAPHTHALENE, SUSPENDED	UG/L	General Organic
98953	34447	27000*		6680*		NITROBENZENE, TOTAL	UG/L	General Organic
98953	34448	27000*		6680*		NITROBENZENE, DISSOLVED	UG/L	General Organic
98953	34449	27000*		6680*		NITROBENZENE, SUSPENDED	UG/L	General Organic
59507	34452	30*				PARACHLOROMETA CRESOL, TOTAL	UG/L	General Organic
59507	34453	30*				PARACHLOROMETA CRESOL, DISSOLVED	UG/L	General Organic
59507	34454	30*				PARACHLOROMETA CRESOL, SUSPENDED	UG/L	General Organic
87865	34459	20***	1.0	13		PCP (PENTACHLOROPHENOL), DISSOLVED	UG/L	Pesticide
87865	34460	20***	1.0	13		PCP (PENTACHLOROPHENOL), SUSPENDED	UG/L	Pesticide
85018	34461	30p		7.7p		PHENANTHRENE, TOTAL	UG/L	General Organic
85018	34462	30p		7.7p		PHENANTHRENE, DISSOLVED	UG/L	General Organic
85018	34463	30p		7.7p		PHENANTHRENE, SUSPENDED	UG/L	General Organic
108952	34466	10200*		5800*		PHENOL, DISSOLVED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108952	34467	10200*		5800*		PHENOL, SUSPENDED	UG/L	General Organic
127184	34475	5280*	5.0	10200*		TETRACHLOROETHYLENE, TOTAL	UG/L	General Organic
127184	34476	5280*	5.0	10200*		TETRACHLOROETHYLENE, DISSOLVED	UG/L	General Organic
127184	34477	5280*	5.0	10200*		TETRACHLOROETHYLENE, SUSPENDED	UG/L	General Organic
108883	34481	17500*	1000	6300*		TOLUENE, DISSOLVED	UG/L	General Organic
108883	34482	17500*	1000	6300*		TOLUENE, SUSPENDED	UG/L	General Organic
79016	34485	45000*	5.0	2000*		TRICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
79016	34486	45000*	5.0	2000*		TRICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
75014	34493		2.0			VINYL CHLORIDE, DISSOLVED	UG/L	General Organic
75014	34494		2.0			VINYL CHLORIDE, SUSPENDED	UG/L	General Organic
75354	34501		7.0			1,1-DICHLOROETHYLENE, TOTAL	UG/L	General Organic
75354	34502		7.0			1,1-DICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
75354	34503		7.0			1,1-DICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
71556	34506		200	31200*		1,1,1-TRICHLOROETHANE, TOTAL	UG/L	General Organic
71556	34507		200	31200*		1,1,1-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
71556	34508		200	31200*		1,1,1-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79005	34511		5.0			1,1,2-TRICHLOROETHANE, TOTAL	UG/L	General Organic
79005	34512		5.0			1,1,2-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
79005	34513		5.0			1,1,2-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79345	34516			9020*		1,1,2,2-TETRACHLOROETHANE, TOTAL	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
79345	34517			9020*		1,1,2,2-TETRACHLOROETHANE, DISSOLVED	UG/L	General Organic
79345	34518			9020*		1,1,2,2-TETRACHLOROETHANE, SUSPENDED	UG/L	General Organic
107062	34531	118000*	5.0	113000*		1,2-DICHLOROETHANE, TOTAL	UG/L	General Organic
107062	34532	118000*	5.0	113000*		1,2-DICHLOROETHANE, DISSOLVED	UG/L	General Organic
107062	34533	118000*	5.0	113000*		1,2-DICHLOROETHANE, SUSPENDED	UG/L	General Organic
95501	34536		600			1,2-DICHLOROBENZENE, TOTAL	UG/L	General Organic
95501	34537		600			1,2-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
95501	34538		600			1,2-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
78875	34541		5.0			1,2-DICHLOROPROPANE, TOTAL	UG/L	General Organic
78875	34542		5.0			1,2-DICHLOROPROPANE, DISSOLVED	UG/L	General Organic
78875	34543		5.0			1,2-DICHLOROPROPANE, SUSPENDED	UG/L	General Organic
156605	34546		100			TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER	UG/L	General Organic
156605	34547		100			TRANS-1,2-DICHLOROETHENE, DISSOLVED	UG/L	General Organic
156605	34548		100			TRANS-1,2-DICHLOROETHENE, SUSPENDED	UG/L	General Organic
120821	34551		70			1,2,4-TRICHLOROBENZENE, TOTAL	UG/L	General Organic
120821	34552		70			1,2,4-TRICHLOROBENZENE, DISSOLVED	UG/L	General Organic
120821	34553		70			1,2,4-TRICHLOROBENZENE, SUSPENDED	UG/L	General Organic
541731	34566		600			1,3-DICHLOROBENZENE, TOTAL	UG/L	General Organic
541731	34567		600			1,3-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
541731	34568		600			1,3-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
106467	34571		75			1,4-DICHLOROBENZENE, TOTAL	UG/L	General Organic
106467	34572		75			1,4-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
106467	34573		75			1,4-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
95578	34586	4380*				2-CHLOROPHENOL, TOTAL	UG/L	General Organic
95578	34587	4380*				2-CHLOROPHENOL, DISSOLVED	UG/L	General Organic
95578	34588	4380*				2-CHLOROPHENOL, SUSPENDED	UG/L	General Organic
120832	34601	2020*				2,4-DICHLOROPHENOL, TOTAL	UG/L	General Organic
120832	34602	2020*				2,4-DICHLOROPHENOL, DISSOLVED	UG/L	General Organic
120832	34603	2020*				2,4-DICHLOROPHENOL, SUSPENDED	UG/L	General Organic
105679	34606	2120*				2,4-DIMETHYLPHENOL, TOTAL	UG/L	General Organic
105679	34607	2120*				2,4-DIMETHYLPHENOL, DISSOLVED	UG/L	General Organic
105679	34608	2120*				2,4-DIMETHYLPHENOL, SUSPENDED	UG/L	General Organic
121142	34611	330*		590*		2,4-DINITROTOLUENE, TOTAL	UG/L	General Organic
121142	34612	330*		590*		2,4-DINITROTOLUENE, DISSOLVED	UG/L	General Organic
121142	34613	330*		590*		2,4-DINITROTOLUENE, SUSPENDED	UG/L	General Organic
72548	34651	0.6*		3.6*		P,P'-DDD, DISSOLVED	UG/L	Pesticide
72548	34652	0.6*		3.6*		P,P'-DDD, SUSPENDED	UG/L	Pesticide
72559	34653	1050*		14*		P,P'-DDE, DISSOLVED	UG/L	Pesticide
72559	34654	1050*		14*		P,P'-DDE, SUSPENDED	UG/L	Pesticide
50293	34655	1.1		0.13		P,P'-DDT, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
50293	34656	1.1		0.13		P,P'-DDT, SUSPENDED	UG/L	Pesticide
1746016	34675	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), TOT	UG/L	General Organic
1746016	34676	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), DISS	UG/L	General Organic
1746016	34677	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), SUSP	UG/L	General Organic
108952	34694	10200*		5800*		PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	UG/L	General Organic
91203	34696	2300*		2350*		NAPHTHALENE, TOTAL	UG/L	General Organic
75990	38432		200			DALAPON, WATER, TOTAL	UG/L	Pesticide
75990	38433		200			DALAPON, WATER, DISSOLVED	UG/L	Pesticide
75990	38434		200			DALAPON, WATER, SUSPENDED	UG/L	Pesticide
96128	38437		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL	UG/L	Pesticide
96128	38438		0.2			DIBROMOCHLOROPROPANE, WATER, DISSOLVED	UG/L	Pesticide
96128	38439		0.2			DIBROMOCHLOROPROPANE WATER, SUSPENDED	UG/L	Pesticide
96128	38760		0.2			DBCP, WATER, TOTAL	UG/L	Pesticide
96128	38761		0.2			DBCP, WATER, DISSOLVED	UG/L	Pesticide
96128	38762		0.2			DBCP, WATER, SUSPENDED	UG/L	Pesticide
88857	38779		7.0			DINOSEB, DISSOLVED	UG/L	Pesticide
88857	38780		7.0			DINOSEB, SUSPENDED	UG/L	Pesticide
23135220	38865		200			OXAMYL, TOTAL	UG/L	Pesticide
23135220	38866		200			OXAMYL, DISSOLVED	UG/L	Pesticide
23135220	38867		200			OXAMYL, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
145733	38926		100			ENDOTHALL, WHOLE WATER SAMPLE	UG/L	Pesticide
2921882	38932	0.083		0.011		CHLORPYRIFOS, TOTAL RECOVERABLE	UG/L	Pesticide
2921882	38933	0.083		0.011		CHLORPYRIFOS, DISSOLVED	UG/L	Pesticide
2163806	38935		50			MONOSODIUM METHANEARSONATE (MSMA)	UG/L	Pesticide
2921882	39012	0.083		0.011		DURSBAN, FLAME PHOTOMETRIC, WATER SAMPLE	UG/L	Pesticide
56382	39015	0.065				ETHYLPARATHION, FLAME IONIFATION, WATER SAMPLE	UG/L	Pesticide
122349	39025		4.0			SIMAZINE, COULSON CONDUCTIVITY WATER SAMPLE	UG/L	Pesticide
87865	39032	20***	1.0	13		PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39033		3.0			ATRAZINE IN WHOLE WATER SAMPLE	UG/L	Pesticide
118741	39039	6.0[p]	1.0			HEXACHLOROBENZENE WATER SAMPLE, ELECTRON CPT	UG/L	Pesticide
93721	39045		50			2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPLE	UG/L	Pesticide
116063	39053		3.0			ALDICARB IN WHOLE WATER	UG/L	Pesticide
122349	39055		4.0			SIMAZINE IN WHOLE WATER	UG/L	Pesticide
117817	39100	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	UG/L	General Organic
117817	39103	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED	UG/L	General Organic
117817	39104	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED	UG/L	General Organic
	39117	0.94*		2.994*		PHTHLATE ESTERS IN WATER	MG/L	General Organic
75014	39175		2.0			VINYL CHLORIDE-WHOLE WATER SAMPLE	UG/L	General Organic
79016	39180	45000*	5.0	2000*		TRICHLOROETHYLENE-WHOLE WATER SAMPLE	UG/L	General Organic
50293	39300	1.1		0.13		P,P' DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
72548	39310	0.6*		3.6*		P,P' DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39320	1050*		14*		P,P' DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39330	3.0		1.3		ALDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39331	3.0		1.3		ALDRIN IN FILT. FRAC. OF WAT. SAMP.	UG/L	Pesticide
309002	39332	3.0		1.3		ALDRIN IN SUSP. FRAC. OF WAT. SAMP.	UG/L	Pesticide
58899	39340	2.0	0.2	0.16		GAMMA-BHC(LINDANE), WHOLE WATER	UG/L	Pesticide
58899	39341	2.0	0.2	0.16		GAMMA-BHC(LINDANE), DISSOLVED	UG/L	Pesticide
58899	39342	2.0	0.2	0.16		GAMMA-BHC(LINDANE), SUSPENDED	UG/L	Pesticide
57749	39350	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), WHOLE WATER	UG/L	Pesticide
57749	39352	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), DISSOLVED	UG/L	Pesticide
57749	39353	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), SUSPENDED	UG/L	Pesticide
72548	39360	0.6*		3.6*		DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72548	39361	0.6*		3.6*		DDD IN FILT. FRAC. OF WATER SMAPLE	UG/L	Pesticide
72548	39362	0.6*		3.6*		DDD IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39365	1050*		14*		DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39366	1050*		14*		DDE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39367	1050*		14*		DDE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39370	1.1		0.13		DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide
50293	39371	1.1		0.13		DDT IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39372	1.1		0.13		DDT IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
60571	39380	2.5		0.71		DIELDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
60571	39381	2.5		0.71		DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
60571	39382	2.5		0.71		DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
115297	39388	0.22		0.034		ENDOSULFAN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39390	0.18	2.0	0.037		ENDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39391	0.18	2.0	0.037		ENDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72208	39392	0.18	2.0	0.037		ENDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39400	0.73	3.0	0.21		TOXAPHENE IN WHOLE WATER SAMPLE	UG/L	Pesticide
8001352	39401	0.73	3.0	0.21		TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39402	0.73	3.0	0.21		TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39410	0.52	0.4	0.053		HEPTACHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	39411	0.52	0.4	0.053		HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39412	0.52	0.4	0.053		HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1024573	39420	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1024573	39421	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN FILT. FRAC. WATER SAMPLE	UG/L	Pesticide
1024573	39422	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN SUSP. FRAC. WATER SAMPLE	UG/L	Pesticide
72435	39478		40			METHOXYCHLOR IN WHOLE WATER DISSOLVED	UG/L	Pesticide
72435	39479		40			METHOXYCHLOR IN WHOLE WATER SUSPENDED	UG/L	Pesticide
72435	39480		40			METHOXYCHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
56382	39540	0.065				PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
56382	39542	0.065				PARATHION IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
56382	39543	0.065				PARATHION IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1912249	39630		3.0			ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39632		3.0			ATRAZINE DISSOLVED IN WATER	PPB	Pesticide
118741	39700	6.0[p]	1.0			HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	UG/L	General Organic
87683	39702	90[*]		32[*]		HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE	UG/L	General Organic
1918021	39720		500			PICLORAM IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39730		70			2,4-D IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39732		70			2,4-D IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
94757	39733		70			2,4-D IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39760		50			SILVEX IN WHOLE WATER SAMPLE	UG/L	Pesticide
93721	39762		50			SILVEX IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39763		50			SILVEX IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
58899	39782	2.0	0.2	0.16		LINDANE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1071836	39941		700			ROUNDUP IN WHOLE WATER SAMPLE (GLYPHOSATE)	UG/L	Pesticide
7782505	45650	0.019		0.013		CHLORINE, IN ORGANIC COMPOUNDS, WATER, WHOLE	MG/L	General Inorganic
56382	46315	0.065				ETHYL PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
58899	46322	2.0	0.2	0.16		LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	46326	0.52	0.4	0.053		HEPTACHLOR AND METABOLITES IN WHOLE H2O SAMPLE	UG/L	Pesticide
15972608	46342		2.0			ALACHLOR (LASSO), WATER, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782505	46472	0.019		0.013		CHLORINE, TOTAL RESIDUAL, AVERAGE VALUE, WATER	MG/L	General Inorganic
7782505	46473	0.019		0.013		CHLORINE, FREE AVAILABLE, AVERAGE VALUE, WATER	MG/L	General Inorganic
57125	46479	22	200	1.0		CYANIDE, DISSOLVED, WATER	UG/L	General Inorganic
7440382	46551	360	50	69		ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILTERED	UG/L	Metal
7440393	46558		2000			BARIUM, FIELD ACIDIFIED W/HNO3-LAB FILT	UG/L	Metal
7440439	46559	3.9[+]	5.0	43		CADMIUM,FIELD ACIDIFIED-HNO3-LAB FILTER	UG/L	Metal
7440473	46560		100			CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT.	UG/L	Metal
7440508	46562	18[+]	1300[a]	2.9		COPPER, FIELD ACIDIFIED-HNO3- LAB FILTER.	UG/L	Metal
7439921	46564	82[+]	15[a]	220		LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED	UG/L	Metal
7440224	46566	4.1[+]	100[s]	0.12		SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.	UG/L	Metal
7440666	46567	120[+]	5000[s]	95		ZINC, EXTRACTABLE, FIELD ACID W/HNO3,LAB FILTR	UG/L	Metal
56382	49011	0.065				UNKNOWNS AS PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
7782505	50058	0.019		0.013		CHLORINE DOSE	MG/L	General Inorganic
7782505	50060	0.019		0.013		CHLORINE, TOTAL RESIDUAL	MG/L	General Inorganic
7782505	50064	0.019		0.013		CHLORINE, FREE AVAILABLE	MG/L	General Inorganic
7782505	50066	0.019		0.013		CHLORINE, COMBINED AVAILABLE	MG/L	General Inorganic
7782505	50074	0.019		0.013		CHLORITE, WHOLE WATER	MG/L	General Inorganic
	61215				200[^]	FECAL COLIFORM, GENERAL #/100ML	#/100ML	Bacteriological
16887006	70352	860	250[s]			CHLORIDE, ORGANIC	MG/L	General Organic
14797558	71850		44			NITRATE NITROGEN, TOTAL (AS NO3)	MG/L	Nitrogen

