Baseline Water Quality Data

Inventory and Analysis

Obed Wild and Scenic River



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

OBED WILD AND SCENIC RIVER

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 Obed Wild and Scenic River (OBRI) 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 study area from the IFD, DRINKS, GAGES, and DAMS databases located 42 industrial/municipal dischargers; six drinking water intakes; 15 active or inactive U. S. Geological Survey (USGS) water gages (including stream and well); and 31 water impoundments. The results of the STORET retrieval for the study area yielded 32,925 observations for 408 separate parameters collected by the NPS, USGS, EPA, Tennessee Department of Environment and Conservation, and Tennessee Valley Authority at 135 monitoring stations from 1964 through 1998. Approximately 54 percent of the 32,925 observations within the study area were reported by the NPS from 1973 through 1998. Of the 135 monitoring stations, 43 stations were located within the park boundary (see Station Period of Record Tabulation). Three stations within the study area (one within the park boundary) were established but contained no data.

Many of the monitoring stations represent either one-time or intensive single-year sampling efforts by the collecting agencies. Thirty-eight stations within the study area (13 within the park boundary) 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 park boundary are: (1) Clear Creek at the Barnett Bridge (Waltman Ford) (OBRI 0075); (2) Clear Creek at the Lilly Bridge (OBRI 0048); (3) Emory River at the Nemo Bridge (OBRI 0033); (4) mouth of Rock Creek above the Nemo Bridge (OBRI 0035); (5) White Creek mouth above the Barnett Bridge (Waltman Ford) (OBRI 0078); and (6) Emory River upstream of the mouth of Obed River (OBRI 0024). The stations yielding the longest-term records within the study area, but outside of the park boundary, are: (1) Daddys Creek at Devils Breakfast Table (OBRI 0071); (2) Otter Creek at the Catoosa Road Bridge (OBRI 0088); (3) Obed River downstream of the Adams Bridge (OBRI 0104); (4) Crooked Fork near Wartburg (OBRI 0005); and (5) Adams Bridge (OBRI 0106)[†].

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 OBRI water quality criteria screen found 13 groups of parameters that exceeded screening criteria at least once within the study area. Dissolved oxygen, pH, cadmium,

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

copper, silver, and zinc exceeded their respective EPA criteria for the protection of freshwater aquatic life. Sulfate, cadmium, chromium, and lead 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 1,574 at 102 monitoring stations from 1967 through 1998. Of the 1,568 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 36 observations at 14 stations were less than or equal to the 4 milligrams per liter (mg/L) EPA criterion for the protection of aquatic life from 1967 through 1998.

The pH was measured 1,672 times at 120 monitoring stations from 1965 through 1998. Four-hundred-five observations at 71 stations were outside the pH range of 6.5 to 9.0 standard units (SU) (EPA chronic criteria for freshwater aquatic life) from 1965 through 1998. All of these 405 observations were less than or equal to pH 6.5. Two-hundred-forty-five of the 405 observations were reported at 27 stations within the park boundary from 1966 through 1997. The lowest pH of 3.2 SU was reported at two stations, Crooked Fork downstream of Potter's Falls (OBRI 0008) and Camp Branch near the Nemo Bridge (OBRI 0044), in December 1984 and August 1980, respectively.

Turbidity concentrations were measured 1,523 times at 87 monitoring stations from 1967 through 1998. Thirty concentrations at 21 stations equaled or exceeded the WRD screening criterion of 50 Jackson Candle/Formazin/Nephelometric Turbidity Units (JTU/FTU/NTU) from 1967 through 1987. The highest concentration of 2,800 NTU was reported within the park in Clear Creek at the Barnett Bridge (Waltman Ford) (OBRI 0077) in October 1979.

Total coliform concentrations were measured 484 times at 38 monitoring stations from 1967 through 1997. One-hundred-fourteen concentrations at 28 stations equaled or exceeded the WRD bathing water screening criterion of 1,000 Colony Forming Units/Most Probable Number per 100 milliliters (CFU/MPN/100 ml) from 1967 through 1987. Approximately 55 percent of the observations exceeding the criterion were reported at ten stream stations near Crossville (OBRI 0113, OBRI 0115, OBRI 0118, OBRI 0121, OBRI 0123, OBRI 0124, OBRI 0128, OBRI 0133, OBRI 0134, OBRI 0135) from 1967 through 1976, including the highest concentration of 3,900,000 MPN/100 ml in the Obed River upstream of the Crossville Sewage Treatment Plant (OBRI 0128) in October 1967. Fecal coliform concentrations were measured 1,188 times at 75 monitoring stations from 1967 through 1998. Of the 1,187 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 147 concentrations at 41 stations equaled or exceeded the WRD bathing water screening criterion of 200 CFU/MPN/100 ml from 1967 through 1998. The highest concentration of 1,350,000 CFU/100 mL was reported in the Obed River at the U. S. Route 70N Bridge (OBRI 0121) in August 1967.

Total alkalinity was determined by low-level (less than 10 mg/L as $CaCO_3$) gran analysis three times at three monitoring stations (OBRI 0089, OBRI 0109, OBRI 0111) during 1986. Two concentrations, -9.9 microequivalents per liter (µeq/L) in an unnamed stream northeast of Jonesville (OBRI 0089) and 49.4 µeq/L in Wallace Branch (OBRI 0111), were below the NPS Air Resources Division's 200 µeq/L threshold, indicating sensitivity to acid deposition in May and April 1986, respectively.

Sulfate concentrations (including dissolved and total) were measured 1,569 times at 98 monitoring stations from 1965 through 1998. Three concentrations, ranging from 250 mg/L to 262 mg/L at three stations in Crooked Fork near Wartburg (OBRI 0005, OBRI 0008, OBRI 0010), equaled or exceeded the drinking water criterion of 250 mg/L during 1967 and 1984. The highest concentration of 262 mg/L was reported in Crooked Fork at the U. S. Route 27 Bridge (OBRI 0005) in September 1967.

Cadmium concentrations (including dissolved and total) were measured 138 times at 40 monitoring stations from 1975 through 1998. Of the 136 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), ten total concentrations at ten

stations, in the Obed River (OBRI 0064, OBRI 0098, OBRI 0105, OBRI 0120), Emory River (OBRI 0023, OBRI 0027), Clear Creek (OBRI 0049, OBRI 0055), Rock Creek near the Nemo Bridge (OBRI 0037), and Daddys Creek at Devils Breakfast Table (OBRI 0070), exceeded the acute freshwater criterion of 3.9 micrograms per liter (µg/L) during 1980 and 1986. Seven of these ten observations were reported from seven stations within the park (OBRI 0023, OBRI 0027, OBRI 0037, OBRI 0049, OBRI 0055, OBRI 0064, OBRI 0098) in June 1980. The highest concentration of 10 µg/L, reported nine times at nine stations (OBRI 0023, OBRI 0027, OBRI 0037, OBRI 0049, OBRI 0055, OBRI 0064, OBRI 0070, OBRI 0098, OBRI 0105), also exceeded the drinking water criterion of 5 µg/L in June 1980.

Total chromium concentrations were measured 156 times at 42 monitoring stations from 1975 through 1998. Seven concentrations, ranging from 100 µg/L to 300 µg/L at seven stations, within the park in Clear Creek (OBRI 0049, OBRI 0077, OBRI 0090), Emory River (OBRI 0023, OBRI 0027), and Obed River at Obed Junction (OBRI 0064), and outside the park boundary in Daddys Creek at Devils Breakfast Table (OBRI 0070), equaled or exceeded the drinking water criterion of 100 µg/L in November 1979. The highest concentration of 300 µg/L was reported within the park in Clear Creek at Norris Ford (OBRI 0090).

Copper concentrations (including dissolved and total) were measured 311 times at 71 monitoring stations from 1967 through 1998. Forty-three total concentrations at 18 stations exceeded the acute freshwater criterion of 18 µg/L from 1967 through 1982. The highest concentration of 250 µg/L was reported in Daddys Creek at the Antioch Bridge (OBRI 0085) in December 1967.

Lead concentrations (including dissolved and total) were measured 192 times at 49 monitoring stations from 1975 through 1998. Of the 181 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), three total concentrations, ranging from 16 µg/L to 24 µg/L at two stations, Crooked Fork downstream from Potter's Falls (OBRI 0008) and Obed River at the U.S. Route 70N Bridge (OBRI 0120), exceeded the drinking water criterion of 15 µg/L from 1983 through 1988. The highest concentration of 24 µg/L was reported in Crooked Fork downstream from Potter's Falls (OBRI 0008) in September 1984.

Silver concentrations (including dissolved and total) were measured 17 times at ten monitoring stations from 1975 through 1996. One total concentration of 20 µg/L in the Emory River at the Montgomery Road Bridge (OBRI 0016) exceeded the acute freshwater criterion of 4.1 µg/L in November 1976.

Zinc concentrations (including dissolved and total) were measured 307 times at 71 monitoring stations from 1967 through 1998. Twenty-nine total concentrations at 19 stations equaled or exceeded the acute freshwater criterion of 120 µg/L from 1967 through 1980. The highest concentration of 1,000 µg/L was reported in Rock Creek above the mouth of Camp Branch (OBRI 0045) in June 1979.

The IDEA conducted for OBRI indicates that STORET data exist for all 13 Level I parameter groups in the study area. For the groups Flow and Phosphate/Phosphorus, less than 18 percent of the observations were recorded since 1985. Overall, approximately 48 percent of the observations for Level I parameter groups were recorded since 1985. Data for two groups (Flow and Chlorophyll) were recorded at less than half of the 132 monitoring stations with data. Relative to other parameter groups, data were limited for the group Chlorophyll. Results for 118 of the 126 EPA priority toxic pollutants (consisting of inorganic and organic parameters, metals, pesticides, and PCB's) were retrieved from STORET.

Surface water resources in the OBRI study area include the Obed and Emory Rivers; Clear, Daddys, White, Crooked Fork, Otter, and numerous other creeks; Tansi, Holiday, and many other reservoirs; and Boiling, Dripping, and other 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 municipal and industrial wastewater discharges; mining and logging operations; urban and residential development; oil and gas exploration; agricultural activities; 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.

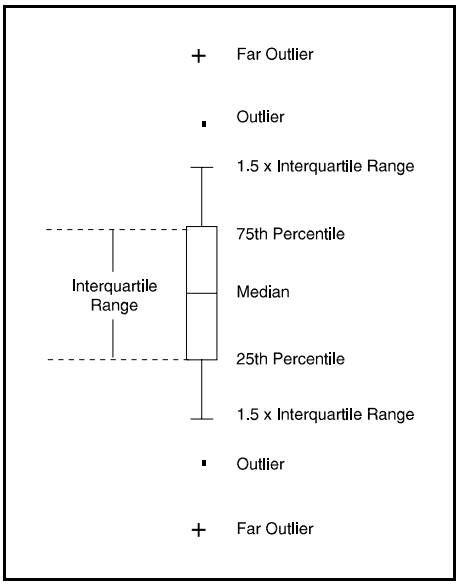
Table H. Definition of Descriptive Statistics Contained in Inventory, Annual, and Seasonal Tables

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 OBRI

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:	462766	5325
# STORET Stations:	135	43
# Stations With No Data:	3	1
# Stations With No Stat. Analysis:	0	0
# Longer Term Stations:	38	13
Date of STORET Retrieval:	08/11/99	08/11/99
Period of Record:	10/30/64-12/01/98	10/30/64-11/24/98
# Parameters Measured:	408	388
# Water Quality Observations:	32925	15030
# Industrial/Municipal Facilities:	42	0
# Drinking Water Intakes:	6	0
# Water Gages:	15	2
# Water Impoundments:	31	0
# Total Plots:	110	69
# Time Series:	103	68
# Annual:	0	0
# Seasonal:	7	1

Hydrologic Definition of Seasons:

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

Time Series Plot Criteria:

To be included in the time series plots, a station/parameter combination must have at least 14 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 5 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.

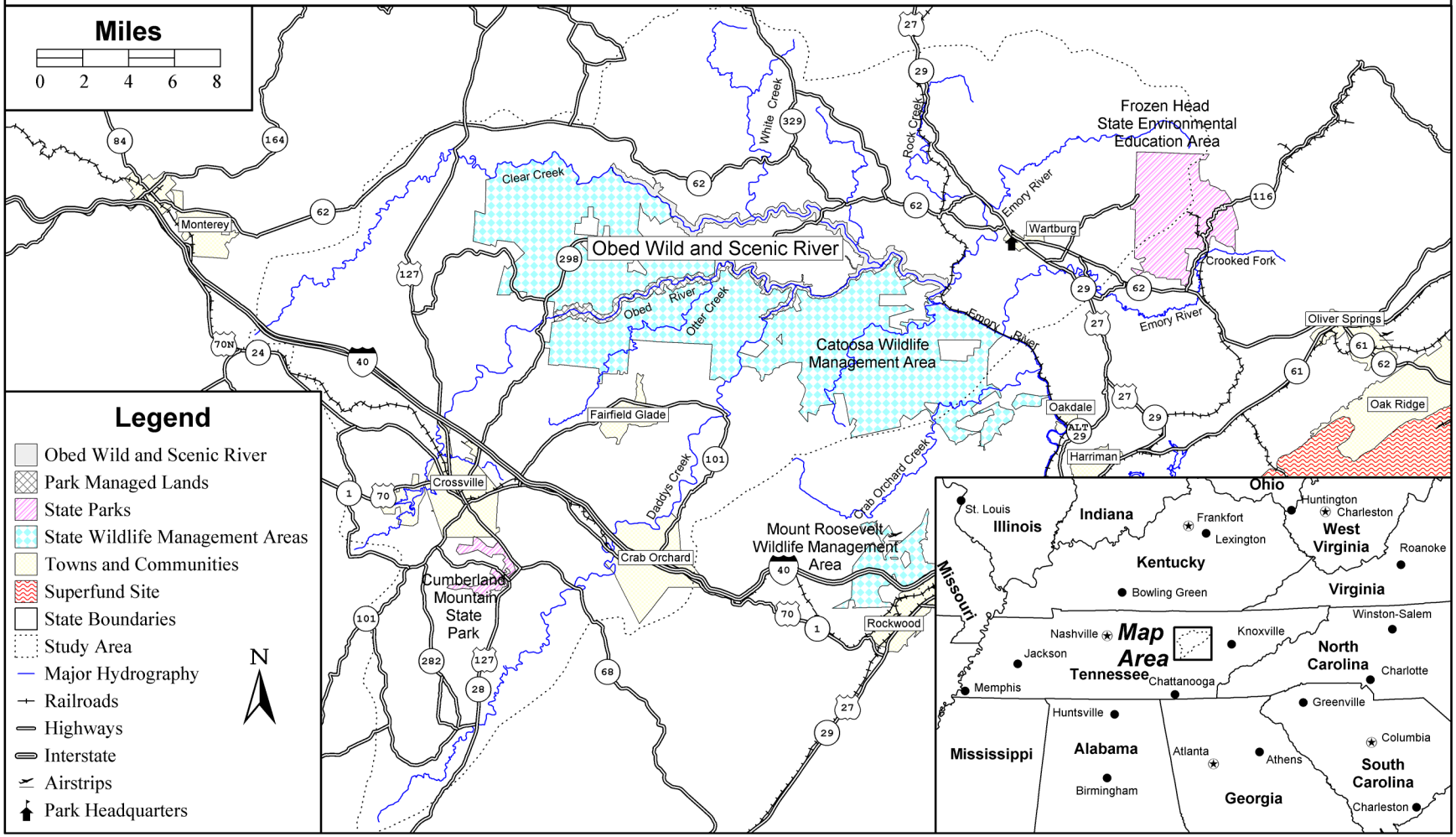
Seasonal Analysis Criteria:

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 15 years and observations in at least 4 of the 15 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.