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
14797558	71851		44			NITRATE NITROGEN, DISSOLVED (AS NO3)	MG/L	Nitrogen
14797650	71855		3.3			NITRITE NITROGEN, TOTAL (AS NO2)	MG/L	Nitrogen
14797650	71856		3.3			NITRITE NITROGEN, DISSOLVED (AS NO2)	MG/L	Nitrogen
7439976	71890	2.4	2.0	2.1		MERCURY, DISSOLVED	UG/L	Metal
7439976	71895	2.4	2.0	2.1		MERCURY, SUSPENDED	UG/L	Metal
7439976	71900	2.4	2.0	2.1		MERCURY, TOTAL	UG/L	Metal
7439976	71901	2.4	2.0	2.1		MERCURY,TOTAL RECOVERABLE IN WATER AS HG	UG/L	Metal
7440439	71946	3.9[+]	5.0	43		CADMIUM, EXTRACTABLE	UG/L	Metal
7440473	71947		100			CHROMIUM, EXTRACTABLE	UG/L	Metal
7439921	71949	82[+]	15[a]	220		LEAD, EXTRACTABLE	UG/L	Metal
7440666	71950	120[+]	5000[s]	95		ZINC, EXTRACTABLE	UG/L	Metal
7440508	71951	18[+]	1300[a]	2.9		COPPER, EXTRACTABLE	UG/L	Metal
1336363	76011	2000	500	10000		PCBS, SUSPENDED, WATER	NG/L	General Organic
1336363	76012	2000	500	10000		PCBS, TOTAL RECOVERABLE, WATER	NG/L	General Organic
156592	77093		70			CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	UG/L	General Organic
100425	77128		100			STYRENE, WHOLE WATER	UG/L	General Organic
106489	77296			29700[*]		P-CHLOROPHENOL, WHOLE WATER	UG/L	General Organic
106934	77651		0.05			1,2-DIBROMOETHANE, WHOLE WATER	UG/L	General Organic
95954	77687	100[p]		240[p]		2,4,5-TRICHLOROPHENOL, WHOLE WATER	UG/L	General Organic
935955	77769			440[*]		2,3,5,6-TETRACHLOROPHENOL, WHOLE WATER	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
103231	77903		400			BIS (2-ETHYLHEXYL) ADIPATE, WHOLE WATER	UG/L	General Organic
18540299	78247	16	100	1100		CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE	UG/L	Metal
57125	78248	22	200	1.0		CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE	UG/L	Metal
	78456	11*		12*		HALOMETHANES, SUMMATION, WHOLE WATER	MG/L	General Organic
14808798	78462		250s			SULFATE, WATER, DISSOLVED AS S	MG/L	Metal
85007	78885		20			DIQUAT DIBROMIDE (REGLONE) WHOLE WATER SAMPLE	UG/L	Pesticide
7440611	80020		20c			URANIUM, DISS. BY EXTRACTION FLUOROMETRIC	UG/L	Radiological
16065831	80357	1700	100	10300*		CHROMIUM, TRIVALENT, DISSOLVED	UG/L	Metal
57125	81208	0.022	0.2	0.001		CYANIDE,FREE (NOT AMENABLE TO CHLORINATION)	MG/L	General Inorganic
608731	81283	100*		0.34*		BENZENEHEXACHLORIDE, WHOLE WATER	UG/L	Pesticide
88857	81287		7.0			DNBP(C10H12N2O5), WHOLE WATER SAMPLE	UG/L	Pesticide
26638197	81327	23000*	5.0	10300*		DICHLOROPROPANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81333	1120*		1970*		DICHLOROBENZENE ISOMER, WHOLE WATER SAMPLE	UG/L	General Organic
2921882	81403	0.083		0.011		DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMPLE	UG/L	Pesticide
1563662	81405		40			CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	UG/L	Pesticide
76017	81501	7240*		390*		PENTACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81524	1120*		1970*		DICHLOROBENZENE, WHOLE WATER SAMPLE	UG/L	General Organic
25322207	81549	9320*				TETRACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
26638197	81703	23*	0.005*	10.3*		DICHLOROPROPANE, WHOLE WATER SAMPLE	MG/L	General Organic
7440508	81750	18+	1300a	2.9		COPPER, INTERSTITIAL WATERFROM SEDIMENTS	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	81752	1400[+]	100	75		NICKEL, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
7440666	81754	120[+]	5000[s]	95		ZINC, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
25323891	81853	18000[*]				TRICHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
7439976	81931	2.4	2.0	2.1		MERCURY (HG) SUSPENDED FRACTION OF WATER	UG/G	Metal
7440666	81933	120[+]	5000[s]	95		ZINC (ZN) SUSPENDED FRACTION OF WATER	UG/G	Metal
7439921	81936	82[+]	15[a]	220		LEAD (PB) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440439	81937	3.9[+]	5.0	43		CADMIUM (CD) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81938		100			CHROMIUM (CR) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440508	81939	18[+]	1300[a]	2.9		COPPER (CU) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440666	81940	120[+]	5000[s]	95		ZINC (ZN) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81941		100			CHROMIUM (CR) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440508	81942	18[+]	1300[a]	2.9		COPPER (CU) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440666	81943	120[+]	5000[s]	95		ZINC (ZN) DISSOLVED ANIONIC SPECIES	UG/L	Metal
	82078				50[l]	TURBIDITY, FIELD	NTU	Physical
	82079				50[l]	TURBIDITY, LAB	NTU	Physical
88857	82226		7.0			2 SECONDARY BUTYL 4,6-DINITROPHENOL	UG/L	Pesticide
16887006	82295	860000	250000[s]			CHLORIDE DISSOLVED AS CL IN WATER	UG/L	General Inorganic
72435	82350		40			METHOXYCHLOR, DISSOLVED IN WATER	UG/L	Pesticide
72435	82351		40			METHOXYCHLOR, SUSPENDED IN WATER	UG/L	Pesticide
115297	82354	0.22		0.034		ENDOSULFAN, DISSOLVED IN WATER	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
115297	82355	0.22		0.034		ENDOSULFAN, SUSPENDED IN WATER	UG/L	Pesticide
57125	82573	0.022	0.2	0.001		CYANIDE/CHLORINATION IN WATER	MG/L	General Inorganic
1646873	82586		4.0			ALDICARB SULFOXIDE, WATER, TOTAL RECOVERABLE	UG/L	General Organic
1646884	82587		2.0			ALDICARB SULFONE, WHOLE WATER, TOTAL RECOVERABLE	UG/L	General Organic
23135220	82613		200			OXAMYL, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
1563662	82615		40			CARBOFURAN, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
116063	82619		3.0			ALDICARB, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
33213659	82624	0.22		0.034		ENDOSULFAN, BETA, WH WATER, TOTAL RECOVERABLE	UG/L	Pesticide
96128	82625		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
7440382	82702	360	50	69		ARSENIC, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440393	82703		2			BARIUM, FIELD ACIDIFIED, DECANTED, WATER	MG/L	Metal
7440417	82704	130*	4.0			BERYLLIUM, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440439	82705	3.9+	5.0	43		CADMIUM, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440473	82706		100			CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440508	82708	18+	1300[a]	2.9		COPPER, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7439921	82711	82+	15[a]	220		LEAD, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7439976	82713	2.4	2.0	2.1		MERCURY, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440020	82715	1400+	100	75		NICKEL, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440224	82716	4.1+	100[s]	0.12		SILVER, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440666	82719	120+	5000[s]	95		ZINC, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal

Footnote Key:

*Insufficient Data to Develop Criteria. Value Presented is the L.O.E.L. - Lowest Observed Effect Level.

+Hardness Dependent Criteria (100 mg/L $CaCO_3$ Used).

***pH Dependent Criteria (7.8 pH Used).

=Rule of thumb criterion used by the NPS Air Quality Division for determining sensitivity to acid deposition.

^Freshwater bathing criterion, EPA geometric mean based on at least 5 samples equally spaced over a 30-day period; Enterococci marine water bathing criterion 35 CFU/100 ml.

#EPA freshwater aquatic life chronic criterion; marine criterion is ≤6.5, ≥8.5.

!Arizona state standard.

[a]EPA action level, 40 CFR 141.80.

[b]California and Florida state bathing water standards.

[c]A Compilation of Water Quality Goals, California Regional Water Quality Control Board Central Valley Region, Sacramento, California, September, 1991.

[n]Total coliform drinking water maximum contaminant level (1 cfu/100ml or 1 mpn/100ml) was not used in water quality criteria comparisons.

[p]Proposed Criterion.

[r]Average annual concentration assumed to produce a total body or organ dose of 4 mrem/year, 40 CFR 141.16.

[s]EPA National Secondary Drinking Water Regulation, 40 CFR 143.

[t]The maximum contaminant level for the sum of the concentrations of trihalomethanes is 100 µg/L, 40 CFR 141.12.

[u]Coldwater criterion one day minimum; warmwater criterion seven day mean minimum.