Obed Wild and Scenic River

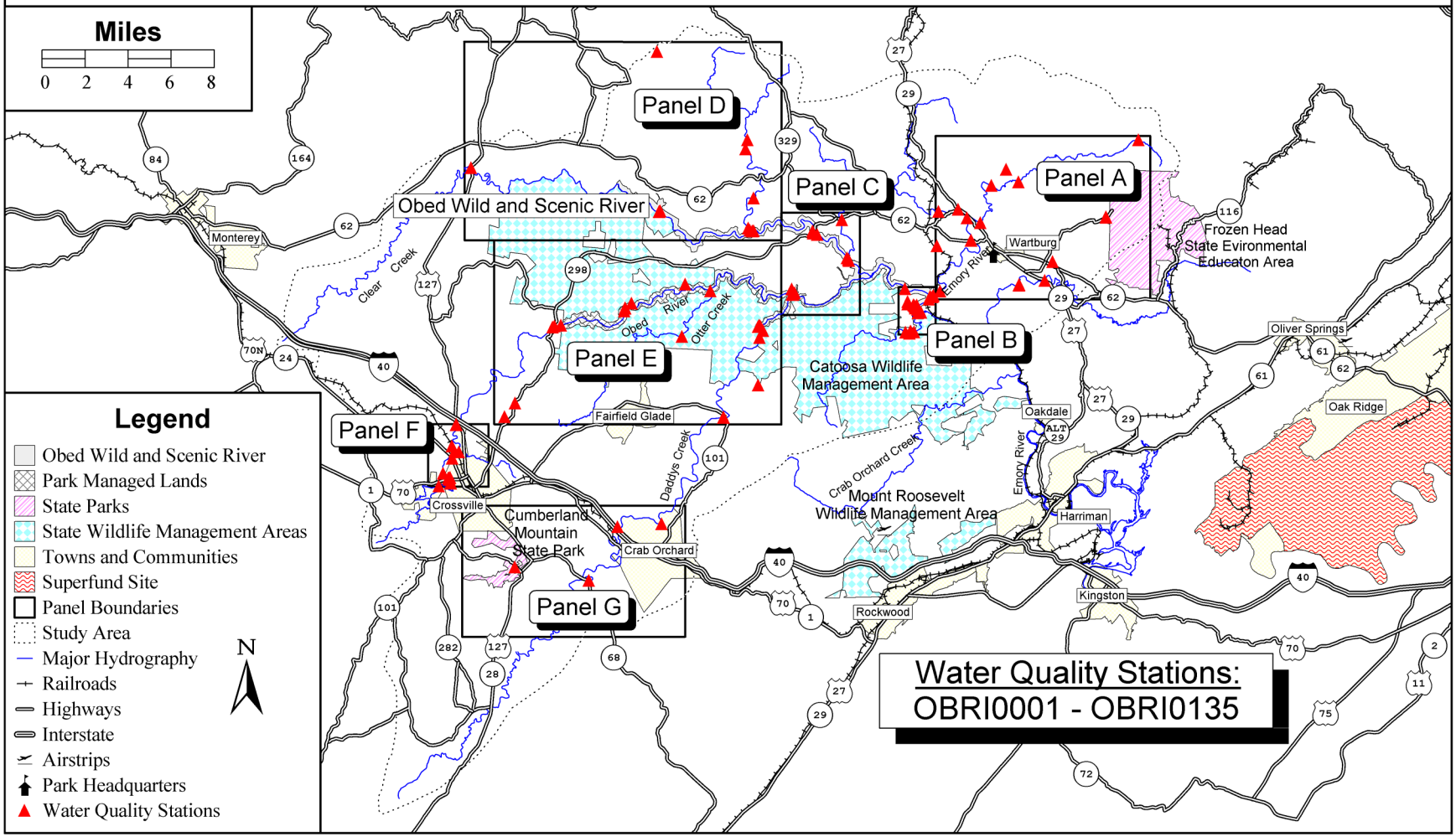
Regional Location Map



Obed Wild and Scenic River

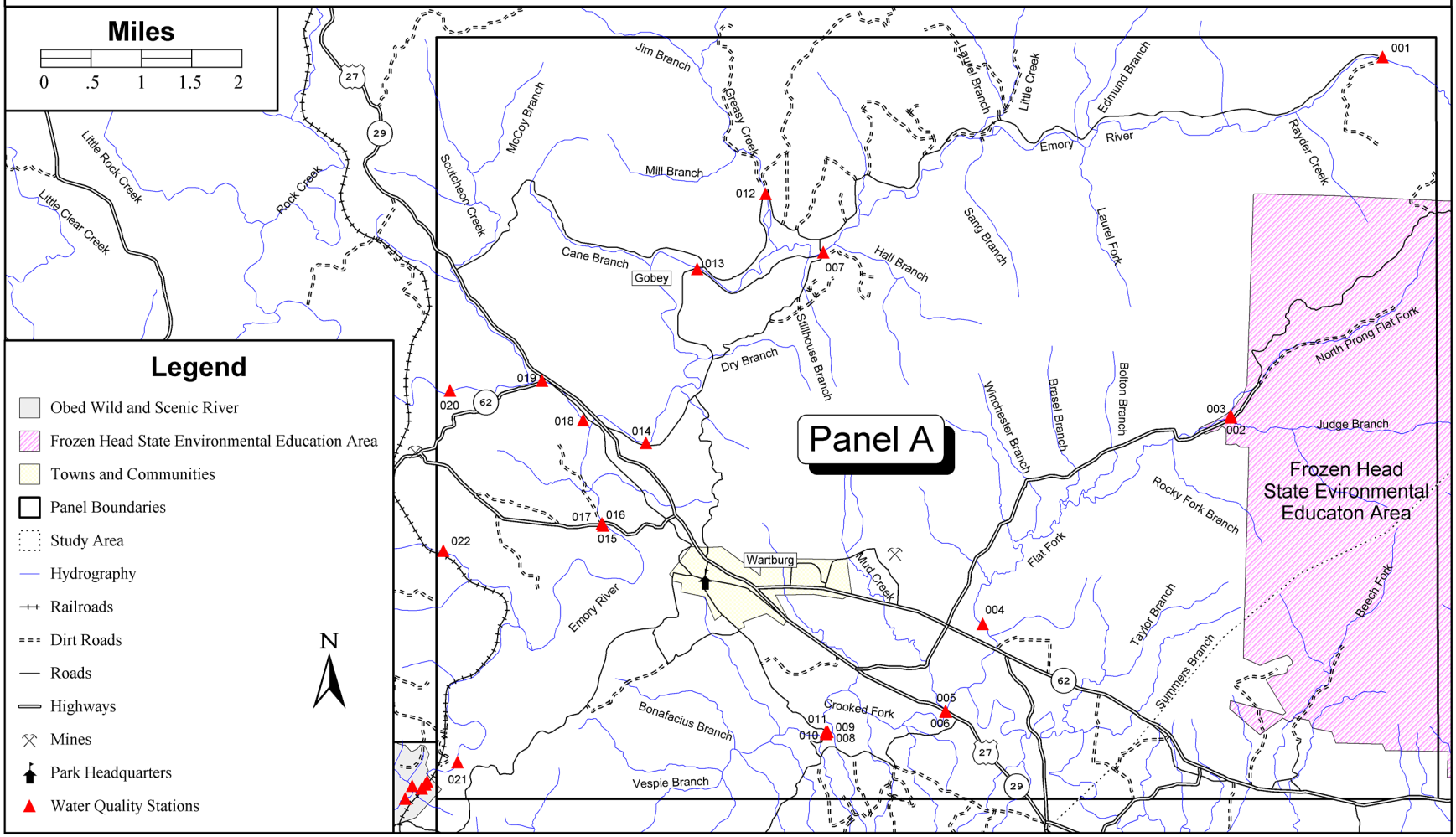
Water Quality Monitoring Locations

Graphic Panel Index



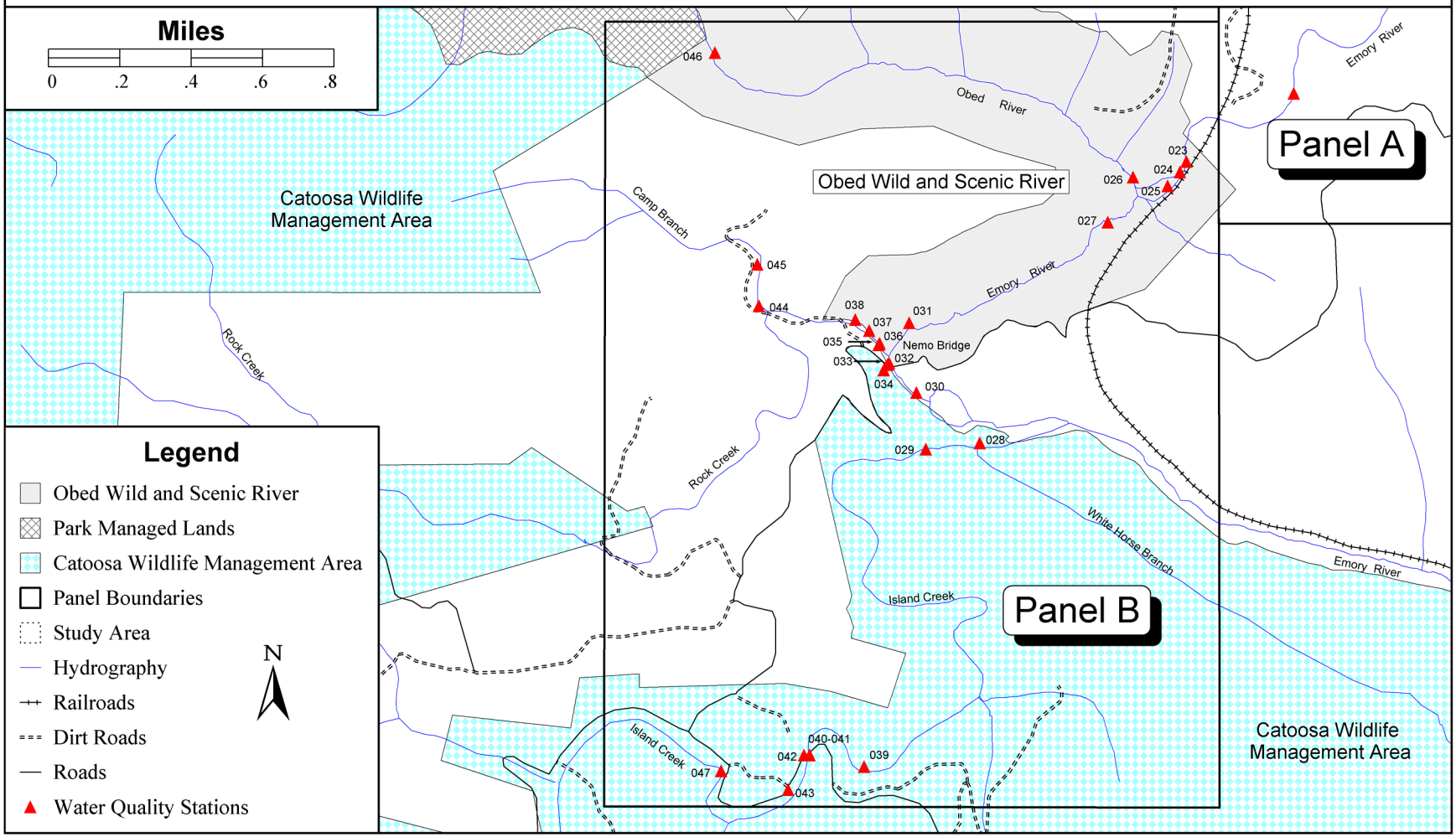
Obed Wild and Scenic River

Water Quality Monitoring Locations



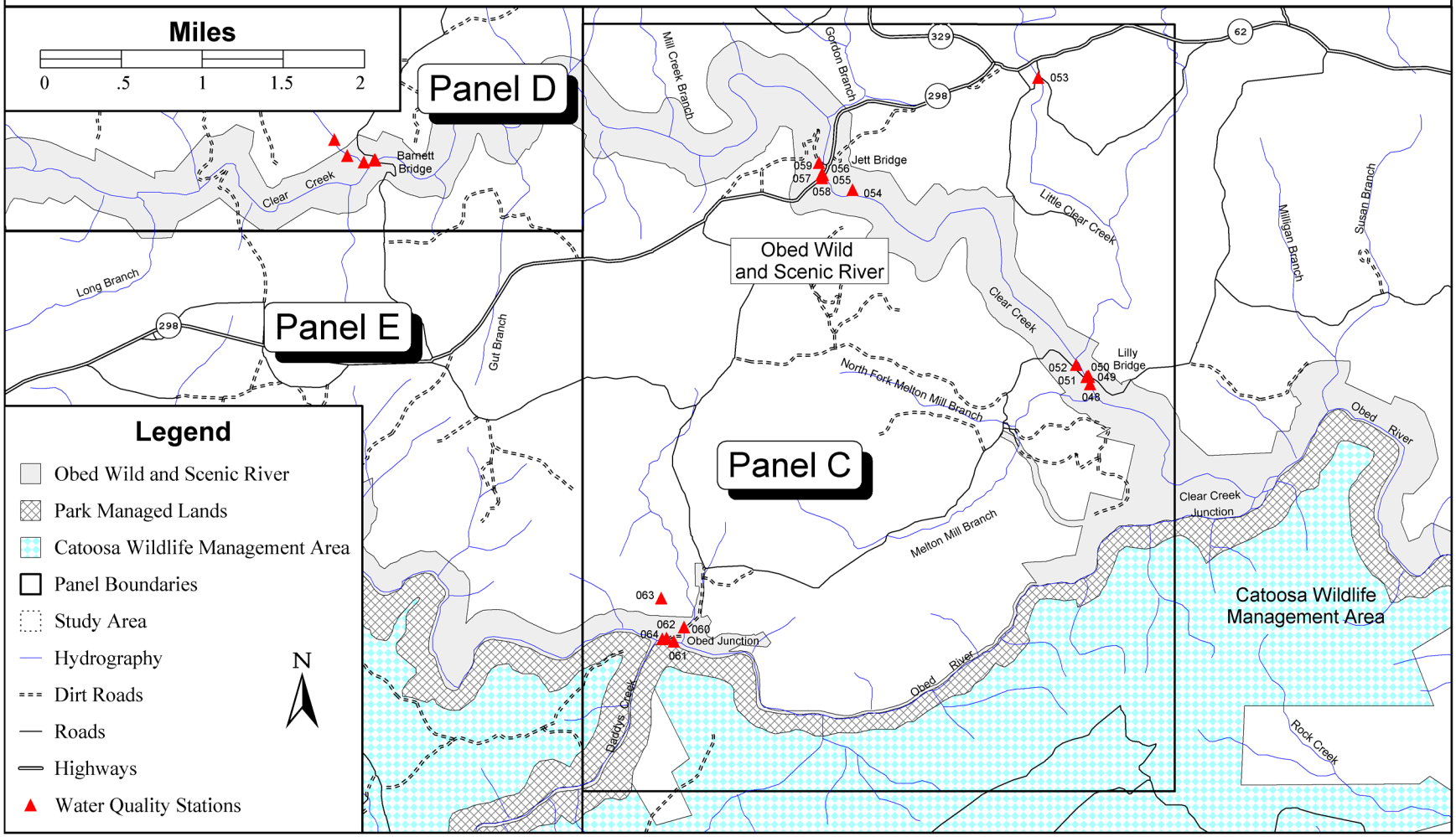
Obed Wild and Scenic River

Water Quality Monitoring Locations



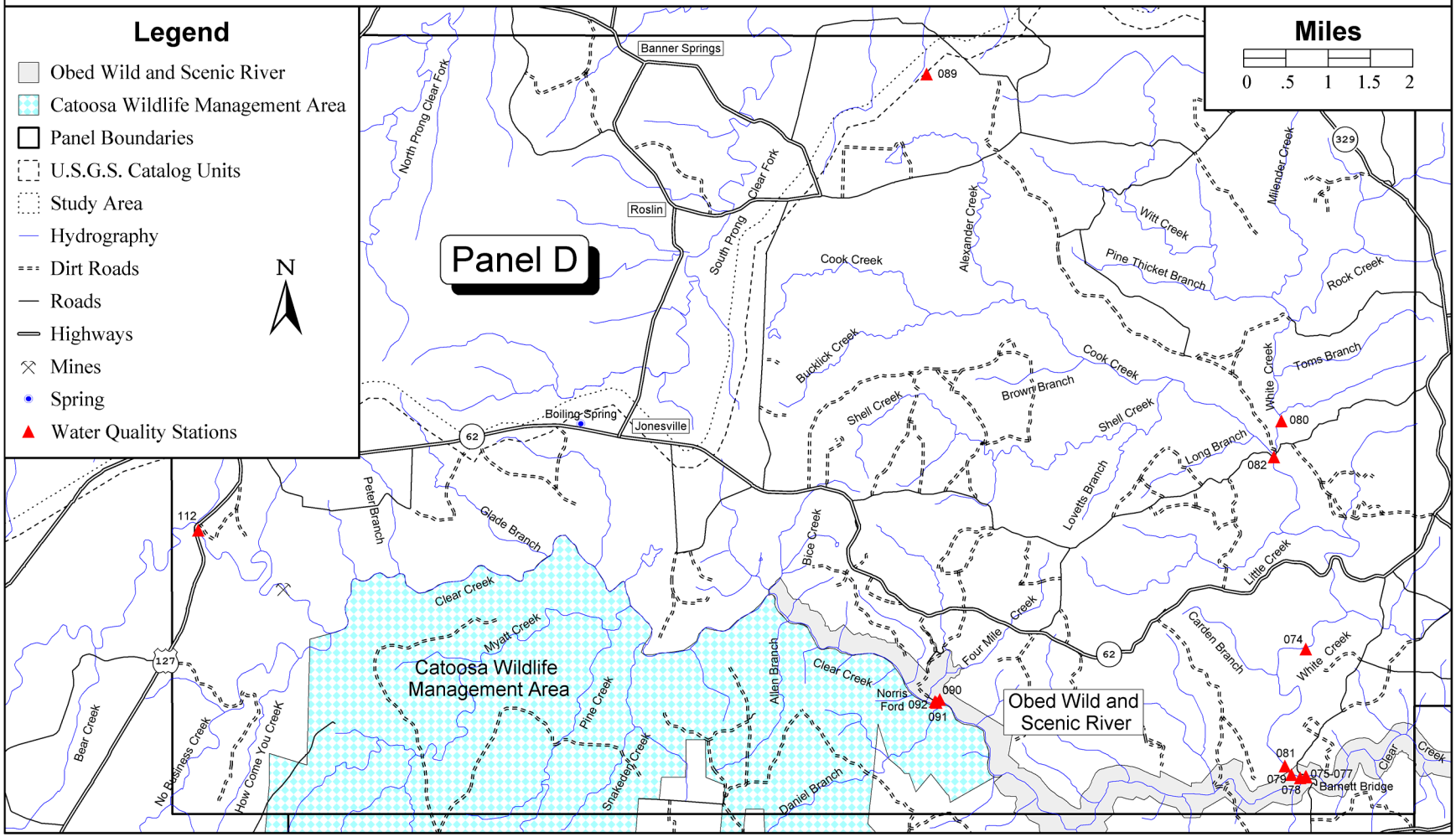
Obed Wild and Scenic River

Water Quality Monitoring Locations