Appendix G

Inventory Data Evaluation and Analysis (IDEA)
Servicewide Inventory and Monitoring Program "Level I"
Parameter Groups

The following table provides the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameter groups (National Park Service 1993). In order to determine the presence and/or absence of data for each of these parameter groups in the park, the parameter groups had to be defined by STORET parameter codes. This table provides the STORET codes and parameter descriptions for each parameter comprising one of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameter groups. Additional parameters could have been incorporated into each group, but an effort was made to represent each group with the parameters deemed to most likely occur in STORET and parks. The Toxic Elements Parameter Group was defined as the EPA's Clean Water Act Section 304(a) Priority Toxic Pollutants (40 CFR 131.36). Parameters are listed in ascending order of STORET code within each parameter group. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to find all the parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

STORET Code	Water Temperature Parameter Group	C.A.S. Number
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	-
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	-
STORET Code	**Flow Parameter Group[1]**	**C.A.S. Number**
00056	FLOW RATE, GALLONS/DAY	-
00058	FLOW RATE, GALLONS/MIN.	-
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	-
00060	FLOW, STREAM, MEAN DAILY CFS	-
00061	FLOW, STREAM, INSTANTANEOUS CFS	-
00065	STAGE, STREAM (FEET)	-
00067	TIDE STAGE CODE	-
00072	STAGE, STREAM (METERS)	-

[1]Tide stage is included in the Flow Parameter Group for coastal parks.

STORET Code	Clarity/Turbidity Parameter Group	C.A.S. Number
00070	TURBIDITY, (JACKSON CANDLE UNITS)	-
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	-
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	-
00077	TRANSPARENCY, SECCHI DISC (INCHES)	-
00078	TRANSPARENCY, SECCHI DISC (METERS)	-
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	-
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	-
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	-
STORET Code	**Conductivity Parameter Group**	**C.A.S. Number**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	-
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	-
00096	SALINITY AT 25 DEGREES C (MG/ML)	-
00480	SALINITY - PARTS PER THOUSAND	-
STORET Code	**Dissolved Oxygen Parameter Group**	**C.A.S. Number**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	7782447
00300	OXYGEN, DISSOLVED (MG/L)	7782447
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	7782447
00389	OXYGEN, DISSOLVED, LAB ANAL. BY PROBE OF FIELD SAMPLE (MG/L)	7782447
STORET Code	**pH Parameter Group**	**C.A.S. Number**
00400	PH (STANDARD UNITS)	-
00403	PH, LAB (STANDARD UNITS)	-
00406	PH, FIELD (STANDARD UNITS)	-

STORET Code	Alkalinity Parameter Group	C.A.S. Number
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (µEQ/L)	471341
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	471341
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	77098
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	471341
00435	ACIDITY, TOTAL (MG/L AS CACO3)	471341
00440	BICARBONATE ION (MG/L AS HCO3)	71523
00445	CARBONATE ION (MG/L AS CO3)	3812326

STORET Code	Nitrate/Nitrogen Parameter Group	C.A.S. Number
00600	NITROGEN, TOTAL (MG/L AS N)	17778880
00602	NITROGEN, DISSOLVED (MG/L AS N)	17778880
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	17778880
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	17778880
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	17778880
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	17778880
00612	AMMONIA, UNIONZED (MG/L AS N)	7664417
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	17778880
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	17778880
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	17778880
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	17778880
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	17778880
00631	NITRITE PLUS NITRATE, DISSOLVED 1 DET. (MG/L AS N)	17778880
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	14798039
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	14798039
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	14797558
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	14797558
71855	NITRITE NITROGEN, TOTAL (MG/L AS NO2)	14797650
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	14797650

STORET Code	Phosphate/Phosphorus Parameter Group	C.A.S. Number
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	14265442
00655	PHOSPHATE, POLY (MG/L AS PO4)	14265442
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	14265442
00665	PHOSPHORUS, TOTAL (MG/L AS P)	7723140
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	7723140
00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	7723140
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	7723140
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	7723140
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	7723140

STORET Code	Sulfates/Total Dissolved Solids/Hardness Parameter Group	C.A.S. Number
00900	HARDNESS, TOTAL (MG/L AS CACO3)	471341
00945	SULFATE, TOTAL (MG/L AS SO4)	14808798
00946	SULFATE, DISSOLVED (MG/L AS SO4)	14808798
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	-

STORET Code	Chlorophyll Parameter Group	C.A.S. Number
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	479618
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	479618
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	479618
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	479618
32223	CHLOROPHYLL A (MG/M2) SPECTROPHOTOMETRIC CORRECTED	479618
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	479618
32229	CHLOROPHYLL A (MG/M2) FLUOR. CORRECTED, SUBSTRATER	479618
32230	CHLOROPHYLL A (MG/L)	479618

STORET Code	Bacteria Parameter Group	C.A.S. Number
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	-
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED., M-ENDO MED,35C	-
31503	COLIFORM, TOT, MEMBRANE FILTER, DELAY, M-ENDO MED, 35C	-
31504	COLIFORM, TOT, MEMBRANE FILTER, IMMED., LES-ENDO AGAR, 35C	-
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	-
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	-
31507	COLIFORM, TOT, MPN, COMPLETED TEST,35C(TUBE 31508)	-
31508	COLIFORM, TOT, MPN, COMPLETED TEST, TUBE CONFIG.	-
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	-
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	-
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	-
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	-
31617	FECAL COLIFORM, MPN,EIJKMAN TEST,44.5C(TUBE 31618)	-
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	-
31648	E. COLI - MTEC-MF	-
31649	ENTEROCOCCI- ME-MF	-
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	-
31676	FECAL STREPTOCOCCI, MPN, KF BROTH, TUBE CONFIG.	-
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	-
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	-
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	-
61215	FECAL COLIFORM, GENERAL #/100ML	-

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants)	C.A.S. Number
00718	CYANIDE, WEAK ACID, DISSOC. WATER, WHOLE (UG/L)	57125
00719	CYANIDE, FREE, IN WATER & WASTEWATERS, HBG (UG/L)	57125
00720	CYANIDE, TOTAL (MG/L AS CN)	57125
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION) (MG/L)	57125

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	57125
00724	CYANIDE COMPLEXED TO A RANGE OF COMPNDS (UG/L)	57125
00969	CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00973	AMPHIBOLE ASBESTOS FIBERS/LITER	1332214
00976	AMBIGUOUS ASBESTOS FIBERS/LITER	1332214
00977	NON-AMPHIBOLE NON-CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00978	ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	7440382
00981	SELENIUM, TOTAL RECOVERABLE IN WATER AS SE (UG/L)	7782492
00982	THALLIUM, TOTAL RECOVERABLE IN WATER AS (UG/L)	7440280
00990	SELENITE, TOTAL RECOVERABLE INORGANIC (UG/L)	7782492
00991	ARSENIC, TOTAL RECOVER. TRIVALENT INORGANIC (UG/L)	7440382
00995	ARSENIC, INORGANIC DISSOLVED (UG/L AS AS)	7440382
00996	ARSENIC, INORGANIC SUSPENDED (UG/L AS AS)	7440382
00997	ARSENIC, INORGANIC TOTAL (UG/L AS AS)	7440382
00998	BERYLLIUM, TOTAL RECOVERABLE IN WATER AS BE (UG/L)	7440417
01000	ARSENIC, DISSOLVED (UG/L AS AS)	7440382
01001	ARSENIC, SUSPENDED (UG/L AS AS)	7440382
01002	ARSENIC, TOTAL (UG/L AS AS)	7440382
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	7440417
01011	BERYLLIUM, SUSPENDED (UG/L AS BE)	7440417
01012	BERYLLIUM, TOTAL (UG/L AS BE)	7440417
01025	CADMIUM, DISSOLVED (UG/L AS CD)	7440439
01026	CADMIUM, SUSPENDED (UG/L AS CD)	7440439
01027	CADMIUM, TOTAL (UG/L AS CD)	7440439
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	7440473
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	7440473
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	7440473
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	16065831
01034	CHROMIUM, TOTAL (UG/L AS CR)	7440473

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01040	COPPER, DISSOLVED (UG/L AS CU)	7440508
01041	COPPER, SUSPENDED (UG/L AS CU)	7440508
01042	COPPER, TOTAL (UG/L AS CU)	7440508
01049	LEAD, DISSOLVED (UG/L AS PB)	7439921
01050	LEAD, SUSPENDED (UG/L AS PB)	7439921
01051	LEAD, TOTAL (UG/L AS PB)	7439921
01057	THALLIUM, DISSOLVED (UG/L AS TL)	7440280
01058	THALLIUM, SUSPENDED (UG/L AS TL)	7440280
01059	THALLIUM, TOTAL (UG/L AS TL)	7440280
01065	NICKEL, DISSOLVED (UG/L AS NI)	7440020
01066	NICKEL, SUSPENDED (UG/L AS NI)	7440020
01067	NICKEL, TOTAL (UG/L AS NI)	7440020
01074	NICKEL, TOTAL RECOVERABLE IN WATER AS NI (UG/L)	7440020
01075	SILVER, DISSOLVED (UG/L AS AG)	7440224
01076	SILVER, SUSPENDED (UG/L AS AG)	7440224
01077	SILVER, TOTAL (UG/L AS AG)	7440224
01079	SILVER, TOTAL RECOVERABLE IN WATER AS AG (UG/L)	7440224
01089	COPPER AS SUSPENDED BLACK OXIDE IN WATER (MG/L)	7440508
01090	ZINC, DISSOLVED (UG/L AS ZN)	7440666
01091	ZINC, SUSPENDED (UG/L ZN)	7440666
01092	ZINC, TOTAL (UG/L AS ZN)	7440666
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN (UG/L)	7440666
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	7440360
01096	ANTIMONY, SUSPENDED (UG/L AS SB)	7440360
01097	ANTIMONY, TOTAL (UG/L AS SB)	7440360
01113	CADMIUM, TOTAL RECOVERABLE IN WATER AS CD (UG/L)	7440439
01114	LEAD, TOTAL RECOVERABLE IN WATER AS PB (UG/L)	7439921
01118	CHROMIUM, TOTAL RECOVERABLE IN WATER AS CR (UG/L)	7440473
01119	COPPER,TOTAL RECOVERABLE IN WATER AS CU (UG/L)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01124	THALLIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7440280
01128	THALLIUM,TOTAL RECOVERABLE <95%, UG/L AS TL	7440280
01138	SELENIUM, IN WATER, LBS/DAY	7782492
01145	SELENIUM, DISSOLVED (UG/L AS SE)	7782492
01146	SELENIUM, SUSPENDED (UG/L AS SE)	7782492
01147	SELENIUM, TOTAL (UG/L AS SE)	7782492
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7782492
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	18540299
01252	ARSENIC, LB/DAY/CFS STREAM FLOW	7440382
01253	CADMIUM, LB/DAY/CFS STREAM FLOW	7440439
01254	CHROMIUM, TOTAL (LBS/DAY/CFS STREAM FLOW)	7740473
01255	CHROMIUM, HEXAVALENT, LB/DAY/CFS STREAM FLOW	18540299
01256	COPPER, LB/DAY/CFS STREAM FLOW	7440508
01257	CYANIDE LB/DAY/CFS STREAM FLOW	57125
01259	LEAD, LB/DAY/CFS STREAM FLOW	7439921
01260	MERCURY, LB/DAY/CFS STREAM FLOW	7439976
01261	NICKEL, LB/DAY/CFS STREAM FLOW	7440020
01263	SILVER, LB/DAY/CFS STREAM FLOW	7440224
01264	ZINC LB/DAY/CFS STREAM FLOW	7440666
01268	ANTIMONY, (SB), WATER, TOTAL RECOVERABLE (UG/L)	7440360
01291	CYANIDE, FILTERABLE, TOTAL IN WATER (UG/L)	57125
01303	ZINC, POTENTIALLY DISSOLVED WATER (MG/L)	7440666
01304	SILVER, POTENTIALLY DISSOLVED WATER (MG/L)	7440224
01306	COPPER, POTENTIALLY DISSOLVED WATER (MG/L)	7440508
01307	CHROMIUM, HEXAVALENT, POTENT. DISS. WATER (MG/L)	18540299
01309	ARSENIC, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440382
01312	BERYLLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440417
01313	CADMIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440439

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01314	CHROMIUM, TRIVALENT, POTENT., DISS., WATER (MG/L)	16065831
01318	LEAD, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439921
01321	MERCURY, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439976
01322	NICKEL, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440020
01323	SELENIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7782492
01324	THALLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440280
01523	SILVER, IONIC (UG/L)	7440224
22675	SELENIUM, DISSOLVED ORGANIC (UG/L)	7782492
22676	SELENIUM, HEXAVALENT, DISSOLVED (UG/L)	7782492
22677	SELENIUM, TETRAVALENT, DISSOLVED	7782492
22678	ARSENIC, DISSOLVED ORGANIC (UG/L)	7440382
22679	ARSENIC, PENTAVALENT, DISSOLVED (UG/L)	7440382
22680	ARSENIC, TRIVALENT, DISSOLVED (UG/L)	7440382
30197	2-CHLOROETHYLVINYL ETHER,WATER,WHL,RECOVER (UG/L)	110758
30201	CHLOROMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74873
30202	BROMOMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74839
32003	CARBON CHLOROFORM AND CARBON ALCOHOL EXT. (UG/L)	67663
32005	CARBON CHLOROFORM EXTRACTABLES (UG/L)	67663
32021	CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLE (UG/L)	67663
32022	CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES (UG/L)	67663
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	75274
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	56235
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	107062
32104	BROMOFORM, WHOLE WATER, (UG/L)	75252
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	124481
32106	CHLOROFORM, WHOLE WATER (UG/L)	67663
32260	CARBON TETRACHLORIDE EXTRACTABLES (MG/L)	56235
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	67663

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	108883
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	71432
34198	BHC-DELTA, WATER, WHOLE (LBS/DAY)	319868
34200	ACENAPHTHYLENE, TOTAL (UG/L)	208968
34201	ACENAPHTHYLENE, DISSOLVED (UG/L)	208968
34202	ACENAPHTHYLENE, SUSPENDED (UG/L)	208968
34205	ACENAPHTHENE, TOTAL (UG/L)	83329
34206	ACENAPHTHENE, DISSOLVED (UG/L)	83329
34207	ACENAPHTHENE, SUSPENDED (UG/L)	83329
34210	ACROLEIN, TOTAL (UG/L)	107028
34211	ACROLEIN, DISSOLVED (UG/L)	107028
34212	ACROLEIN, SUSPENDED (UG/L)	107028
34215	ACRYLONITRILE, TOTAL (UG/L)	107131
34216	ACRYLONITRILE, DISSOLVED (UG/L)	107131
34217	ACRYLONITRILE, SUSPENDED (UG/L)	107131
34220	ANTHRACENE, TOTAL (UG/L)	120127
34221	ANTHRACENE, DISSOLVED (UG/L)	120127
34222	ANTHRACENE, SUSPENDED (UG/L)	120127
34225	ASBESTOS (FIBROUS) TOTAL (UG/L)	1332214
34226	ASBESTOS (FIBROUS) DISSOLVED (UG/L)	1332214
34227	ASBESTOS (FIBROUS) SUSPENDED (UG/L)	1332214
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	205992
34231	BENZO(B)FLUORANTHENE, DISSOLVED (UG/L)	205992
34232	BENZO(B)FLUORANTHENE, SUSPENDED (UG/L)	205992
34235	BENZENE, DISSOLVED (UG/L)	71432
34236	BENZENE, SUSPENDED (UG/L)	71432
34239	BENZIDINE, DISSOLVED (UG/L)	92875
34240	BENZIDINE, SUSPENDED (UG/L)	92875

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	207089
34243	BENZO(K)FLUORANTHENE, DISSOLVED (UG/L)	207089
34244	BENZO(K)FLUORANTHENE, SUSPENDED (UG/L)	207089
34247	BENZO-A-PYRENE, TOTAL (UG/L)	50328
34248	BENZO-A-PYRENE, DISSOLVED (UG/L)	50328
34249	BENZO-A-PYRENE, SUSPENDED (UG/L)	50328
34253	A-BHC-ALPHA, DISSOLVED (UG/L)	319846
34254	A-BHC-ALPHA, SUSPENDED (UG/L)	319846
34255	B-BHC-BETA, DISSOLVED (UG/L)	319857
34256	B-BHC-BETA, SUSPENDED (UG/L)	319857
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	319868
34260	DELTA BENZENE HEXACHLORIDE, DISSOLVED (UG/L)	319868
34261	DELTA BENZENE HEXACHLORIDE, SUSPENDED (UG/L)	319868
34265	R-BHC (LINDANE) GAMMA, DISSOLVED (UG/L)	58899
34266	R-BHC (LINDANE) GAMMA, SUSPENDED (UG/L)	58899
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	111444
34274	BIS (2-CHLOROETHYL) ETHER, DISSOLVED (UG/L)	111444
34275	BIS (2-CHLOROETHYL) ETHER, SUSPENDED (UG/L)	111444
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	111911
34279	BIS (2-CHLOROETHOXY) METHANE, DISSOLVED (UG/L)	111911
34280	BIS (2-CHLOROETHOXY) METHANE, SUSPENDED (UG/L)	111911
34288	BROMOFORM, DISSOLVED (UG/L)	75252
34289	BROMOFORM, SUSPENDED (UG/L)	75252
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	85687
34293	N-BUTYL BENZYL PHTHALATE, DISSOLVED (UG/L)	85687
34294	N-BUTYL BENZYL PHTHALATE, SUSPENDED (UG/L)	85687
34297	CARBON TETRACHLORIDE, DISSOLVED (UG/L)	56235
34298	CARBON TETRACHLORIDE, SUSPENDED (UG/L)	56235