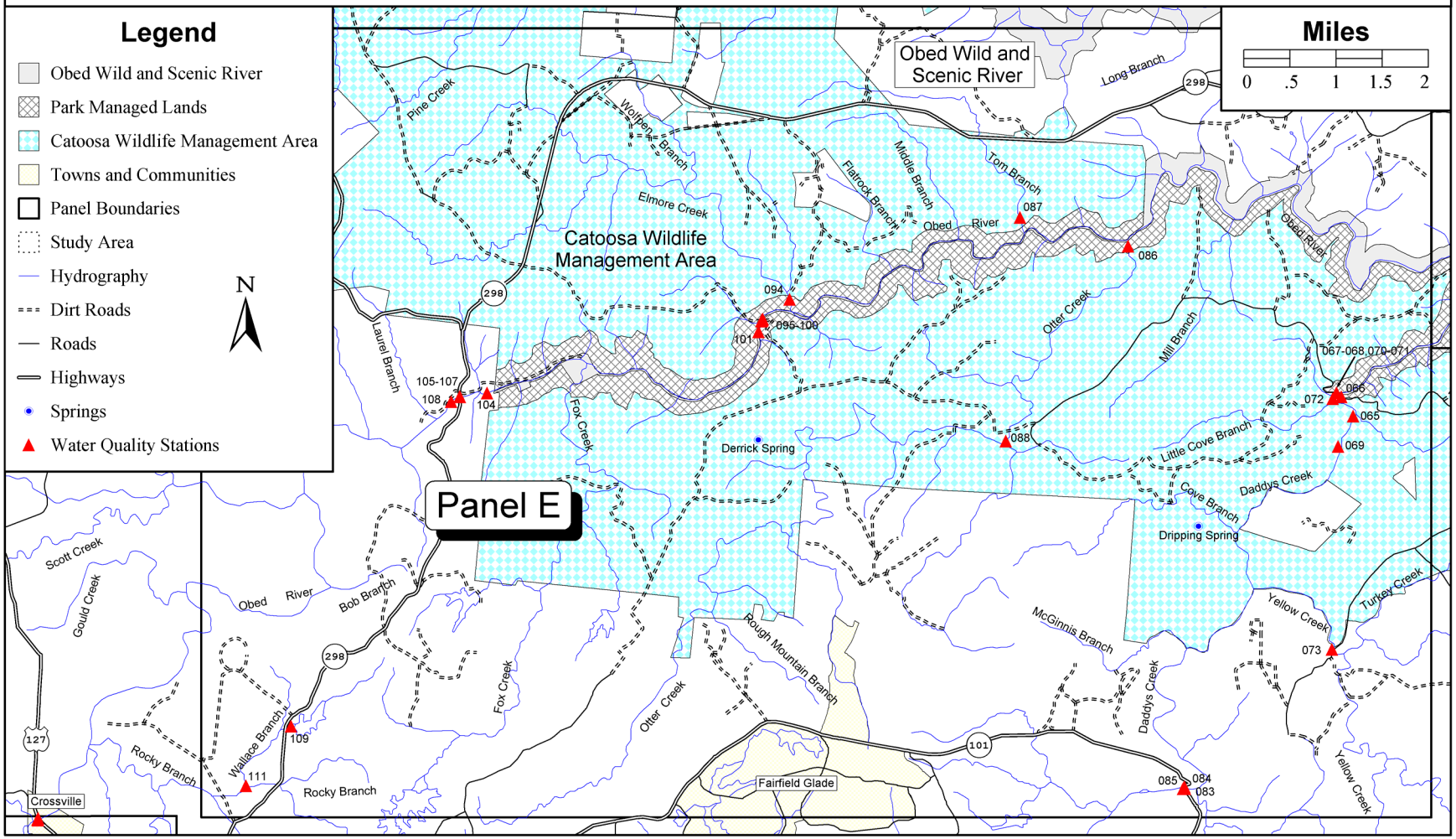
Obed Wild and Scenic River

Water Quality Monitoring Locations



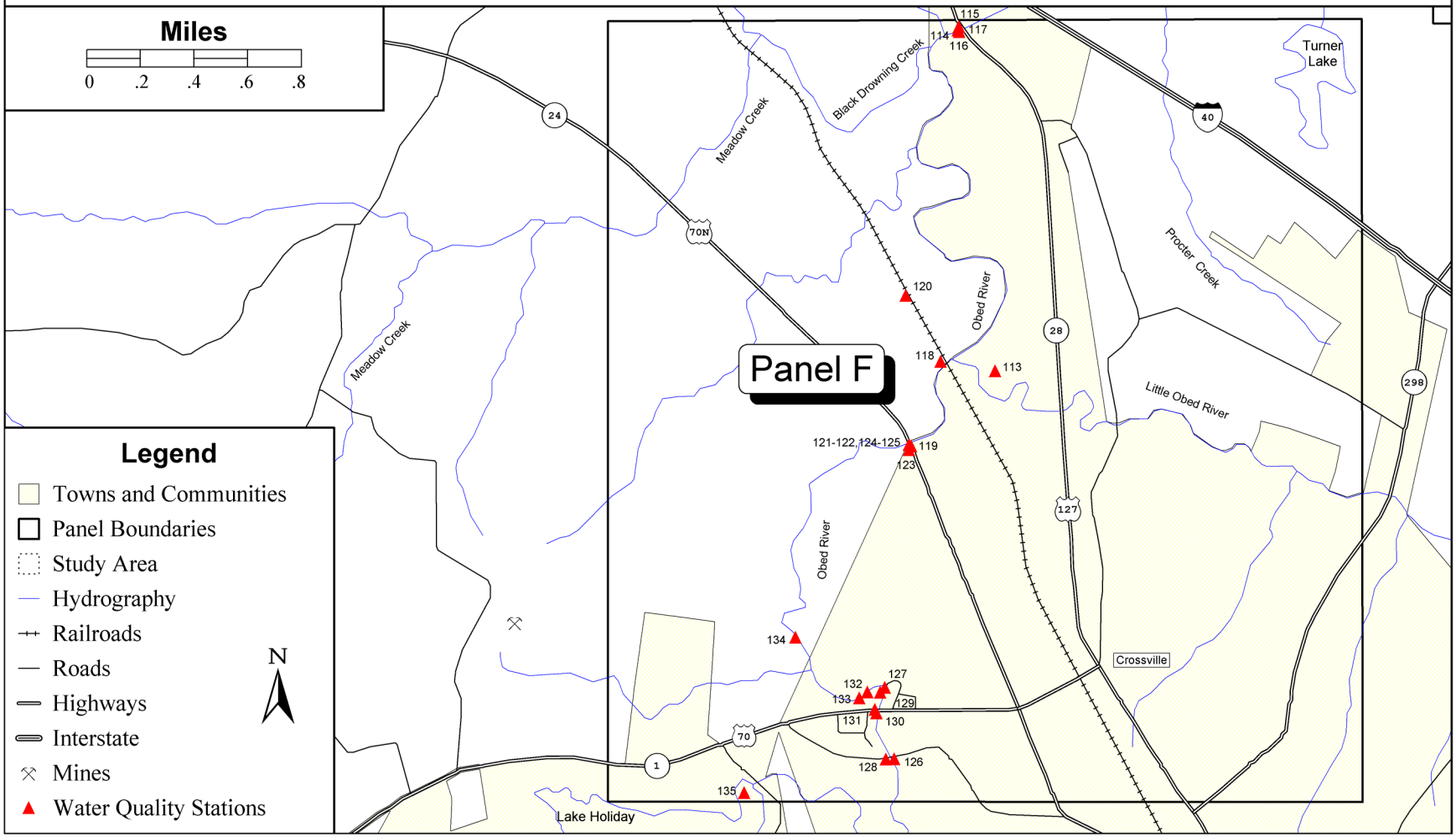
Obed Wild and Scenic River

Water Quality Monitoring Locations



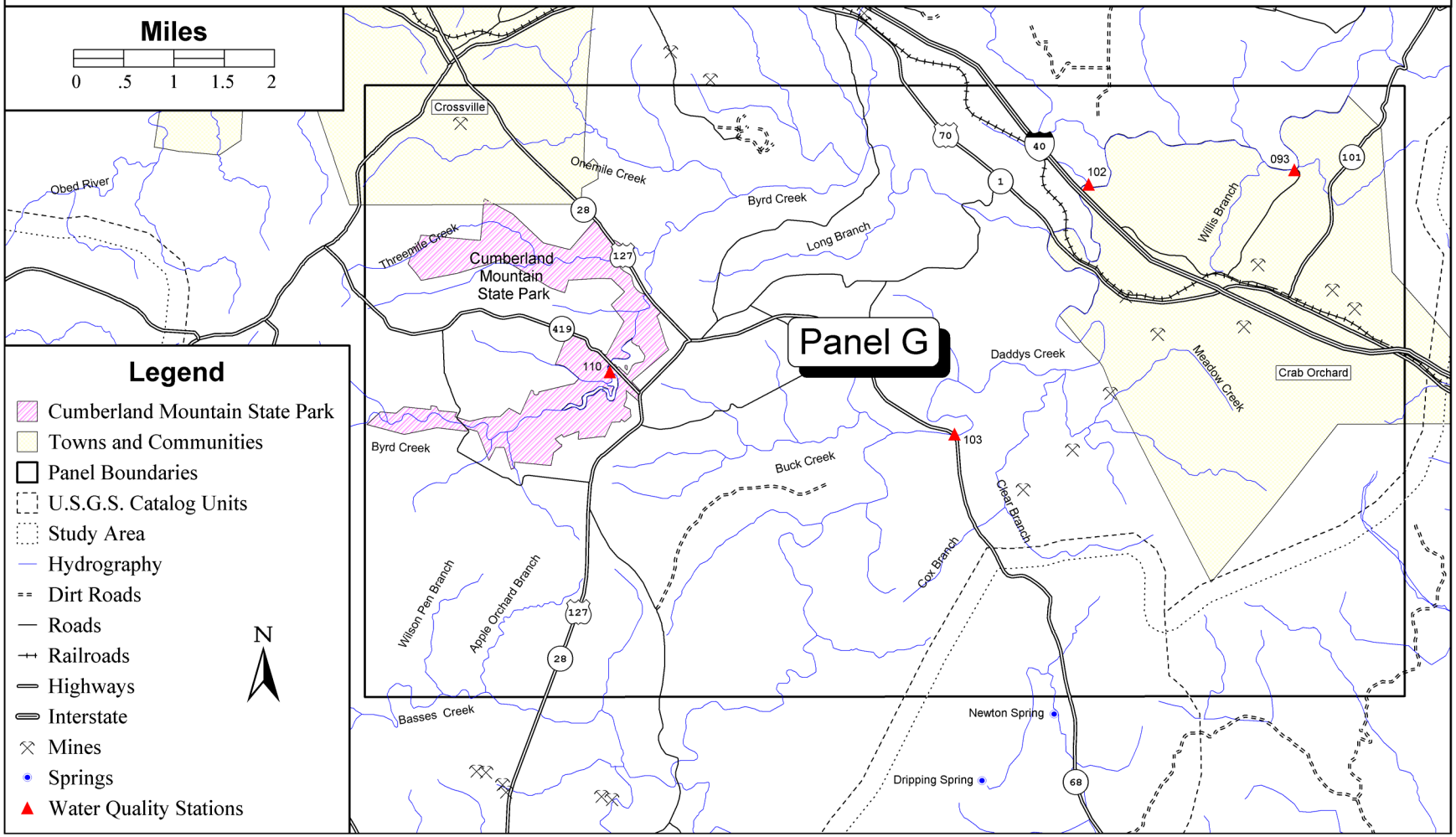
Obed Wild and Scenic River

Water Quality Monitoring Locations



Obed Wild and Scenic River

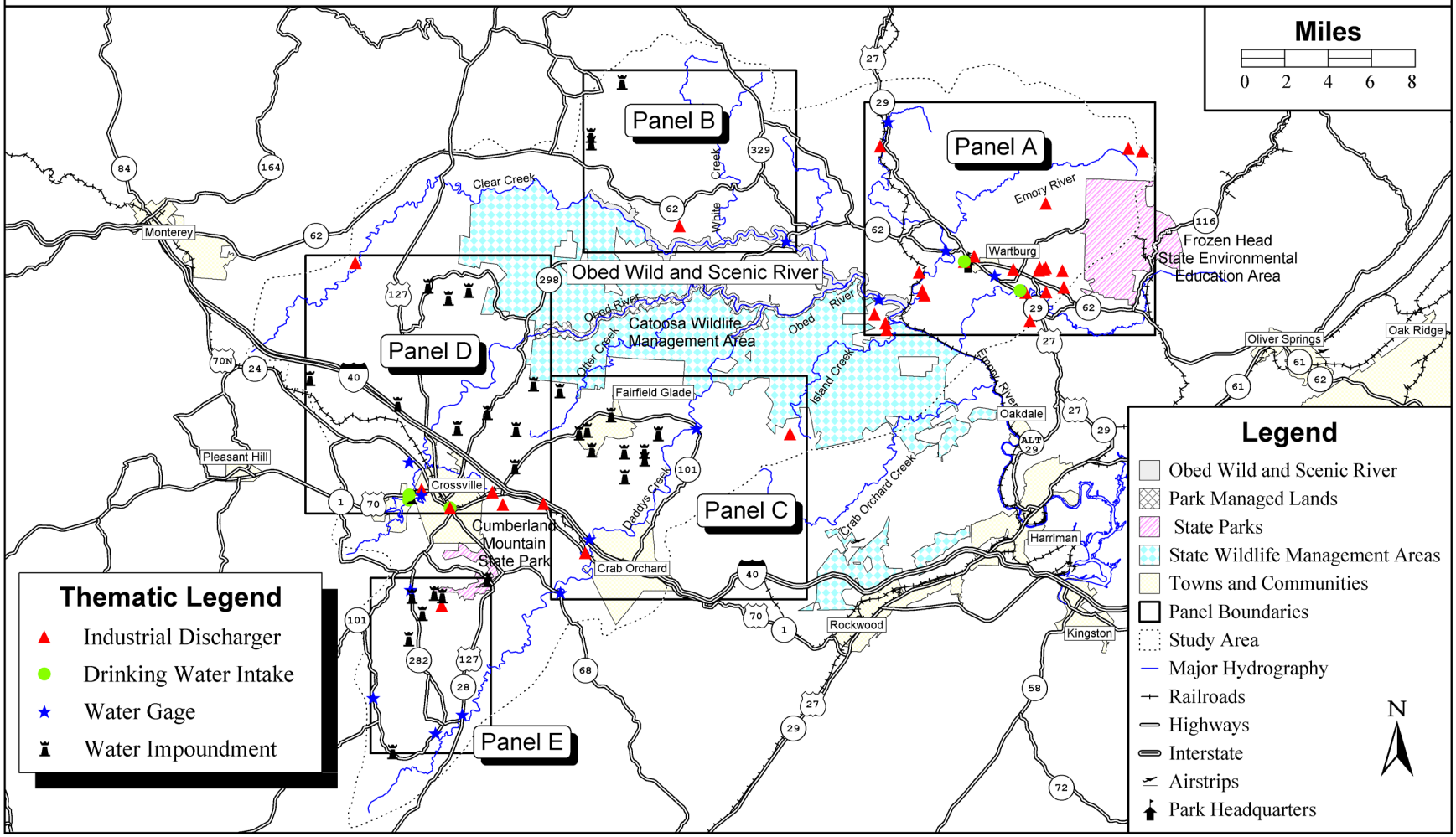
Water Quality Monitoring Locations



Obed Wild and Scenic River

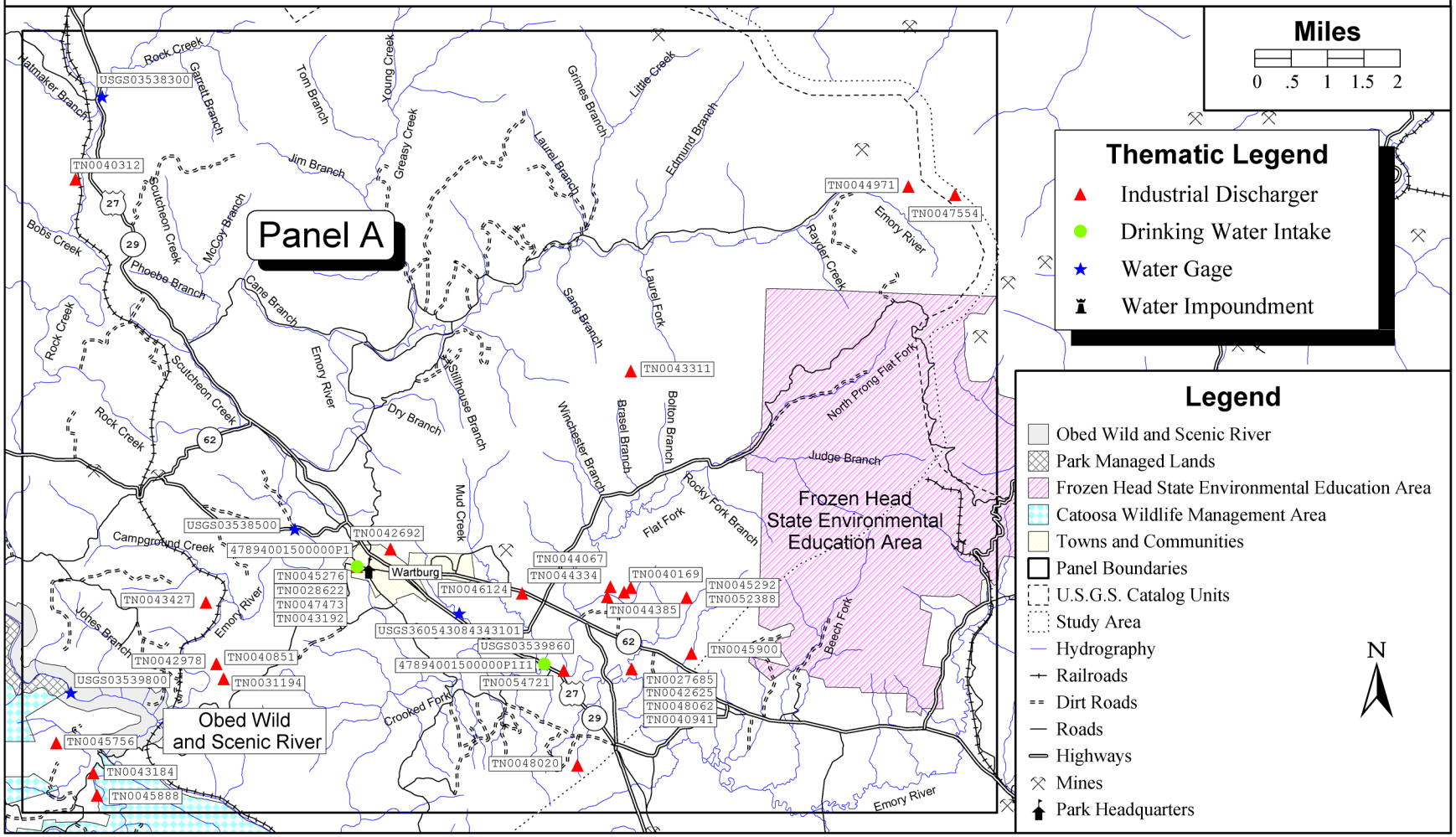
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments

Graphic Panel Index



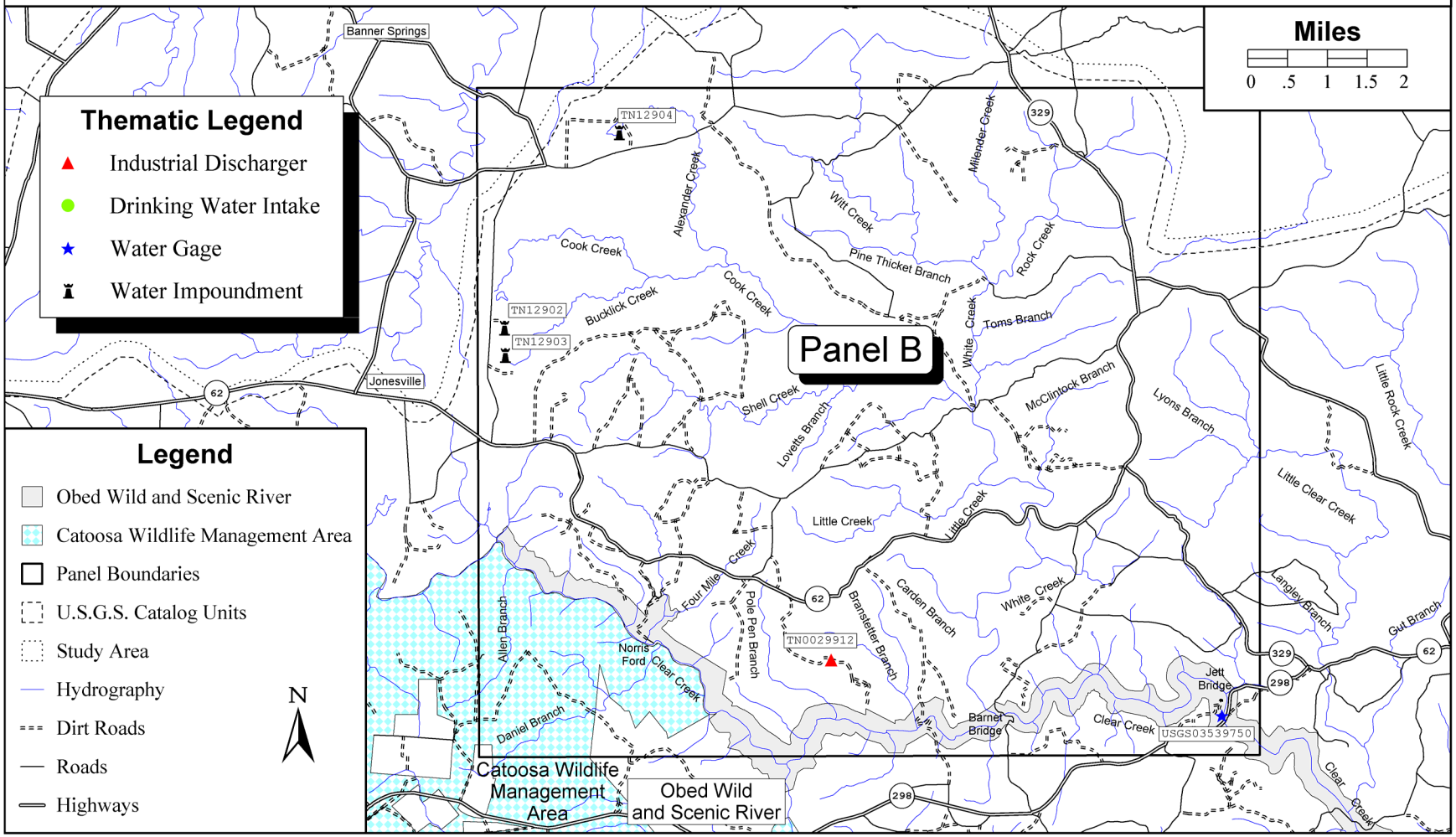
Obed Wild and Scenic River

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



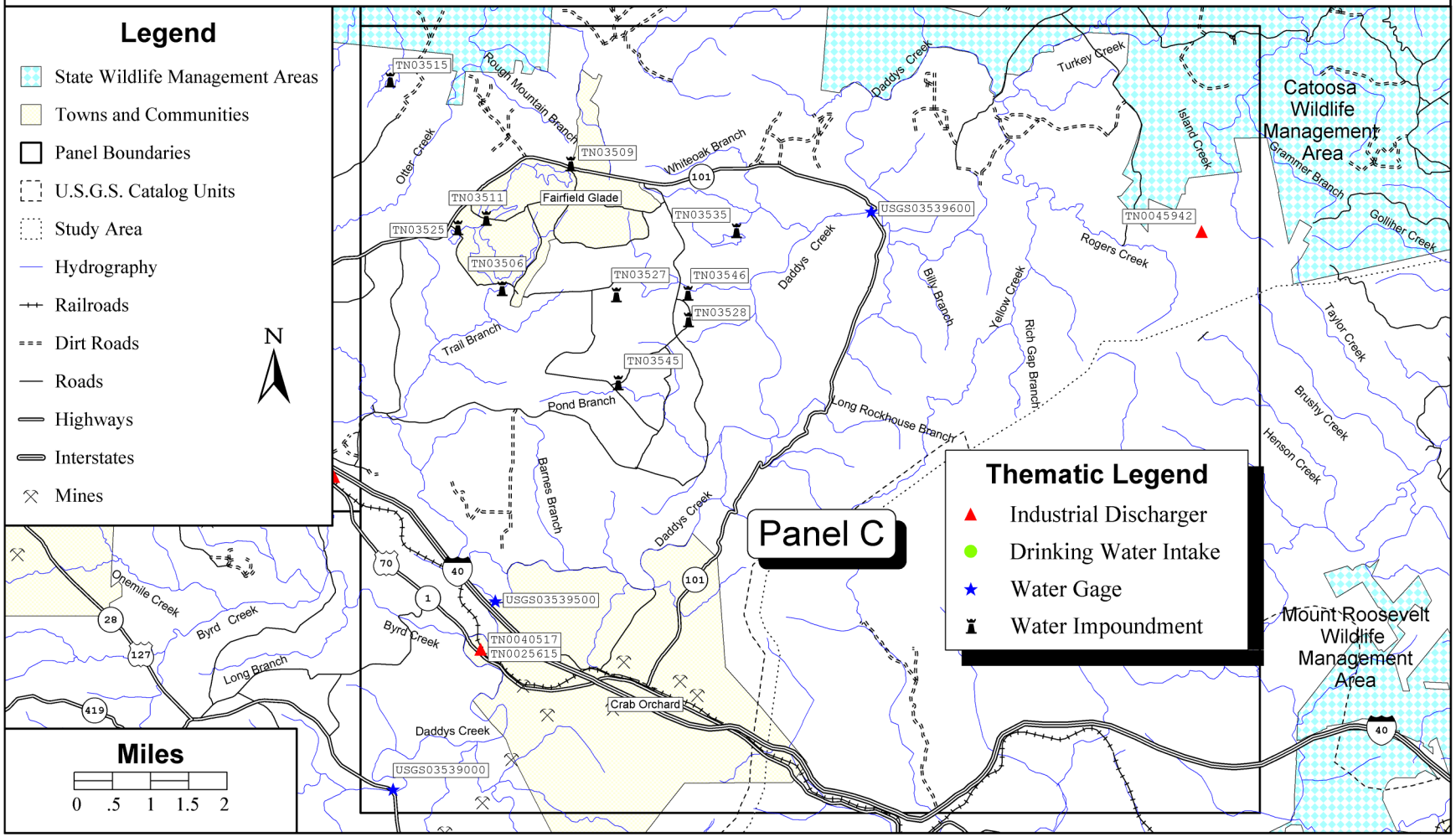
Obed Wild and Scenic River

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



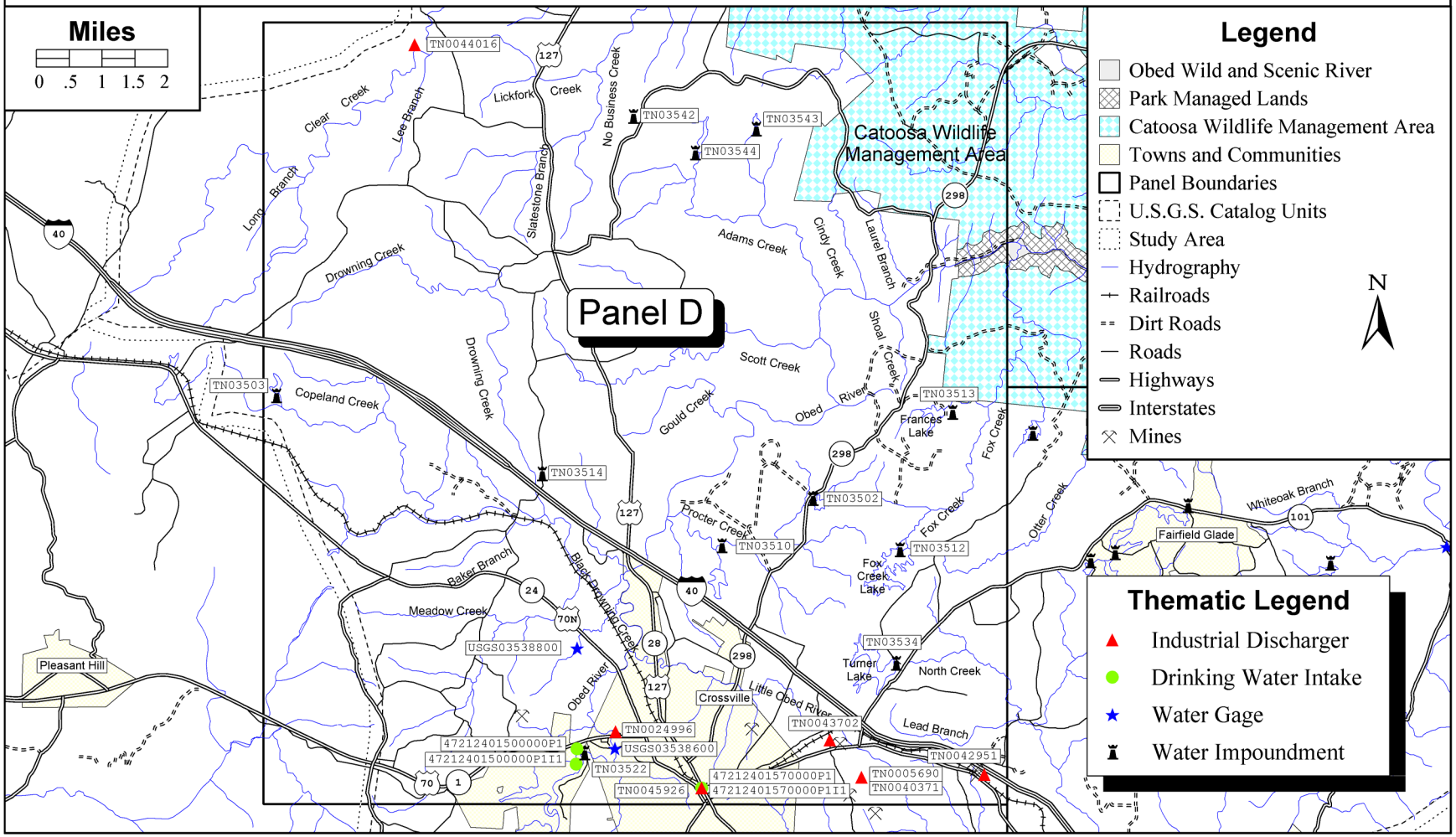
Obed Wild and Scenic River

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



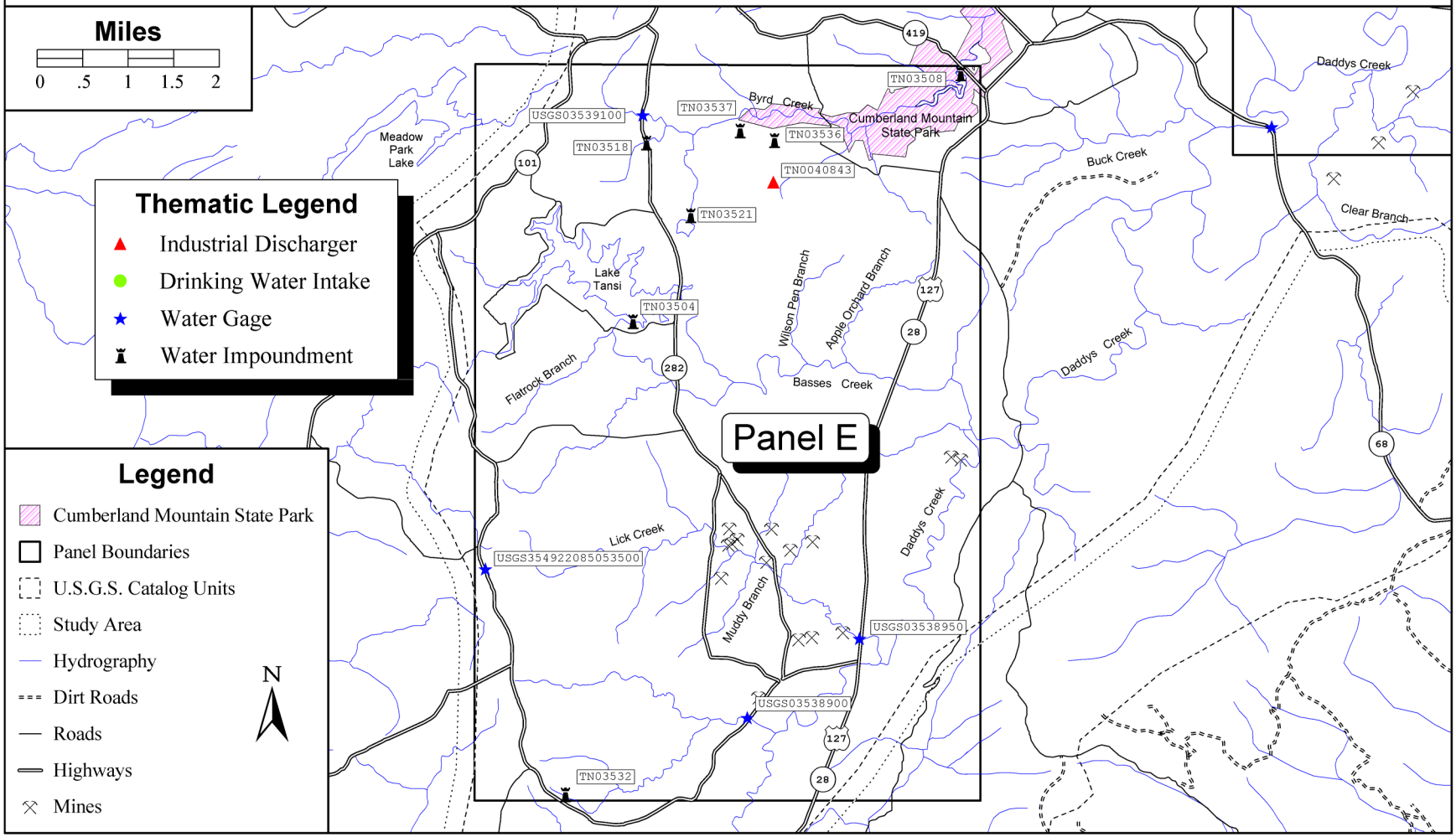
Obed Wild and Scenic River

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



Obed Wild and Scenic River

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



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

Industrial Facility Discharges

Site ID	Station/Facility Name	Address	City	Facility Receiving Water Name
TN0005690	CROSSVILLE RUBBER PRODUCTS,INC	PO BOX 729	CROSSVILLE	OBED RI AT MI 1.
TN0024996	CROSSVILLE STP	HWY 70 SOUTH	CUMBERLAND CNTY	OBED RV
TN0025615	FAIRFIELD GLADE STP	.....	CUMBERLAND CNTY	DADDYS CR
TN0027685	LONGWA #2 MINE WARTBURG	P.O. BOX 11905	KNOXVILLE	CROOKED FORK CR
TN0028622	WARTBURG SEWER SYSTEM	.....	MORGAN COUNTY	CROOKED FORK CR
TN0029912	DIXIE PINE ANTHRAS TIPPLE	P. O. BOX 119	LA FOLLETTE	CLEAR FORK
TN0031194	EWELL SPRADLIN COAL AREA #8	ROUTE 3	LAFOLETTE	PERKINS HOLLOW S
TN0040169	P & N COAL AREAS #2 & #3	ROUTE 1	OLIVER SPRINGS	TAYLOR BR
TN0040312	A & W AUGER CORP AREA #14	P.O.BOX 117	EMORY GAP	SCUTHCHEON CR
TN0040371	UNIVERSAL COAL AREA 6B	P.O.BOX 866	COOKEVILLE	CLEAR CR
TN0040517	DAN PAGE COAL AREA #1	.....	.....	MEADOW C
TN0040843	HOLIDAY EQUIP CO MINE #1	.....	.....	SAPP B
TN0040851	BUD COAL AREA #5	P.O.BOX 481	ONEIDA	ROCK CR
TN0040941	DAUGHERTY & VANN COAL JONES BR	ROUTE 1,BOX 155	WARTBURG	JONES BR
TN0042625	A & W AUGER CORP AREA #15	HWY 62	WARTBURG	RECVG STRM MUD C
TN0042692	G & F COAL AREA #23	.....	WARTBURG	LAUREL F
TN0042951	UNITED MINERALS DADDY'S CREEK	.....	.....	TR OF DADDY'S C
TN0042978	SITE DEVELOPERS #1	.....	.....	EMORY R
TN0043184	G & M COAL MINE #1	.....	.....	ISLAND C
TN0043192	B & W COAL MINE #2	.....	WARTBURG	EMORY R
TN0043311	D & W COAL #3	.....	.....	SANG B
TN0043427	REPUBLIC COAL AREAS #1 & #2	.....	.....	ROCK C
TN0043702	MTN CR GRAINS LITTLE OBED CR	DAYTON SPUR RD	CROSSVILLE	RECVG STRM L OBED C
TN0044016	CALCAN COAL MINE #1	.....	.....	RECVG STRM CLEAR C
TN0044067	VEM COAL #1	ROUTE 2,BOX 137 A	HARRIMAN	JONES BR
TN0044334	A & W AUGER CORP #17	.....	.....	RECVG STRM MUD C
TN0044385	DAUGHERTY & VANN AREA #1 & #1A	ROUTE 1,BOX 155	WARTBURG	JONES BR
TN0044971	B & W COAL #1	.....	.....	RECVG STRM EMORY R
TN0045276	LAUREL FORK COAL TIPPLE	.....	WARTBURG	MIDDLE F
TN0045292	P & N COAL AREAS 4 & 5	.....	.....	TAYLOR B
TN0045756	SKILES COAL MINE #1	.....	.....	TR TO EMORY R
TN0045888	G & M COAL #1	ROUTE #1	HARRIMAN	ISLAND CR
TN0045900	B & D MINING,INC. TIPPLE	PARIS LINDSAY, PRES.	WARTBURG	TAYLOR BR
TN0045926	UNITED MINERALS DAYSVILLE FA	.....	CROSSVILLE	RECVG STRM RAILROAD B
TN0045942	ROBINSON COAL MINE #1	.....	CROSSVILLE	TR TO EMORY R
TN0046124	A & W AUGER CORP AREA 15B	HWY 62	WARTBURG	MUD C
TN0047473	G & F COAL AREA #24	P.O.BOX 125	WARTBURG	LAUREL FORK PHIL
TN0047554	IND FUELS INC AREA #7	.....	.....	SMOKY C
TN0048020	LAUREL FORK TIPPLE #2	P.O.BOX 206	WARTBURG	CROOKED FORK EMO
TN0048062	BOHADO INC TIPPLE #1	ROUTE 6,BOX 24	HARRIMAN	CROOKED FORK EMO
TN0052388	A & W AUGER A18	P.O. BOX 1217	WARTBURG	TAYLOR BRANCH
TN0054721	PLATEAU UTIL DIST WTP	HWY 27	WARTBURG	CROOKED FORK C

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

Drinking Water Intakes

Site ID	Station/Facility Name	City	Population Served	Avg. Daily Production (Gal./Day)
47212401500000P1	TREATMENT PLANT	CROSSVILLE	12153	0000.00
47212401500000P1I1	HILIDAY HILLS LAKE	CROSSVILLE	12153	0000.00
47212401570000P1	TREATMENT PLANT	CROSSVILLE	50	
47212401570000P1I1	LINGER LAKE	CROSSVILLE	50	
47894001500000P1	TREATMENT PLANT	WARTBURG	2611	