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34301	CHLOROBENZENE, TOTAL (UG/L)	108907
34302	CHLOROBENZENE, DISSOLVED (UG/L)	108907
34303	CHLOROBENZENE, SUSPENDED (UG/L)	108907
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	124481
34307	CHLORODIBROMOMETHANE, DISSOLVED (UG/L)	124481
34308	CHLORODIBROMOMETHANE, SUSPENDED (UG/L)	124481
34311	CHLOROETHANE, TOTAL (UG/L)	75003
34312	CHLOROETHANE, DISSOLVED (UG/L)	75003
34313	CHLOROETHANE, SUSPENDED (UG/L)	75003
34316	CHLOROFORM, DISSOLVED (UG/L)	67663
34317	CHLOROFORM, SUSPENDED (UG/L)	67663
34320	CHRYSENE, TOTAL (UG/L)	218019
34321	CHRYSENE, DISSOLVED (UG/L)	218019
34322	CHRYSENE, SUSPENDED (UG/L)	218019
34325	CYANIDE, SUSPENDED (MG/L)	57125
34327	DI-N-BUTYL PHTHALATE, DISSOLVED (UG/L)	84742
34328	DICHLOROBROMOMETHANE, DISSOLVED (UG/L)	75274
34329	DICHLOROBROMOMETHANE, SUSPENDED (UG/L)	75274
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	84662
34337	DIETHYL PHTHALATE, DISSOLVED (UG/L)	84662
34338	DIETHYL PHTHALATE, SUSPENDED (UG/L)	84662
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	131113
34342	DIMETHYL PHTHALATE, DISSOLVED (UG/L)	131113
34343	DIMETHYL PHTHALATE, SUSPENDED (UG/L)	131113
34346	1,2-DIPHENYLHYDRAZINE, TOTAL (UG/L)	122667
34347	1,2-DIPHENYLHYDRAZINE, DISSOLVED (UG/L)	122667
34348	1,2-DIPHENYLHYDRAZINE, SUSPENDED (UG/L)	122667
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	1031078

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34352	ENDOSULFAN SULFATE, DISSOLVED (UG/L)	1031078
34353	ENDOSULFAN SULFATE, SUSPENDED (UG/L)	1031078
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	33213659
34357	ENDOSULFAN, BETA, DISSOLVED (UG/L)	33213659
34358	ENDOSULFAN, BETA, SUSPENDED (UG/L)	33213659
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	959988
34362	ENDOSULFAN, ALPHA, DISSOLVED (UG/L)	959988
34363	ENDOSULFAN, ALPHA, SUSPENDED (UG/L)	959988
34371	ETHYLBENZENE, TOTAL (UG/L)	100414
34372	ETHYLBENZENE, DISSOLVED (UG/L)	100414
34373	ETHYLBENZENE, SUSPENDED (UG/L)	100414
34376	FLUORANTHENE, TOTAL (UG/L)	206440
34377	FLUORANTHENE, DISSOLVED (UG/L)	206440
34378	FLUORANTHENE, SUSPENDED (UG/L)	206440
34381	FLUORENE, TOTAL (UG/L)	86737
34382	FLUORENE, DISSOLVED (UG/L)	86737
34383	FLUORENE, SUSPENDED (UG/L)	86737
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	77474
34387	HEXACHLOROCYCLOPENTADIENE, DISSOLVED (UG/L)	77474
34388	HEXACHLOROCYCLOPENTADIENE, SUSPENDED (UG/L)	77474
34391	HEXACHLOROBUTADIENE, TOTAL (UG/L)	87683
34392	HEXACHLOROBUTADIENE, DISSOLVED (UG/L)	87683
34393	HEXACHLOROBUTADIENE, SUSPENDED (UG/L)	87683
34396	HEXACHLOROETHANE, TOTAL (UG/L)	67721
34397	HEXACHLOROETHANE, DISSOLVED (UG/L)	67721
34398	HEXACHLOROETHANE, SUSPENDED (UG/L)	67721
34401	HEXACHLOROBENZENE, DISSOLVED (UG/L)	118741
34402	HEXACHLOROBENZENE, SUSPENDED (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	193395
34404	INDENO (1,2,3-CD) PYRENE, DISSOLVED (UG/L)	193395
34405	INDENO (1,2,3-CD) PYRENE, SUSPENDED (UG/L)	193395
34408	ISOPHORONE, TOTAL (UG/L)	78591
34409	ISOPHORONE, DISSOLVED (UG/L)	78591
34410	ISOPHORONE, SUSPENDED (UG/L)	78591
34413	METHYL BROMIDE, TOTAL (UG/L)	74839
34414	METHYL BROMIDE, DISSOLVED (UG/L)	74839
34415	METHYL BROMIDE, SUSPENDED (UG/L)	74839
34418	METHYL CHLORIDE, TOTAL (UG/L)	74873
34419	METHYL CHLORIDE, DISSOLVED (UG/L)	74873
34420	METHYL CHLORIDE, SUSPENDED (UG/L)	74873
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	75092
34424	METHYLENE CHLORIDE, DISSOLVED (UG/L)	75092
34425	METHYLENE CHLORIDE, SUSPENDED (UG/L)	75092
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	621647
34429	N-NITROSODI-N-PROPYLAMINE, DISSOLVED (UG/L)	621647
34430	N-NITROSODI-N-PROPYLAMINE, SUSPENDED (UG/L)	621647
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	86306
34434	N-NITROSODIPHENYLAMINE, DISSOLVED (UG/L)	86306
34435	N-NITROSODIPHENYLAMINE, SUSPENDED (UG/L)	86306
34438	N-NITROSODIMETHYLAMINE, TOTAL (UG/L)	62759
34439	N-NITROSODIMETHYLAMINE, DISSOLVED (UG/L)	62759
34440	N-NITROSODIMETHYLAMINE, SUSPENDED (UG/L)	62759
34443	NAPHTHALENE, DISSOLVED (UG/L)	91203
34444	NAPHTHALENE, SUSPENDED (UG/L)	91203
34447	NITROBENZENE, TOTAL (UG/L)	98953
34448	NITROBENZENE, DISSOLVED (UG/L)	98953

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34449	NITROBENZENE, SUSPENDED (UG/L)	98953
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	59507
34453	PARACHLOROMETA CRESOL, DISSOLVED (UG/L)	59507
34454	PARACHLOROMETA CRESOL, SUSPENDED (UG/L)	59507
34457	PCB - 1242, DISSOLVED (UG/L)	53469219
34458	PCB - 1242, SUSPENDED (UG/L)	53469219
34459	PCP (PENTACHLOROPHENOL), DISSOLVED (UG/L)	87865
34460	PCP (PENTACHLOROPHENOL), SUSPENDED (UG/L)	87865
34461	PHENANTHRENE, TOTAL (UG/L)	85018
34462	PHENANTHRENE, DISSOLVED (UG/L)	85018
34463	PHENANTHRENE, SUSPENDED (UG/L)	85018
34466	PHENOL, DISSOLVED (UG/L)	108952
34467	PHENOL, SUSPENDED (UG/L)	108952
34469	PYRENE, TOTAL (UG/L)	129000
34470	PYRENE, DISSOLVED (UG/L)	129000
34471	PYRENE, SUSPENDED (UG/L)	129000
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	127184
34476	TETRACHLOROETHYLENE, DISSOLVED (UG/L)	127184
34477	TETRACHLOROETHYLENE, SUSPENDED (UG/L)	127184
34481	TOLUENE, DISSOLVED (UG/L)	108883
34482	TOLUENE, SUSPENDED (UG/L)	108883
34485	TRICHLOROETHYLENE, DISSOLVED (UG/L)	79016
34486	TRICHLOROETHYLENE, SUSPENDED (UG/L)	79016
34493	VINYL CHLORIDE, DISSOLVED (UG/L)	75014
34494	VINYL CHLORIDE, SUSPENDED (UG/L)	75014
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	75343
34497	1,1-DICHLOROETHANE, DISSOLVED (UG/L)	75343
34498	1,1-DICHLOROETHANE, SUSPENDED (UG/L)	75343

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	75354
34502	1,1-DICHLOROETHYLENE, DISSOLVED (UG/L)	75354
34503	1,1-DICHLOROETHYLENE, SUSPENDED (UG/L)	75354
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	71556
34507	1,1,1-TRICHLOROETHANE, DISSOLVED (UG/L)	71556
34508	1,1,1-TRICHLOROETHANE, SUSPENDED (UG/L)	71556
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	79005
34512	1,1,2-TRICHLOROETHANE, DISSOLVED (UG/L)	79005
34513	1,1,2-TRICHLOROETHANE, SUSPENDED (UG/L)	79005
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	79345
34517	1,1,2,2-TETRACHLOROETHANE, DISSOLVED (UG/L)	79345
34518	1,1,2,2-TETRACHLOROETHANE, SUSPENDED (UG/L)	79345
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	191242
34522	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, DISS. (UG/L)	191242
34523	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, SUSP. (UG/L)	191242
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	56553
34527	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, DISS. (UG/L)	56553
34528	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, SUSP. (UG/L)	56553
34531	1,2-DICHLOROETHANE, TOTAL (UG/L)	107062
34532	1,2-DICHLOROETHANE, DISSOLVED (UG/L)	107062
34533	1,2-DICHLOROETHANE, SUSPENDED (UG/L)	107062
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	95501
34537	1,2-DICHLOROBENZENE, DISSOLVED (UG/L)	95501
34538	1,2-DICHLOROBENZENE, SUSPENDED (UG/L)	95501
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	78875
34542	1,2-DICHLOROPROPANE, DISSOLVED (UG/L)	78875
34543	1,2-DICHLOROPROPANE, SUSPENDED (UG/L)	78875
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	156605

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34547	TRANS-1,2-DICHLOROETHENE, DISSOLVED (UG/L)	156605
34548	TRANS-1,2-DICHLOROETHENE, SUSPENDED (UG/L)	156605
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	120821
34552	1,2,4-TRICHLOROBENZENE, DISSOLVED (UG/L)	120821
34553	1,2,4-TRICHLOROBENZENE, SUSPENDED (UG/L)	120821
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	53703
34557	1,2,5,6-DIBENZANTHRACENE, DISSOLVED (UG/L)	53703
34558	1,2,5,6-DIBENZANTHRACENE, SUSPENDED (UG/L)	53703
34561	1,3-DICHLOROPROPENE, TOTAL (UG/L)	542756
34562	1,3-DICHLOROPROPENE, DISSOLVED (UG/L)	542756
34563	1,3-DICHLOROPROPENE, SUSPENDED (UG/L)	542756
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	541731
34567	1,3-DICHLOROBENZENE, DISSOLVED (UG/L)	541731
34568	1,3-DICHLOROBENZENE, SUSPENDED (UG/L)	541731
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	106467
34572	1,4-DICHLOROBENZENE, DISSOLVED (UG/L)	106467
34573	1,4-DICHLOROBENZENE, SUSPENDED (UG/L)	106467
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	110758
34577	2-CHLOROETHYL VINYL ETHER, DISSOLVED (UG/L)	110758
34578	2-CHLOROETHYL VINYL ETHER, SUSPENDED (UG/L)	110758
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	91587
34582	2-CHLORONAPHTHALENE, DISSOLVED (UG/L)	91587
34583	2-CHLORONAPHTHALENE, SUSPENDED (UG/L)	91587
34586	2-CHLOROPHENOL, TOTAL (UG/L)	95578
34587	2-CHLOROPHENOL, DISSOLVED (UG/L)	95578
34588	2-CHLOROPHENOL, SUSPENDED (UG/L)	95578
34591	2-NITROPHENOL, TOTAL (UG/L)	88755
34592	2-NITROPHENOL, DISSOLVED (UG/L)	88755

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34593	2-NITROPHENOL, SUSPENDED (UG/L)	88755
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	117840
34597	DI-N-OCTYL PHTHALATE, DISSOLVED (UG/L)	117840
34598	DI-N-OCTYL PHTHALATE, SUSPENDED (UG/L)	117840
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	120832
34602	2,4-DICHLOROPHENOL, DISSOLVED (UG/L)	120832
34603	2,4-DICHLOROPHENOL, SUSPENDED (UG/L)	120832
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	105679
34607	2,4-DIMETHYLPHENOL, DISSOLVED (UG/L)	105679
34608	2,4-DIMETHYLPHENOL, SUSPENDED (UG/L)	105679
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	121142
34612	2,4-DINITROTOLUENE, DISSOLVED (UG/L)	121142
34613	2,4-DINITROTOLUENE, SUSPENDED (UG/L)	121142
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	51285
34617	2,4-DINITROPHENOL, DISSOLVED (UG/L)	51285
34618	2,4-DINITROPHENOL, SUSPENDED (UG/L)	51285
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	88062
34622	2,4,6-TRICHLOROPHENOL, DISSOLVED (UG/L)	88062
34623	2,4,6-TRICHLOROPHENOL, SUSPENDED (UG/L)	88062
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	606202
34627	2,6-DINITROTOLUENE, DISSOLVED (UG/L)	606202
34628	2,6-DINITROTOLUENE, SUSPENDED (UG/L)	606202
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	91941
34632	3,3'-DICHLOROBENZIDINE, DISSOLVED (UG/L)	91941
34633	3,3'-DICHLOROBENZIDINE, SUSPENDED (UG/L)	91941
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	101553
34637	4-BROMOPHENYL PHENYL ETHER, DISSOLVED (UG/L)	101553
34638	4-BROMOPHENYL PHENYL ETHER, SUSPENDED (UG/L)	101553

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	7005723
34642	4-CHLOROPHENYL PHENYL ETHER, DISSOLVED (UG/L)	7005723
34643	4-CHLOROPHENYL PHENYL ETHER, SUSPENDED (UG/L)	7005723
34646	4-NITROPHENOL, TOTAL (UG/L)	100027
34647	4-NITROPHENOL, DISSOLVED (UG/L)	100027
34648	4-NITROPHENOL, SUSPENDED (UG/L)	100027
34651	P,P'-DDD, DISSOLVED (UG/L)	72548
34652	P,P'-DDD, SUSPENDED (UG/L)	72548
34653	P,P'-DDE, DISSOLVED (UG/L)	72559
34654	P,P'-DDE, SUSPENDED (UG/L)	72559
34655	P,P'-DDT, DISSOLVED (UG/L)	50293
34656	P,P'-DDT, SUSPENDED (UG/L)	50293
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	534521
34658	DNOC (4,6-DINITRO-ORTHO-CRESOL), DISSOLVED (UG/L)	534521
34659	DNOC (4,6-DINITRO-ORTHO-CRESOL), SUSPENDED (UG/L)	534521
34662	PCB - 1221, DISSOLVED (UG/L)	11104282
34663	PCB - 1221, SUSPENDED (UG/L)	11104282
34665	PCB - 1232, DISSOLVED (UG/L)	11141165
34666	PCB - 1232, SUSPENDED (UG/L)	11141165
34671	PCB - 1016, TOTAL (UG/L)	12674112
34672	PCB - 1016, DISSOLVED (UG/L)	12674112
34673	PCB - 1016, SUSPENDED (UG/L)	12674112
34675	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD),TOT(UG/L)	1746016
34676	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(UG/L)	1746016
34677	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(UG/L)	1746016
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	108952
34696	NAPHTHALENE, TOTAL (UG/L)	91203
34750	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)TOT(PG/L)	1746016

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34751	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(PG/L)	1746016
34752	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(PG/L)	1746016
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	87865
39039	HEXACHLOROBENZENE WATER SAMPLE,ELECTRON CPT (UG/L)	118741
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	117817
39103	BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED, (UG/L)	117817
39104	BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED, (UG/L)	117817
39107	PHTHALATES,DIETHYLHEXYL SUS.FRAC.WTR DWT (MG/KG)	117817
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	84742
39114	DI-N-BUTYL PHTHALATE, SUSPENDED (UG/L)	84742
39115	PHTHALATES,DIBUTYL SUS.FRAC.WATER DWT (UG/KG)	84742
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	92875
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	75014
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	79016
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	309002
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP. (UG/L)	309002
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP. (UG/L)	309002
39336	BHC-ALPHA, WATER, WHOLE (LBS/DAY)	319846
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319846
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319857
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	58899
39341	GAMMA-BHC(LINDANE), DISSOLVED (UG/L)	58899
39342	GAMMA-BHC(LINDANE), SUSPENDED (UG/L)	58899
39344	BHC-GAMMA, WATER, WHOLE (LBS/DAY)	58899
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	57749