47894001500000P1I1	CROOKED FORK CR	WARTBURG	2611	

Water Gages

Site ID	Station Name	Site Type	Drainage Area (Square Miles)	Begin Year	End Year
USGS03538300	ROCK CREEK NR SUNBRI		5.54	1955	1971
USGS03538500	EMORY RIVER NEAR WARTBURG, TENN.	Stream	83.20	1934	1968
USGS03538600	OBED R AT CROSSVILLE	Stream	12.00	1950	1995
USGS03538800	OBED RIVER TRIB NR C		.72	1955	1970
USGS03538900	SELF CREEK NEAR BIG LICK, TENN	Stream	3.80	1968	1985
USGS03539100	BYRD CREEK NEAR CROSSVILLE, TENN	Stream	1.10		
USGS03539500	DADDYS CREEK NEAR CRAB ORCHARD, TENN.		93.50	1931	1958
USGS03539600	DADDYS CR NR HEBBERTSBURG, TENN.		139.00	1957	1968
USGS03539800	OBED RIVER NEAR LANCING, TENN.	Stream	518.00	1956	1988
USGS03538950	LICK CREEK AT BIG LICK, TENN	Stream	8.58	1968	1974
USGS03539000	DADDYS C NR GRASSY COVE TENN	Stream	51.20	1925	1930
USGS03539750	CLEAR C NR LANCING TENN	Stream	153.00	1966	1968
USGS03539860	CROOKED F NR WARTBURG TENN	Stream	50.30	1966	1968
USGS354922085053500	CU:C-1 LANTANA, TENN	Well			
USGS360543084343101	MG:F-005	Well			

Water Impoundments

Site ID	Impoundment Name	Owner	Primary Purpose	Type of Dam	Downstream Hazard	Year Completed
TN03502	LINGER LAKE DAM	J.D. ELDRIDGE	Rec.	Earth	Significant	1920
TN03503	HOOD LAKE DAM	STANLEY HOOD	Other	Earth	Low	1964
TN03504	TANSI LAKE DAM	TANSI LAKE VILLAGE	Rec.	Earth	High	1959
TN03506	ST. GEORGE LAKE DAM	FAIRFIELD COMMUNITY CO	Rec.	Gravity	Significant	1953
TN03508	BYRD LAKE DAM	STATE OF TENNESSEE	Rec.	Gravity	Significant	1930
TN03509	CATHERINE LAKE DAM	FAIRFIELD COMMUNITY CO	Rec.	Earth	Significant	1952
TN03510	HILL LAKE NO 1 DAM	JAMES HILL	Rec.	Earth	Low	1968
TN03511	CANTERBURY LAKE DAM	FAIRFIELD COMM LAND CO	Rec.	Earth	Significant	1973
TN03512	FOX CREEK LAKE DAM	CROSBY HARRISON	Rec.	Earth	Low	1966
TN03513	FRANCES LAKE DAM	MRS FRANCES	Rec.	Earth	Low	1968
TN03514	DOWNING CREEK DAM	LINK COX	Other	Earth	Significant	1952
TN03515	GOOD NEIGHBOR LAKE DAM	J B HENRY	Rec.	Earth	Low	1965
TN03518	DORTON LAKE DAM	MOSE E DORTON	Rec.	Earth	Significant	1952
TN03521	BYRD CREEK DAM	TANSI RESORT	Rec.	Earth	Significant	1965
TN03522	HOLIDAY LAKE DAM	HENRY ROGERS	Rec.	Earth	Significant	1959

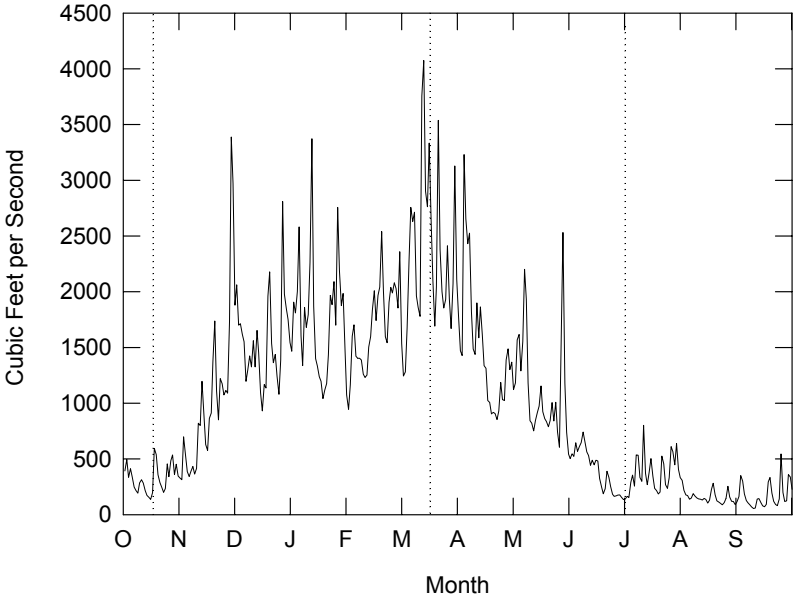
Industrial Facility Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Within the OBRI Study Area

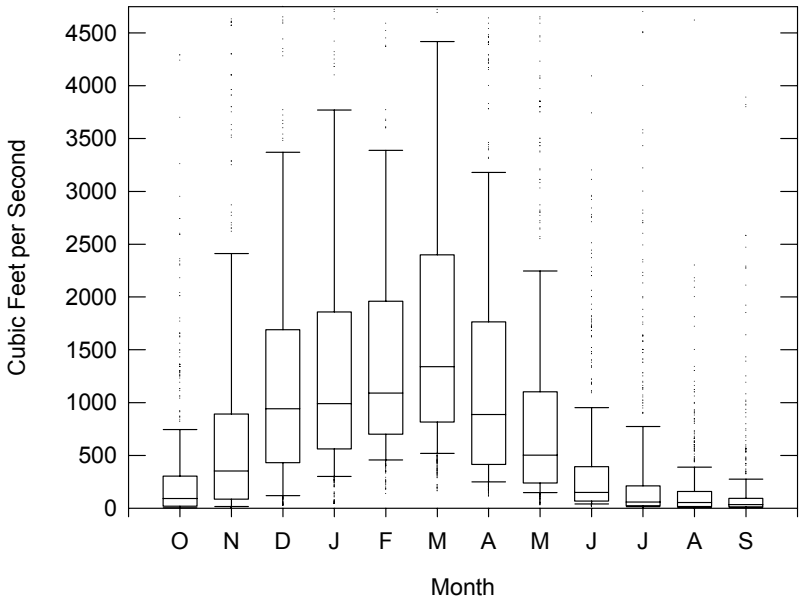
Water Impoundments

Site ID	Impoundment Name	Owner	Primary Purpose	Type of Dam	Downstream Hazard	Year Completed
TN03525	SPRING LAKE DAM	FAIRFIELD COMM LAND CO	Rec.	Earth	Significant	1967
TN03527	SHERWOOD DAM	FAIRFIELD GLADE INC.	Rec.	Earth	Significant	1977
TN03528	MALVERN DAM	FAIRFIELD GLADE INC.	Rec.	Earth	Significant	1978
TN03532	MELVIN SMITH LAKE DAM	MELVIN SMTIH	Rec.	Earth	Low	1977
TN03534	LARRY TURNER LAKE DAM	LARRY TURNER	Rec.	Earth	Significant	1975
TN03535	LAKE POMEROY DAM	FAIRFIELD LAND COMPANY	Rec.	Earth	Significant	1975
TN03536	STILLHOUSE CREEK DAM	TANSI VILLAGE INC	Rec.	Earth	Significant	1979
TN03537	BYRD CREEK DAM	TANSI VILLAGE INC.	Rec.	Earth	Significant	1979
TN03542	FRANK DAM	CUMBERLAND MOUNTAIN FARM	Irrig.	Earth	Low	1969
TN03543	TANKERSLEY LAKE DAM	U S LAND CORPORATION	Irrig.	Earth	Low	1969
TN03544	ADAMS CREEK DAM	CUMBERLAND MOUNTAIN FARM	Irrig.	Earth	Low	1943
TN03545	KIRKSTONE LAKE DAM	FAIRFIELD GLADE INC	Rec.	Earth	High	1980
TN03546	GLASTOWBURY LAKE DAM	FAIRFIELD GLADE INC	Rec.	Earth	Significant	1980
TN12902	S. THOMAS BURNETT DAM NO. 2	S. THOMAS BURNETT	Rec.	Earth	Low	1978
TN12903	LAND OF LAKES CAT. FARM DAM	S. THOMAS BURNETT	Rec.	Earth	Low	1970
TN12904	BURNETT DAM	S. THOMAS BURNETT	Farm	Earth	Significant	1969

REPRESENTATIVE MEAN ANNUAL HYDROGRAPH FOR SEASONAL ANALYSIS

OBED WILD AND SCENIC RIVER
Obed River near Lancing, TN
03539800, 28 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 Obed Wild and Scenic River are: Jul. 1 to Oct. 14, Oct. 15 to Mar. 14, and Mar. 15 to Jun. 30.