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39352	CHLORDANE(TECH MIX & METABS), DISSOLVED (UG/L)	57749
39353	CHLORDANE(TECH MIX & METABS), SUSPENDED (UG/L)	57749
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39361	DDD IN FILT. FRAC. OF WATER SMAPLE (UG/L)	72548
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72548
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39366	DDE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72559
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72559
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39371	DDT IN FILT. FRAC. OF WATER SAMPLE (UG/L)	50293
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	50293
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	60571
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	60571
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	60571
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	72208
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72208
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72208
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	8001352
39401	TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	8001352
39402	TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	8001352
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	76448
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE (UG/L)	76448
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	76448
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	1024573
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WAT. SAM. (UG/L)	1024573
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WAT. SAM. (UG/L)	1024573
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	11104282
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11141165

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	53469219
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	12672296
39501	PCB - 1248 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	12672296
39502	PCB - 1248 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	12672296
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11097691
39505	PCB - 1254 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11097691
39506	PCB - 1254 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11097691
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11096825
39509	PCB - 1260 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11096825
39510	PCB - 1260 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11096825
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	118741
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	87683
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	58899
39920	DNOC IN WHOLE WATER SAMPLE (UG/L)	534521
46322	LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE (UG/L)	58899
46323	DELTA-BHC IN WHOLE WATER SAMPLE (UG/L)	319868
46326	HEPTACHLOR AND METABOLITES IN WH. H2O SAMP. (UG/L)	76448
46479	CYANIDE, DISSOLVED, WATER (UG/L)	57125
46551	ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILT. (UG/L)	7440382
46559	CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER (UG/L-CD)	7440439
46560	CHROMIUM, FIELD ACIDIFIED-HN03-LAB FILT. (UG/L-CR)	7440473
46562	COPPER, FIELD ACIDIFIED-HNO3-LAB FILTER. (UG/L-CU)	7440508
46564	LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED (UG/L-PB)	7439921
46566	SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.(UG/L-AG)	7440224
46567	ZINC, EXTRACT. FIELD ACID W/HNO3, LAB FILT. (UG/L)	7440666
70012	PARACHLOROMETA CRESOL, WATER, WHOLE (LBS/DAY)	59507
70017	HEXACHLOROCYCLOPENTADIENE, WATER, WHOLE (LBS/DAY)	77474
70021	LEAD, (TCLP), WATER, TOTAL (MG/L)	7439921

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
71890	MERCURY, DISSOLVED (UG/L AS HG)	7439976
71895	MERCURY, SUSPENDED (UG/L AS HG)	7439976
71900	MERCURY, TOTAL (UG/L AS HG)	7439976
71901	MERCURY, TOTAL RECOVERABLE IN WATER AS HG (UG/L)	7439976
71946	CADMIUM, EXTRACTABLE (UG/L AS CD)	7440439
71947	CHROMIUM, EXTRACTABLE (UG/L AS CR)	7440473
71949	LEAD, EXTRACTABLE (UG/L AS PB)	7439921
71950	ZINC, EXTRACTABLE (UG/L AS ZN)	7440666
71951	COPPER, EXTRACTABLE (UG/L AS CU)	7440508
73063	CHLOROGUAIACOL,4-, TOTAL, WATER (UG/L)	16766306
73522	PROPANE, 2,2'-OXYBIS(1-CHLORO)- TOTAL (UG/L)	108601
77163	1,3-DICHLOROPROPENE-1, WHOLE WATER (UG/L)	542756
77354	1,1-DICHLORO-2,2-DIFLUOROETHANE WHOLE WATER (UG/L)	471432
77771	3-CHLORO-4-HYDROXYBENZOPHENONE, WHOLE WATER (UG/L)	55191203
78113	ETHYL BENZENE WHOLE WATER SAMPLE (UG/L)	100414
78124	BENZENE IN WATER (VOLATILE ANALYSIS) (UG/L)	71432
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) (UG/L)	108883
78208	2,4-DINITRO-O-CRESOL IN WHOLE WATER SAMPLE (UG/L)	534521
78247	CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE, WT (UG/L)	18540299
78248	CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE (UG/L)	57125
80357	CHROMIUM, TRIVALENT, DISSOLVED, AS CR	16065831
81208	CYANIDE, FREE (NOT AMEN. TO CHLORINATION) (MG/L)	57125
81210	CYANIDE - STATE OF ILLINOIS (MG/L)	57125
81214	CADMIUM - STATE OF ILLINOIS (MG/L)-COLD	7440439
81215	CHROMIUM - STATE OF ILLINOIS (MG/L), COLD DIGEST	18540299
81216	CHROMIUM(TRI)-STATE OF ILLINOIS (MG/L)-COLD DIGEST	16065831
81217	CHROMIUM, TOTAL - STATE OF ILLINOIS (MG/L) COLD DIGEST	7440473
81218	COPPER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
81220	LEAD, STATE OF ILLINOIS, MG/L, COLD DIGEST	7439921
81222	NICKEL - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440020
81223	SILVER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440224
81224	ZINC - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440666
81642	SILVER (AG) IN WATER POUNDS PER DAY (LBS/DAY)	7440224
81750	COPPER, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440508
81751	LEAD, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7439921
81752	NICKEL, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440020
81753	CADMIUM, INTERSTITIAL WATER FROM SEDIMENT	7440439
81754	ZINC, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440666
81766	HEPTACHLOR EPOXIDE IN EPILITHIC ALGAE SED. (UG/KG)	1024573
81931	MERCURY (HG) SUSPENDED FRACTION OF WATER (UG/G)	7439976
81932	CADMIUM (CD) SUSPENDED FRACTION OF WATER (UG/G)	7440439
81933	ZINC (ZN) SUSPENDED FRACTION OF WATER (UG/G)	7440666
81934	LEAD (PB) SUSPENDED FRACTION OF WATER (UG/G)	7439921
81936	LEAD (PB) DISSOLVED CATIONIC SPECIES (UG/L)	7439921
81937	CADMIUM (CD) DISSOLVED CATIONIC SPECIES (UG/L)	7440439
81938	CHROMIUM, DISSOLVED CATIONIC SPECIES (UG/L)	7440473
81939	COPPER (CU) DISSOLVED CATIONIC SPECIES (UG/L)	7440508
81940	ZINC (ZN) DISSOLVED CATIONIC SPECIES (UG/L)	7440666
81941	CHROMIUM, DISSOLVED ANIONIC SPECIES (UG/L)	7440473
81942	COPPER (CU) DISSOLVED ANIONIC SPECIES (UG/L)	7440508
81943	ZINC (ZN) DISSOLVED ANIONIC SPECIES (UG/L)	7440666
82058	CHROMIUM, TOTAL, PERCENT REMOVAL	7440473
82399	CHROMIUM, HEXAVALENT (KG/BATCH)	18540299
82512	M,P-DICHLOROBENZENE (MEASURES 1,3&1,4) TOT. (UG/L)	541731
82573	CYANIDE/CHLORINATION IN WATER (MG/L)	57125
82621	HEXACHLOROBENZENE, WATER, TOTAL RECOVER. (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
82622	ENDRIN ALDEHYDE, WH. WATER, TOTAL RECOVER. (UG/L)	7421934
82623	ENDOSULFAN SULFATE, WATER, TOTAL RECOVER. (UG/L)	1031078
82624	ENDOSULFAN, BETA, WH. WATER, TOTAL RECOVER. (UG/L)	33213659
82626	1,2-DIPHENYLHYDRAZINE, WATER, TOTAL RECOVER. (UG/L)	122667
82627	PARACHLOROMETA CRESOL, WATER, TOTAL RECOVER. (UG/L)	59507
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440382
82704	BERYLLIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440417
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440439
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440473
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440508
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7439921
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7439976
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440020
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440224
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440666
85006	ZINC, TOTAL - (#/DAY)	7440666
85007	CHROMIUM, TOTAL (#/DAY)	7440473
85010	NICKEL, TOTAL - (#/DAY)	7440020
85013	MERCURY, TOTAL - (#/DAY)	7439976

Appendix H

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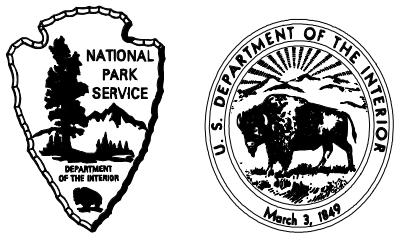
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