CONTACTS FOR AGENCY CODES RETRIEVED FOR OBRI

AGENCY	PRIMARY CONTACT NAME	ORGANIZATION	PHONE NUMBER(S)	
131TVAC	BRUGGINK, DAVID	TENN VALLEY AUTHORITY	(423)751-8973	
21TNWQ	BROACH, JOY	TN DEPT OF ENVIRONMENTAL	(615)532-0701	
112WRD	BRIGGS, JOHN	US GEOLOGICAL SURVEY	(703)648-5624	
11NPSWRD	TUCKER, DEAN	NATIONAL PARK SERVICE	(970)225-3516	(970)225-3518
12NSS	LANDERS, DIXON H.	EPA ENVIRONMENTAL RES LAB	(541)754-4427	
21TNECO	BROACH, JOY	TN DEPT OF ENVIRONMENTAL	(615)532-0701	

QUANTITY OF DATA RETRIEVED FOR OBRI 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
131TVAC	TENN VALLEY AUTHORITY	06/23/67-04/01/96	06/23/67-04/01/96	23	4	11	2	0	0	6808	1581	190	183
21TNWQ	TN DEPT OF ENVIRONMENTAL	03/29/79-12/11/91	03/29/79-03/29/79	14	2	2	0	2	1	1276	38	52	38
112WRD	US GEOLOGICAL SURVEY	10/30/64-03/25/97	10/30/64-03/25/97	30	7	11	2	1	0	5972	1333	225	201
11NPSWRD	NATIONAL PARK SERVICE	12/07/73-01/27/98	12/07/73-01/27/98	60	29	11	8	0	0	17667	11756	89	89
12NSS	EPA ENVIRONMENTAL RES LAB	04/28/86-05/01/86	No Data in Park	3	0	0	0	0	0	81	0	27	0
21TNECO	TN DEPT OF ENVIRONMENTAL	04/17/96-12/01/98	04/17/96-11/24/98	5	1	3	1	0	0	1121	322	37	35
Totals		10/30/64-12/01/98	10/30/64-11/24/98	135	43	38	13	3	1	32925	15030	408	388

[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 10/30/64 To 12/01/98

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/01/98	01/01/75 to 12/31/84	Before 01/01/75
OBRI0001	EMORY RIVER AT MAHAN VILLAGE, TENN	No	26	0	0	26
OBRI0002	FLAT FORK NEAR PETROS, TENN	No	13	0	0	13
OBRI0003	JUDGE BRANCH NEAR PETROS, TENN	No	26	0	0	26
OBRI0004[1]	FLAT FORK, QUAD 122NE	No	327	327	0	0
OBRI0005[1]	CROOKED F NR WARTBURG TENN	No	519	0	139	380
OBRI0006	CROOKED FORK CREEK AT HIGHWAY 27 BRIDGE	No	108	0	0	108
OBRI0007		No	282	0	0	282
OBRI0008[1]	CROOKED FK 4.2 D/S POTTER'S FALLS QUAD 122SE	No	542	379	163	0
OBRI0009	CROOKED FORK AT WARTBURG, TN	No	497	0	497	0
OBRI0010[1]	CROOKED FORK CREEK 4.22	No	238	0	77	161
OBRI0011[1]		No	336	0	88	248
OBRI0012	0.4 MILE NNW OF ELIZABETH SCHOOL	No	244	0	0	244
OBRI0013[1]	EMORY RIVER AT GOBEY, TN(035382968)	No	219	0	219	0
OBRI0014	EMORY RIVER ABOVE HIGHWAY 27 BRIDGE	No	108	0	0	108
OBRI0015[1]	EMORY RIVER NEAR WARTBURG, TENN.	No	871	0	510	361
OBRI0016[1]		No	372	0	116	256
OBRI0017[1]	EMORY RIVER 34.52	No	293	0	132	161
OBRI0018	ROCK CREEK NEAR MOUTH AT HIGHWAY 27 BRIDGE	No	108	0	0	108
OBRI0019[1]	ROCK CREEK NEAR GOBEY, TN	No	144	0	144	0
OBRI0020	ROCK CREEK, OFF HWY 62, QUAD 122 NW	No	85	85	0	0
OBRI0021	EMORY RIVER NEAR LANCING	No	125	125	0	0
OBRI0022	CAMPGROUND CREEK SOUTH SOUTHEAST OF LANCING	No	9	0	9	0
OBRI0023	EMORY RIVER ABOVE THE OBED RIVER MOUTH	Yes	157	0	157	0
OBRI0024[1]	EMORY RIVER UPSTREAM OF MOUTH OF OBED RIVER	Yes	1215	929	286	0
OBRI0025	EMORY RIVER UPSTREAM OF THE OBED RIVER MOUTH	Yes	12	0	12	0
OBRI0026	OBED RIVER MOUTH	Yes	10	0	10	0
OBRI0027	EMORY RIVER NEAR NEMO BRIDGE	Yes	157	0	157	0
OBRI0028	ISLAND CR 0.1 @ MOUTH QUAD 122SW	No	20	0	20	0
OBRI0029	ISLAND CREEK WEST OF NEMO	No	9	0	9	0
OBRI0030	EMORY RIVER BELOW NEMO BRIDGE	No	12	0	12	0
OBRI0031	EMORY RIVER UPSTREAM OF NEMO BRIDGE	Yes	12	0	12	0
OBRI0032[1]	COUNTY BRIDGE NEAR NEMO	Yes	390	0	0	390
OBRI0033[1]	EMORY RIVER AT NEMO BRIDGE	Yes	1467	1180	287	0
OBRI0034	ISLAND CR 2.8 D/S PANTHER CR QUAD 122SW	No	20	0	20	0
OBRI0035[1]	MOUTH OF ROCK CREEK ABOVE NEMO BRIDGE	Yes	1426	1160	266	0
OBRI0036	ROCK CREEK AT CONFLUENCE WITH EMORY RIVER	Yes	12	0	12	0
OBRI0037	ROCK CREEK NEAR NEMO BRIDGE	Yes	153	0	153	0
OBRI0038	ROCK CREEK UPSTREAM OF NEMO BRIDGE	Yes	12	0	12	0
OBRI0039	ISLAND CREEK NEAR CATOOSA GAME CHECK STATION	No	9	0	9	0
OBRI0040	ISLAND CR 2.3 @ 1ST BRIDGE FR MOUTH QUAD 122SW	No	19	0	19	0
OBRI0041[1]	ISLAND CREEK NEAR CATOOSA, TN	No	138	0	138	0
OBRI0042	ISLAND C AT CATOOSA, TENN.	No	16	0	0	16
OBRI0043	ISLAND CREEK, QD 122 SW BRIDGE CROSSING	No	85	85	0	0
OBRI0044	CAMP BRANCH NEAR NEMO BRIDGE	No	22	0	22	0
OBRI0045	ROCK CREEK ABOVE THE MOUTH OF CAMP BRANCH	No	12	0	12	0
OBRI0046[1]	OBED RIVER NEAR LANCING, TENN.	Yes	532	26	133	373
OBRI0047	ISLAND CR 2.8 D/S PANTHER CR QUAD 122SW	No	20	0	20	0
OBRI0048[1]	CLEAR CREEK AT LILLY BRIDGE	Yes	1420	1138	282	0
OBRI0049	CLEAR CREEK NEAR LILLY BRIDGE	Yes	155	0	155	0
OBRI0050	CLEAR C AT HOWARD MILL, TENN.	Yes	42	0	0	42
OBRI0051		Yes	542	157	0	385
OBRI0052	CLEAR CREEK AT LILLY BRIDGE NEAR LANCING, TN	Yes	33	33	0	0
OBRI0053	LITTLE CLEAR CREEK ABOVE LILLY BRIDGE	No	26	0	26	0
OBRI0054[1]	CLEAR CREEK RM 4, QUAD 122SW	Yes	322	322	0	0
OBRI0055	CLEAR CREEK NEAR JETT BRIDGE	Yes	184	0	184	0
OBRI0056	CLEAR CREEK AT JETT BRIDGE	Yes	108	0	0	108
OBRI0057	CLEAR CREEK AT JETT ACCESS	Yes	24	24	0	0
OBRI0058[1]	JETT BRIDGE	Yes	397	0	0	397
OBRI0059[1]	CLEAR C NR LANCING TENN	Yes	353	0	284	69
OBRI0060	RAMSEY CREEK NEAR OBED RIVER CONFLUENCE	Yes	8	0	8	0
OBRI0061	OBED RM 20.8 AT POTTERS CHAPEL ROAD ACCESS	Yes	0	0	0	0
OBRI0062[1]	OBED RIVER-CONFLUENCE OF OBED AND DADDYS CRK	Yes	704	418	286	0
OBRI0063	OBED R NR FRANKFORT, TENN.	No	19	0	0	19
OBRI0064	OBED RIVER AT OBED JUNCTION	Yes	144	0	144	0
OBRI0065	DADDY'S CREEK AT HEBBERTSBURG ROAD	No	0	0	0	0
OBRI0066[1]	DADDYS CREEK, RM 2.3,QUAD 116SE, BENTHICS ONLY	No	302	302	0	0
OBRI0067	DADDYS CREEK AT THE DEVILS BREAKFAST TABLE	No	229	229	0	0
OBRI0068	DADDYS CREEK AT DEVILS BREAKFAST TABLE	No	12	0	12	0
OBRI0069	ROAD CROSSING BELOW LITTLE COVE BRANCH	No	249	0	0	249
OBRI0070	DADDYS CREEK AT DEVILS BREAKFAST TABLE	No	157	0	157	0
OBRI0071[1]	DADDYS CREEK AT DEVILS BREAKFAST TABLE	No	1458	1169	289	0

Station Period of Record Tabulation
From 10/30/64 To 12/01/98

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/01/98	01/01/75 to 12/31/84	Before 01/01/75
OBRI0072	DADDYS CREEK AT DEVILS BREAKFAST TABLE	No	126	126	0	0
OBRI0073	YELLOW CREEK AT LONG BRIDGE	No	23	0	23	0
OBRI0074	ABOVE CARDEN BRANCH	No	4	0	0	4
OBRI0075[1]	CLEAR CREEK AT BARNETT BRIDGE (WALTMAN FORD)	Yes	1430	1140	290	0
OBRI0076	CLEAR CREEK AT WALTMAN FORD BRIDGE	Yes	125	125	0	0
OBRI0077	CLEAR CREEK AT BARNETT BRIDGE (WALTMAN FORD)	Yes	162	0	162	0
OBRI0078[1]	WHITE CR MOUTH AB BARNETT BRIDGE (WALTMAN FORD)	Yes	1394	1104	290	0
OBRI0079	WHITE CREEK ABOVE BARNETT BRIDGE (WALTMAN FORD)	Yes	26	0	26	0
OBRI0080	WHITE CREEK AT RM 7.3 ABOVE TWIN BRIDGES	No	232	232	0	0
OBRI0081	WHITE CREEK NEAR FRANKFORT, TENN	No	16	0	0	16
OBRI0082[1]	WHITE CREEK AT TWIN BRIDGES, TN	No	115	0	115	0
OBRI0083	DADDYS CREEK AT THE ANTIOCH BRIDGE	No	23	0	23	0
OBRI0084	DADDYS CR NR HEBBERTSBURG, TENN.	No	241	0	201	40
OBRI0085[1]		No	480	0	0	480
OBRI0086	OTTER CREEK	No	25	0	25	0
OBRI0087	TOM BRANCH	No	25	0	25	0
OBRI0088[1]	OTTER CREEK AT CATOOSA ROAD BRIDGE	No	1456	1177	279	0
OBRI0089	NO NAME	No	27	27	0	0
OBRI0090	CLEAR CREEK AT NORRIS FORD	Yes	160	0	160	0
OBRI0091	CLEAR CREEK AT NORRIS FORD NEAR JONES KNOB	Yes	124	124	0	0
OBRI0092[1]	CLEAR CREEK AT NORRIS FORD	Yes	635	401	234	0
OBRI0093	DADDYS CREEK AT CENTER BRIDGE	No	108	0	0	108
OBRI0094	ELMORE CREEK NEAR POTTERS FORD	No	26	0	26	0
OBRI0095	OBED RIVER AT POTTERS FORD	Yes	3	0	3	0
OBRI0096	OBED RIVER AT POTTERS FORD	Yes	226	226	0	0
OBRI0097	OBED RIVER AT POTTER FORD NEAR CROSSVILLE, TN	Yes	124	124	0	0
OBRI0098	OBED RIVER AT POTTERS FORD	Yes	156	0	156	0
OBRI0099	OBED R 20.8 AT POTTERS FORD QUAD 116SW	Yes	38	0	38	0
OBRI0100	AT POTTER FORD	Yes	252	0	0	252
OBRI0101	OBED RIVER AT POTTERS BRIDGE	Yes	184	160	24	0
OBRI0102	DADDYS CREEK NEAR CRAB ORCHARD, TENN.	No	0	0	0	0
OBRI0103[1]	TENNESSEE HWY 68 BRIDGE	No	473	0	0	473
OBRI0104[1]	OBED RIVER DOWNSTREAM OF ADAMS BRIDGE	No	1415	1129	286	0
OBRI0105	OBED RIVER AT ADAMS BRIDGE	No	149	0	149	0
OBRI0106[1]	ADAMS BRIDGE	No	628	0	70	558
OBRI0107	OBED RIVER AT ADAMS BRIDGE, NEAR CROSSVILLE TENN	No	310	0	0	310
OBRI0108	OBED RIVER AT ADAMS BRIDGE	No	108	0	0	108
OBRI0109	WALLACE BRANCH	No	27	27	0	0
OBRI0110	BYRD LAKE @ DAM	No	75	75	0	0
OBRI0111	WALLACE BRANCH	No	27	27	0	0
OBRI0112	BELOW D.O. BEATY BRIDGE	No	125	0	0	125
OBRI0113	BELOW CUMBERLAND MOUNTAIN LAKE	No	82	0	0	82
OBRI0114	OBED RIVER AT ROUTE 127 BRIDGE	No	26	0	26	0
OBRI0115[1]	TENNESSEE HWY 28 BRIDGE, 3.4 M NNW OF CROSSVILLE	No	563	0	0	563
OBRI0116	OBED R 34.4 AT HWY 127 BRIDGE QUAD 109NE	No	38	0	38	0
OBRI0117	OBED RIVER AT THE U.S. HIGHWAY 127 BRIDGE	No	3	0	3	0
OBRI0118	TENNESSEE CENTRAL RR BRIDGE	No	82	0	0	82
OBRI0119	OBED RIVER AT THE U.S. HIGHWAY NORTH BRIDGE	No	3	0	3	0
OBRI0120[1]	OBED R 36.9 U/S HWY 70N QUAD 109NE	No	392	271	121	0
OBRI0121	U.S. HWY 70N BRIDGE, 2.1 MILES NW OF CROSSVILLE	No	86	0	0	86
OBRI0122[1]	NW OF CROSSVILLE	No	197	0	103	94
OBRI0123	OBED RIVER NEAR CROSSVILLE, TN	No	490	0	490	0
OBRI0124[1]	OBED RIVER 36.88	No	132	0	61	71
OBRI0125	OBED R 36.9 AT HWY 70 N BRIDGE QUAD 109NE	No	38	0	38	0
OBRI0126	OBED R AT CROSSVILLE TENN.	No	65	65	0	0
OBRI0127	OBED RIVER NEAR CROSSVILLE WWTP	No	3	0	3	0
OBRI0128[1]	ABOVE SEWAGE DISPOSAL PLANT	No	517	0	0	517
OBRI0129	100 YD D/S CROSSVILLE WWTP OBED R 38.4 QUAD109NE	No	36	0	36	0
OBRI0130	OBED R 38.6 AT HWY 70 W BRIDGE QUAD 109NE	No	38	0	38	0
OBRI0131	OBED RIVER AT THE HIGHWAY 70 WEST BRIDGE	No	4	0	4	0
OBRI0132	OBED RIVER DOWNSTREAM OF THE CROSSVILLE WWTP	No	3	0	3	0
OBRI0133	BELOW SEWAGE DISPOSAL PLANT	No	78	0	0	78
OBRI0134	WNW OF CROSSVILLE	No	79	0	0	79
OBRI0135[1]	ABOVE LAKE HOLIDAY DAM	No	350	0	0	350

[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 10/30/64 To 12/01/98

Parameter Code	Name	Total Obs	01/01/85 to 12/01/98	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.)	310	0	60	250	26	4
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	343	20	70	253	29	4
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	85	74	11	0	9	2
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	1736	922	490	324	113	39
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	72	0	0	72	6	1
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	9	9	0	0	5	3
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	69	0	69	0	24	11
00025	BAROMETRIC PRESSURE (MM OF HG)	7	7	0	0	6	4
00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	130	27	71	32	14	5
00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	184	27	125	32	21	6
00060	FLOW, STREAM, MEAN DAILY CFS	70	0	0	70	9	3
00061	FLOW, STREAM, INSTANTANEOUS CFS	437	42	160	235	57	15
00064	DEPTH OF STREAM, MEAN (FT)	3	3	0	0	3	0
00065	STAGE, STREAM (FEET)	1	1	0	0	1	1
00068	DEPTH, MAXIMUM, OF SAMPLE (FEET)	6	6	0	0	1	0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	330	68	81	181	43	7
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	72	0	0	72	6	1
00077	TRANSPARENCY, SECCHI DISC (INCHES)	6	6	0	0	1	0
00080	COLOR (PLATINUM-COBALT UNITS)	359	26	55	278	48	9
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	84	19	53	12	16	2
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	150	73	77	0	41	18
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1548	823	397	328	79	22
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	1080	760	248	72	21	10
00300	OXYGEN, DISSOLVED MG/L	494	102	145	247	81	28
00304	BOD, 2 DAY, 20 DEG C MG/L	39	0	0	39	9	0
00308	BOD, NITROGEN INHIB.,TOTAL, 20 DAY, 20 DEG C MG/L	5	0	5	0	5	1
00310	BOD, 5 DAY, 20 DEG C MG/L	272	24	56	192	32	5
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	5	0	5	0	5	1
00324	BOD, 20 DAY, 20 DEG C MG/L	5	0	5	0	5	1
00335	COD, .025N K2CR2O7 MG/L	215	32	61	122	24	4
00340	COD, .25N K2CR2O7 MG/L	32	27	5	0	8	2
00400	PH (STANDARD UNITS)	496	71	111	314	60	13
00403	PH, LAB, STANDARD UNITS SU	68	33	35	0	27	6
00405	CARBON DIOXIDE (MG/L AS CO2)	9	0	2	7	6	2
00406	PH, FIELD, STANDARD UNITS SU	1108	721	315	72	50	26
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	3	3	0	0	3	0
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1469	846	435	188	84	29
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	214	0	51	163	16	4
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	80	0	8	72	14	6
00435	ACIDITY, TOTAL (MG/L AS CACO3)	116	1	43	72	26	13
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	21	12	9	0	5	0
00440	BICARBONATE ION (MG/L AS HCO3)	77	3	0	74	15	3
00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	63	0	63	0	20	10
00445	CARBONATE ION (MG/L AS CO3)	12	0	0	12	8	2
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	2	2	0	0	1	1
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	7	7	0	0	6	4
00500	RESIDUE, TOTAL (MG/L)	162	22	19	121	30	5
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	230	92	17	121	39	7
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	176	93	71	12	28	4
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	234	1	50	183	22	4
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	6	6	0	0	6	4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	345	97	65	183	38	7
00612	AMMONIA, UNIONZED (MG/L AS N)	109	109	0	0	10	7
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	6	6	0	0	6	4
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	172	0	0	172	18	4
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	2	0	0	2	1	1
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	172	0	0	172	18	4
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	6	6	0	0	6	4
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	99	41	58	0	36	17
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	185	102	71	12	32	5
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	6	6	0	0	6	4
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	84	72	12	0	13	2
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	71	0	64	7	25	11
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	9	0	0	9	5	2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	373	104	83	186	63	21
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	170	9	50	111	29	8
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	41	0	41	0	20	10
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	56	5	0	51	15	5
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10	0	10	0	7	1
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	8	8	0	0	8	3
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	5	5	0	0	5	3

Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Parameter Code	Name	Total Obs	01/01/85 to 12/01/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00690	CARBON, TOTAL (MG/L AS C)	31	31	0	0	5	1
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	3	3	0	0	3	0
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	10	3	7	0	10	3
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION) MG/L	1	0	0	1	1	0
00745	SULFIDE, TOTAL (MG/L AS S)	1	1	0	0	1	1
00900	HARDNESS, TOTAL (MG/L AS CACO3)	1411	881	376	154	77	27
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	37	0	7	30	13	3
00910	CALCIUM (MG/L AS CACO3)	27	13	14	0	12	2
00915	CALCIUM, DISSOLVED (MG/L AS CA)	75	8	7	60	17	5
00916	CALCIUM, TOTAL (MG/L AS CA)	270	1	62	207	33	13
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	75	8	7	60	17	5
00927	MAGNESIUM, TOTAL (MG/L AS MG)	292	10	75	207	43	14
00929	SODIUM, TOTAL (MG/L AS NA)	252	0	67	185	42	14
00930	SODIUM, DISSOLVED (MG/L AS NA)	75	8	7	60	17	5
00931	SODIUM ADSORPTION RATIO	24	0	7	17	9	2
00932	SODIUM, PERCENT	24	0	7	17	9	2
00935	POTASSIUM, DISSOLVED (MG/L AS K)	75	8	7	60	17	5
00937	POTASSIUM, TOTAL MG/L AS K)	257	0	71	186	46	14
00940	CHLORIDE,TOTAL IN WATER MG/L	1358	799	262	297	71	21
00941	CHLORIDE, DISSOLVED IN WATER MG/L	3	3	0	0	3	0
00945	SULFATE, TOTAL (MG/L AS SO4)	1566	860	411	295	95	33
00946	SULFATE, DISSOLVED (MG/L AS SO4)	3	3	0	0	3	0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	23	8	7	8	19	5
00951	FLUORIDE, TOTAL (MG/L AS F)	64	1	51	12	10	1
00955	SILICA, DISSOLVED (MG/L AS SI02)	130	8	57	65	26	5
00956	SILICA, TOTAL (MG/L AS SI02)	130	0	0	130	19	4
01002	ARSENIC, TOTAL (UG/L AS AS)	90	68	22	0	17	3
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	16	0	16	0	7	1
01007	BARIUM, TOTAL (UG/L AS BA)	13	1	12	0	10	2
01012	BERYLLIUM, TOTAL (UG/L AS BE)	6	1	5	0	3	1
01022	BORON, TOTAL (UG/L AS B)	16	0	16	0	13	9
01025	CADMIUM, DISSOLVED (UG/L AS CD)	1	1	0	0	1	1
01027	CADMIUM, TOTAL (UG/L AS CD)	137	91	46	0	40	14
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	16	0	16	0	7	1
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	16	0	16	0	7	1
01034	CHROMIUM, TOTAL (UG/L AS CR)	156	57	99	0	42	14
01037	COBALT, TOTAL (UG/L AS CO)	11	0	11	0	11	9
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	16	0	16	0	7	1
01040	COPPER, DISSOLVED (UG/L AS CU)	1	1	0	0	1	1
01042	COPPER, TOTAL (UG/L AS CU)	310	95	116	99	71	23
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	16	0	16	0	7	1
01044	IRON, SUSPENDED (UG/L AS FE)	42	0	42	0	7	1
01045	IRON, TOTAL (UG/L AS FE)	453	95	202	156	76	23
01046	IRON, DISSOLVED (UG/L AS FE)	307	5	101	201	38	10
01047	IRON, FERROUS (UG/L AS FE)	143	0	0	143	16	4
01049	LEAD, DISSOLVED (UG/L AS PB)	1	1	0	0	1	1
01051	LEAD, TOTAL (UG/L AS PB)	191	95	96	0	49	15
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	16	0	16	0	7	1
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	16	0	16	0	7	1
01054	MANGANESE, SUSPENDED (UG/L AS MN)	50	0	50	0	7	1
01055	MANGANESE, TOTAL (UG/L AS MN)	1342	880	350	112	80	31
01056	MANGANESE, DISSOLVED (UG/L AS MN)	208	8	100	100	40	10
01057	THALLIUM, DISSOLVED (UG/L AS TL)	1	1	0	0	1	1
01059	THALLIUM, TOTAL (UG/L AS TL)	1	1	0	0	1	1
01065	NICKEL, DISSOLVED (UG/L AS NI)	1	1	0	0	1	1
01067	NICKEL, TOTAL (UG/L AS NI)	78	51	27	0	27	13
01075	SILVER, DISSOLVED (UG/L AS AG)	1	1	0	0	1	1
01077	SILVER, TOTAL (UG/L AS AG)	16	1	15	0	10	2
01090	ZINC, DISSOLVED (UG/L AS ZN)	1	1	0	0	1	1
01092	ZINC, TOTAL (UG/L AS ZN)	306	95	101	110	71	23
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	16	0	16	0	7	1
01097	ANTIMONY, TOTAL (UG/L AS SB)	1	1	0	0	1	1
01105	ALUMINUM, TOTAL (UG/L AS AL)	165	47	103	15	56	20
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	2	0	0	2	1	1
01132	LITHIUM, TOTAL (UG/L AS LI)	5	0	5	0	2	0
01142	SILICON, TOTAL (UG/L AS SI)	1	1	0	0	1	1
01147	SELENIUM, TOTAL (UG/L AS SE)	13	1	12	0	10	2
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	16	0	16	0	7	1
01152	TITANIUM, TOTAL (UG/L AS TI)	5	0	5	0	2	0
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	16	0	16	0	7	1
04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	5	5	0	0	5	3

Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Parameter Code	Name	Total Obs	01/01/85 to 12/01/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	5	5	0	0	5	3
04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	5	5	0	0	5	3
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	5	5	0	0	5	3
04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	5	5	0	0	5	3
04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	5	5	0	0	5	3
04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	5	5	0	0	5	3
04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	5	5	0	0	5	3
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	63	0	63	0	30	15
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	106	0	19	87	18	2
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	263	157	106	0	13	10
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	115	0	0	115	15	4
31611	FECAL COLIFORM, MF, M-TEC #/100ML	11	0	11	0	11	9
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	54	0	54	0	19	10
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	115	0	0	115	15	4
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	1013	791	127	95	43	13
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	6	6	0	0	6	4
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	755	694	61	0	12	9
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	37	5	32	0	24	13
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	53	53	0	0	10	2
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	1	1	0	0	1	1
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	1	1	0	0	1	1
32104	BROMOFORM,WHOLE WATER,UG/L	1	1	0	0	1	1
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	1	1	0	0	1	1
32106	CHLOROFORM,WHOLE WATER,UG/L	1	1	0	0	1	1
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	3	3	0	0	1	0
32240	TANNIN AND LIGNIN (MG/L)	1	1	0	0	1	0
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	1	1	0	0	1	1
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	1	1	0	0	1	1
34200	ACENAPHTHYLENE TOTWUG/L	1	1	0	0	1	1
34205	ACENAPHTHENE TOTWUG/L	1	1	0	0	1	1
34210	ACROLEIN TOTWUG/L	1	1	0	0	1	1
34215	ACRYLONITRILE TOTWUG/L	1	1	0	0	1	1
34220	ANTHRACENE TOTWUG/L	1	1	0	0	1	1
34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	1	1	0	0	1	1
34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	1	1	0	0	1	1
34247	BENZO-A-PYRENE TOTWUG/L	1	1	0	0	1	1
34253	A-BHC-ALPHA DISSUG/L	5	5	0	0	5	3
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	1	1	0	0	1	1
34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	1	1	0	0	1	1
34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	1	1	0	0	1	1
34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	1	1	0	0	1	1
34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	1	1	0	0	1	1
34301	CHLOROBENZENE TOTWUG/L	1	1	0	0	1	1
34311	CHLOROETHANE TOTWUG/L	1	1	0	0	1	1
34320	CHRYSENE TOTWUG/L	1	1	0	0	1	1
34336	DIETHYL PHTHALATE TOTWUG/L	1	1	0	0	1	1
34341	DIMETHYL PHTHALATE TOTWUG/L	1	1	0	0	1	1
34351	ENDOSULFAN SULFATE TOTWUG/L	1	1	0	0	1	1
34356	ENDOSULFAN, BETA TOTWUG/L	1	1	0	0	1	1
34361	ENDOSULFAN, ALPHA TOTWUG/L	1	1	0	0	1	1
34366	ENDRIN ALDEHYDE TOTWUG/L	1	1	0	0	1	1
34371	ETHYLBENZENE TOTWUG/L	1	1	0	0	1	1
34376	FLUORANTHENE TOTWUG/L	1	1	0	0	1	1
34381	FLUORENE TOTWUG/L	1	1	0	0	1	1
34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	1	1	0	0	1	1
34396	HEXACHLOROETHANE TOTWUG/L	1	1	0	0	1	1
34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	1	1	0	0	1	1
34408	ISOPHORONE TOTWUG/L	1	1	0	0	1	1
34413	METHYL BROMIDE TOTWUG/L	1	1	0	0	1	1
34418	METHYL CHLORIDE TOTWUG/L	1	1	0	0	1	1
34423	METHYLENE CHLORIDE TOTWUG/L	1	1	0	0	1	1
34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	1	1	0	0	1	1
34433	N-NITROSODIPHENYLAMINE TOTWUG/L	1	1	0	0	1	1
34447	NITROBENZENE TOTWUG/L	1	1	0	0	1	1
34452	PARACHLOROMETA CRESOL TOTWUG/L	1	1	0	0	1	1
34461	PHENANTHRENE TOTWUG/L	1	1	0	0	1	1
34469	PYRENE TOTWUG/L	1	1	0	0	1	1
34475	TETRACHLOROETHYLENE TOTWUG/L	1	1	0	0	1	1
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	1	1	0	0	1	1
34496	1,1-DICHLOROETHANE TOTWUG/L	1	1	0	0	1	1
34501	1,1-DICHLOROETHYLENE TOTWUG/L	1	1	0	0	1	1

Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Parameter Code	Name	Total Obs	01/01/85 to 12/01/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	1	1	0	0	1	1
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	1	1	0	0	1	1
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	1	1	0	0	1	1
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	1	1	0	0	1	1
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	1	1	0	0	1	1
34531	1,2-DICHLOROETHANE TOTWUG/L	1	1	0	0	1	1
34536	1,2-DICHLOROBENZENE TOTWUG/L	1	1	0	0	1	1
34541	1,2-DICHLOROPROPANE TOTWUG/L	1	1	0	0	1	1
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	1	1	0	0	1	1
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	1	1	0	0	1	1
34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	1	1	0	0	1	1
34566	1,3-DICHLOROBENZENE TOTWUG/L	1	1	0	0	1	1
34571	1,4-DICHLOROBENZENE TOTWUG/L	1	1	0	0	1	1
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	1	1	0	0	1	1
34581	2-CHLORONAPHTHALENE TOTWUG/L	1	1	0	0	1	1
34586	2-CHLOROPHENOL TOTWUG/L	1	1	0	0	1	1
34591	2-NITROPHENOL TOTWUG/L	1	1	0	0	1	1
34596	DI-N-OCTYL PHTHALATE TOTWUG/L	1	1	0	0	1	1
34601	2,4-DICHLOROPHENOL TOTWUG/L	1	1	0	0	1	1
34606	2,4-DIMETHYLPHENOL TOTWUG/L	1	1	0	0	1	1
34611	2,4-DINITROTOLUENE TOTWUG/L	1	1	0	0	1	1
34616	2,4-DINITROPHENOL TOTWUG/L	1	1	0	0	1	1
34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	1	1	0	0	1	1
34626	2,6-DINITROTOLUENE TOTWUG/L	1	1	0	0	1	1
34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	1	1	0	0	1	1
34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	1	1	0	0	1	1
34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	1	1	0	0	1	1
34646	4-NITROPHENOL TOTWUG/L	1	1	0	0	1	1
34653	P,P'-DDE DISSUG/L	5	5	0	0	5	3
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	1	1	0	0	1	1
34671	PCB - 1016 TOTWUG/L	1	1	0	0	1	1
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	1	1	0	0	1	1
34696	NAPHTHALENE TOTWUG/L	1	1	0	0	1	1
34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	1	1	0	0	1	1
34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	1	1	0	0	1	1
38442	DICAMBA (BANVEL) WATER,DISSUG/L	5	5	0	0	5	3
38478	LINURON WATER,DISSUG/L	5	5	0	0	5	3
38482	MCPA WATER,DISSUG/L	5	5	0	0	5	3
38487	MCPB WATER,DISSUG/L	5	5	0	0	5	3
38501	METHIOCARB WATER,DISSUG/L	5	5	0	0	5	3
38538	PROPOXUR WATER,DISSUG/L	5	5	0	0	5	3
38711	BENTAZON WATER, DISUG/L	5	5	0	0	5	3
38745	2,4-DB WATER, TOTUG/L	11	0	11	0	11	9
38746	2,4-DB WATER, DISUG/L	5	5	0	0	5	3
38811	FLUOMETURON WATER, DISUG/L	5	5	0	0	5	3
38866	OXAMYL WATER, DISUG/L	5	5	0	0	5	3
38933	CHLORPYRIFOS,DISSOLVED UG/L	5	5	0	0	5	3
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	1	1	0	0	1	1
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	7	7	0	0	6	4
39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	1	1	0	0	1	1
39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	1	1	0	0	1	1
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1	1
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	1	1	0	0	1	1
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	1	1	0	0	1	1
39250	NAPTHALENES, POLYCHLORINATED (UG/L)	1	0	1	0	1	1
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1	1
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1	1
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1	1
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	13	1	12	0	13	11
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	1	1	0	0	1	1
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	1	1	0	0	1	1
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	13	1	12	0	13	11
39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	5	5	0	0	5	3
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	13	1	12	0	13	11
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	12	0	12	0	12	10
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	12	0	12	0	12	10
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12	0	12	0	12	10
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	13	1	12	0	13	11
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	5	5	0	0	5	3
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	13	1	12	0	13	11
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	12	0	12	0	12	10

Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Parameter Code	Name	Total Obs	01/01/85 to 12/01/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	12	1	11	0	12	10
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	13	1	12	0	13	11
39415	METOLACHLOR, WATER, DISSOLVED UG/L	5	5	0	0	5	3
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	13	1	12	0	13	11
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	12	0	12	0	12	10
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	1	1	0	0	1	1
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	1	1	0	0	1	1
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	12	1	11	0	12	10
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	1	1	0	0	1	1
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	12	1	11	0	12	10
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	12	1	11	0	12	10
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	12	0	12	0	12	10
39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	5	5	0	0	5	3
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	12	0	12	0	12	10
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	5	5	0	0	5	3
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1	1
39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	5	5	0	0	5	3
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	12	0	12	0	12	10
39632	ATRAZINE DISSOLVED IN WATER PPB	5	5	0	0	5	3
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1	1
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	1	1	0	0	1	1
39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	11	0	11	0	11	9
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	11	0	11	0	11	9
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	5	5	0	0	5	3
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	11	0	11	0	11	9
39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	5	5	0	0	5	3
39755	MIREX, TOTAL (UG/L)	12	0	12	0	12	10
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	11	0	11	0	11	9
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	5	5	0	0	5	3
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1	1
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1	1
46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	5	5	0	0	5	3
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	251	1	48	202	18	4
47002	ACIDITY, FREE (METHYL RED) (MG/L AS CACO3)	72	0	0	72	6	1
49235	TRICLOPYR,RECOVERABLE,WATER,FILTER,GF,0.7U UG/L	5	5	0	0	5	3
49236	PROPHAM, RECOVERABLE,WATER,FILTER,GF,0.7U UG/L	5	5	0	0	5	3
49260	ACETOCHLOR, RECOVERABLE, WATER, FILTERED UG/L	5	5	0	0	5	3
49291	PICLORAM,RECV,FILTERED,WATER,GF,0.7U UG/L	5	5	0	0	5	3
49292	ORYZALIN,RECV,FILTERED,WATER,GF,0.7U UG/L	5	5	0	0	5	3
49293	NORFLURAZON,RECV,FILTERED,WATER,GF,0.7U UG/L	5	5	0	0	5	3
49294	NEBURON,RECV,FILTERED,WATER,GF,0.7U UG/L	5	5	0	0	5	3
49295	NAPTHOL,1-,RECV,FILTERED,WATER,GF,0.7U UG/L	5	5	0	0	5	3
49296	METHOMYL,RECV,FILTERED,WATER,GF,0.7U UG/L	5	5	0	0	5	3
49297	FENURON,RECV,FILTERED,WATER,GF,0.7U UG/L	5	5	0	0	5	3
49298	ESFENVALERATE,RECV,FILTERED,WATER,GF,0.7U UG/L	5	5	0	0	5	3
49299	CRESOL,O-,RECV,FILTERED,WATER,GF,0.7U UG/L	5	5	0	0	5	3
49300	DIURON, RECV,FILTERED, WATER, GF, 0.7U UG/L	5	5	0	0	5	3
49301	DINOSEB, RECV, FILTERED, WATER, GF, 0.7U UG/L	5	5	0	0	5	3
49302	DICHLORPROP,RECV,FILTERED,WATER,GF,0.7U UG/L	5	5	0	0	5	3
49303	DICHLOBENIL,RECV,FILTERED,WATER,GF,0.7U UG/L	5	5	0	0	5	3
49304	DACTHAL, RECV,FILTERED,WATER,GF,0.7U UG/L	5	5	0	0	5	3
49305	CLOPYRALID,RECV,FILTERED,WATER,GF,0.7U UG/L	5	5	0	0	5	3
49306	CHLOROTHALONIL,RECV,FILTERED,WATER,GF,0.7U UG/L	5	5	0	0	5	3
49307	AMIBEN, RECV,FILTERED,WATER,GF,0.7U UG/L	5	5	0	0	5	3
49308	HYDROXYCARBOFURAN,3-,RECV,FILT,WATER,GF,0.7U UG/L	5	5	0	0	5	3
49309	CARBOFURAN,RECV,FILTERED,WATER,GF,0.7U UG/L	5	5	0	0	5	3
49310	CARBARYL,RECV,FILTERED,WATER,GF,0.7U UG/L	5	5	0	0	5	3
49311	BROMOXYNIL,RECV,FILTERED,WATER,GF,0.7U UG/L	5	5	0	0	5	3
49312	ALDICARB, RECV,FILTERED,WATER,GF,0.7U UG/L	5	5	0	0	5	3
49313	ALDICARB SULFONE,RECV,FILTERED,GF,0.7U UG/L	5	5	0	0	5	3
49314	ALDICARB SULFOXIDE,RECV,FILTERED,GF,0.7U UG/L	5	5	0	0	5	3
49315	ACIFLUORFEN,RECV,FILTERED,WATER,GF,0.7U UG/L	5	5	0	0	5	3
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	6	0	6	0	6	1
61223	E.COLI, WATER UNFILTERED,ONPG-MUG,COLILERT #/100ML	11	11	0	0	5	1
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	147	4	66	77	23	4
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	7	0	7	0	7	1
70302	SOLIDS, DISSOLVED-TONS PER DAY	62	0	42	20	11	2
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	88	0	54	34	15	2
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	19	5	14	0	12	4
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	3	3	0	0	2	1
71825	ACIDITY, TOTAL (MG/L AS H)	6	0	4	2	3	1

Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Parameter Code	Name	Total Obs	01/01/85 to 12/01/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	62	0	62	0	20	10
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	71	3	0	68	12	3
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11	0	11	0	11	9
71885	IRON (UG/L AS FE)	6	3	0	3	6	0
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	7	0	7	0	7	1
71900	MERCURY, TOTAL (UG/L AS HG)	118	63	55	0	40	15
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	16	0	16	0	7	1
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	3	3	0	0	3	0
74010	IRON, TOTAL (MG/L AS FE)	1031	785	246	0	12	9
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	52	5	47	0	12	4
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	46	0	46	0	7	1
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	3	3	0	0	3	0
81551	XYLENE WHL WATER SMPL UG/L	1	1	0	0	1	1
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	2	0	2	0	2	1
82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	11	0	11	0	11	9
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	7	0	7	0	7	1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	1047	804	243	0	12	9
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	74	3	71	0	26	11
82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	49	0	49	0	20	10
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	1045	799	246	0	12	9
82398	SAMPLING METHOD (CODES)	7	7	0	0	6	4
82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	5	5	0	0	5	3
82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	5	5	0	0	5	3
82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	5	5	0	0	5	3
82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	5	5	0	0	5	3
82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	5	5	0	0	5	3
83509	STREAM, WIDTH METER	3	3	0	0	3	0
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	3	0	3	0	3	0
84001	AQUIFER NAME CODE (SEE USGS CATALOG)	3	0	3	0	3	0
85000	STREAM MILE, ACTUAL MILES	36	36	0	0	4	2

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0007	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	09/27/67-04/22/68	0	10	
OBRI0009	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	01/21/75-09/13/76	1	16	
OBRI0011	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	06/23/67-12/13/76	9	17	
OBRI0012	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	10/04/67-04/22/68	0	7	
OBRI0015	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	03/11/75-09/08/76	1	14	
OBRI0016	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	06/23/67-12/08/76	9	18	
OBRI0032	Yes	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	09/27/67-11/02/71	4	15	
OBRI0051	Yes	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	06/23/67-04/23/68	0	13	
OBRI0058	Yes	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	09/28/67-11/02/71	4	15	
OBRI0069	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	09/28/67-04/23/68	0	8	
OBRI0074	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	06/23/67-06/23/67	0	1	
OBRI0085	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	06/23/67-11/02/71	4	16	
OBRI0100	Yes	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	09/28/67-04/23/68	0	8	
OBRI0103	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	06/23/67-11/02/71	4	16	
OBRI0106	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	06/23/67-03/17/76	8	28	
OBRI0112	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/06/71-11/02/71	0	5	
OBRI0113	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	09/28/67-11/09/67	0	3	
OBRI0115	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	06/23/67-11/02/71	4	20	
OBRI0118	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	06/23/67-11/07/67	0	6	
OBRI0121	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	06/23/67-11/07/67	0	7	
OBRI0122	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	06/01/71-12/08/76	5	10	
OBRI0123	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	10/14/75-09/08/76	0	15	
OBRI0128	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	06/23/67-11/02/71	4	18	
OBRI0133	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	06/23/67-11/07/67	0	6	
OBRI0134	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	06/23/67-11/07/67	0	6	
OBRI0135	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	09/28/67-11/02/71	4	12	
OBRI0007	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/27/67-04/22/68	0	10	
OBRI0008	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/05/83-12/10/87	4	15	
OBRI0009	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/21/75-09/13/76	1	16	
OBRI0011	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-12/13/76	9	17	
OBRI0012	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/04/67-04/22/68	0	7	
OBRI0015	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/11/75-09/08/76	1	14	
OBRI0016	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-12/08/76	9	18	
OBRI0032	Yes	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/27/67-11/02/71	4	15	
OBRI0051	Yes	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-04/23/68	0	13	
OBRI0058	Yes	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/28/67-11/02/71	4	15	
OBRI0069	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/28/67-04/23/68	0	8	
OBRI0074	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-06/23/67	0	1	
OBRI0085	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-11/02/71	4	16	
OBRI0100	Yes	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/28/67-04/23/68	0	8	
OBRI0103	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-11/02/71	4	16	
OBRI0106	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-03/17/76	8	19	
OBRI0107	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/05/73-09/04/74	0	12	
OBRI0112	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/06/71-11/02/71	0	5	
OBRI0113	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/28/67-11/09/67	0	3	
OBRI0115	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-11/02/71	4	20	
OBRI0118	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-11/07/67	0	6	
OBRI0120	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	12/21/82-12/10/87	4	15	
OBRI0121	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-11/07/67	0	7	
OBRI0122	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/01/71-12/08/76	5	10	
OBRI0123	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/14/75-09/08/76	0	15	
OBRI0128	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-11/02/71	4	18	
OBRI0133	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-11/07/67	0	6	
OBRI0134	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-11/07/67	0	6	
OBRI0135	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/28/67-11/02/71	4	12	
OBRI0004	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	04/29/96-11/18/98	2	13	
OBRI0008	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	11/22/82-10/11/88	5	18	
OBRI0020	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	05/13/98-12/01/98	0	3	
OBRI0043	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	05/13/98-12/01/98	0	3	
OBRI0051	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	04/01/96-04/01/96	0	1	
OBRI0054	Yes	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	04/17/96-11/24/98	2	13	
OBRI0066	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	08/21/96-11/24/98	2	11	
OBRI0110	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/19/91-12/11/91	0	6	
OBRI0120	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	12/21/82-12/14/88	5	17	
OBRI0001	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/10/74-12/17/74	0	2	
OBRI0002	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/10/74-12/10/74	0	1	
OBRI0003	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/10/74-12/17/74	0	2	
OBRI0004	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/29/96-11/18/98	2	12	
OBRI0005	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/65-08/18/81	16	26	
OBRI0007	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/27/67-04/22/68	0	10	
OBRI0008	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/22/82-10/11/88	5	18	
OBRI0009	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/75-09/13/76	1	16	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0010	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/13/76-12/13/76	0	4	
OBRI0011	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-04/22/68	0	13	
OBRI0012	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/27/67-04/22/68	0	8	
OBRI0013	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/24/79-08/18/81	2	9	
OBRI0015	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/65-09/08/76	11	33	
OBRI0016	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-04/22/68	0	13	
OBRI0017	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/11/76-12/08/76	0	5	
OBRI0019	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/79-08/19/81	2	6	
OBRI0020	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/13/98-12/01/98	0	3	
OBRI0021	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/96-06/26/96	0	1	
OBRI0022	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/80-08/03/80	0	1	
OBRI0023	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/79-09/30/80	0	5	
OBRI0024	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	14	90	
OBRI0025	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/79-06/26/79	0	1	
OBRI0026	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/79-06/26/79	0	1	
OBRI0027	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/79-09/30/80	0	5	
OBRI0029	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/80-08/03/80	0	1	
OBRI0030	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/79-06/26/79	0	1	
OBRI0031	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/79-06/26/79	0	1	
OBRI0032	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/67-11/02/71	4	14	
OBRI0033	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	14	110	
OBRI0035	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	14	108	
OBRI0036	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/79-06/26/79	0	1	
OBRI0037	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/79-09/30/80	0	5	
OBRI0038	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/79-06/26/79	0	1	
OBRI0039	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/80-08/03/80	0	1	
OBRI0041	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/79-08/18/81	2	6	
OBRI0042	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/65-05/23/65	0	1	
OBRI0043	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/13/98-12/01/98	0	3	
OBRI0044	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/80-08/03/80	0	1	
OBRI0045	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/79-06/26/79	0	1	
OBRI0046	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/30/64-08/20/85	20	62	
OBRI0048	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	14	106	
OBRI0049	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/79-09/30/80	0	5	
OBRI0050	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/65-10/06/65	0	2	
OBRI0051	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-04/23/68	0	13	
OBRI0052	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/97-03/25/97	0	2	
OBRI0053	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/80-06/22/80	0	1	
OBRI0054	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/96-11/24/98	2	12	
OBRI0055	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/79-09/30/80	0	6	
OBRI0058	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/28/67-11/02/71	4	15	
OBRI0059	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/06/66-08/19/81	14	17	
OBRI0060	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/80-08/03/80	0	1	
OBRI0062	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-06/05/91	8	54	
OBRI0063	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/65-10/06/65	0	1	
OBRI0064	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/79-09/30/80	0	5	
OBRI0066	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/17/96-11/24/98	2	10	
OBRI0067	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/96-12/04/97	1	9	
OBRI0068	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/79-06/26/79	0	1	
OBRI0069	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/28/67-04/23/68	0	8	
OBRI0070	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/79-09/30/80	0	5	
OBRI0071	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	14	107	
OBRI0072	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/96-07/24/96	0	1	
OBRI0073	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/02/80-03/02/80	0	1	
OBRI0075	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	14	106	
OBRI0076	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/96-07/22/96	0	1	
OBRI0077	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/79-09/30/80	0	5	
OBRI0078	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	14	104	
OBRI0079	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/80-06/22/80	0	1	
OBRI0080	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/96-12/03/97	1	9	
OBRI0081	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/65-05/22/65	0	1	
OBRI0082	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/24/79-08/19/81	2	4	
OBRI0083	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/80-07/31/80	0	1	
OBRI0084	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/65-08/18/81	16	11	
OBRI0085	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-11/02/71	4	16	
OBRI0086	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/28/80-05/28/80	0	1	
OBRI0087	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/28/80-05/28/80	0	1	
OBRI0088	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	14	108	
OBRI0089	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/86-05/01/86	0	1	
OBRI0090	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/79-09/30/80	0	5	
OBRI0091	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/96-07/23/96	0	1	
OBRI0092	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/07/82-04/12/90	7	49	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0094	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/21/80-06/21/80	0	1	
OBRI0096	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/96-12/04/97	1	9	
OBRI0097	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/25/96-07/25/96	0	1	
OBRI0098	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/79-09/30/80	0	5	
OBRI0099	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/29/79-03/29/79	0	1	
OBRI0100	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/28/67-04/23/68	0	8	
OBRI0101	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/17/97-03/17/97	0	1	
OBRI0103	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-11/02/71	4	16	
OBRI0104	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	14	105	
OBRI0105	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/79-09/30/80	0	5	
OBRI0106	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-03/17/76	8	18	
OBRI0107	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/73-09/04/74	0	12	
OBRI0109	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/28/86-04/28/86	0	1	
OBRI0110	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/91-12/11/91	0	6	
OBRI0111	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/28/86-04/28/86	0	1	
OBRI0112	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/71-11/02/71	0	5	
OBRI0113	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/28/67-11/09/67	0	3	
OBRI0114	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/01/80-10/01/80	0	1	
OBRI0115	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-11/02/71	4	19	
OBRI0116	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/29/79-03/29/79	0	1	
OBRI0118	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-11/07/67	0	6	
OBRI0120	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/15/83-12/14/88	5	13	
OBRI0121	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-11/07/67	0	7	
OBRI0122	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/01/71-12/08/76	5	10	
OBRI0123	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/14/75-09/08/76	0	15	
OBRI0125	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/29/79-03/29/79	0	1	
OBRI0126	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/06/92-09/20/95	3	13	
OBRI0128	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-11/02/71	4	17	
OBRI0129	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/29/79-03/29/79	0	1	
OBRI0130	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/29/79-03/29/79	0	1	
OBRI0133	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-11/07/67	0	6	
OBRI0134	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-11/07/67	0	6	
OBRI0135	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/28/67-11/02/71	4	12	
OBRI0006	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/07/73-11/07/74	0	12	
OBRI0014	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/07/73-11/07/74	0	12	
OBRI0018	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/07/73-11/07/74	0	12	
OBRI0056	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/07/73-11/07/74	0	12	
OBRI0093	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/07/73-11/07/74	0	12	
OBRI0108	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/07/73-11/07/74	0	12	
OBRI0072	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/22/96-07/22/96	0	1	
OBRI0091	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/25/96-07/25/96	0	1	
OBRI0126	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/04/92-01/30/95	2	5	
OBRI0022	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/03/80-08/03/80	0	1	
OBRI0023	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	11/16/79-09/30/80	0	5	
OBRI0027	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	11/16/79-09/30/80	0	5	
OBRI0029	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/03/80-08/03/80	0	1	
OBRI0037	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	11/16/79-09/30/80	0	5	
OBRI0039	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/03/80-08/03/80	0	1	
OBRI0044	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/03/80-08/03/80	0	1	
OBRI0049	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	11/16/79-09/30/80	0	5	
OBRI0053	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/22/80-06/22/80	0	1	
OBRI0055	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	11/16/79-09/30/80	0	6	
OBRI0060	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/03/80-08/03/80	0	1	
OBRI0064	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	11/16/79-09/30/80	0	5	
OBRI0070	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	11/16/79-09/30/80	0	5	
OBRI0073	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	03/02/80-03/02/80	0	1	
OBRI0077	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	11/16/79-09/30/80	0	5	
OBRI0079	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/22/80-06/22/80	0	1	
OBRI0083	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/31/80-07/31/80	0	1	
OBRI0086	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	05/28/80-05/28/80	0	1	
OBRI0087	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	05/28/80-05/28/80	0	1	
OBRI0090	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	11/16/79-09/30/80	0	5	
OBRI0094	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/21/80-06/21/80	0	1	
OBRI0098	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	11/16/79-09/30/80	0	5	
OBRI0105	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	11/16/79-09/30/80	0	5	
OBRI0114	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	10/01/80-10/01/80	0	1	
OBRI0021	No	00025	BAROMETRIC PRESSURE (MM OF HG)	06/26/96-06/26/96	0	1	
OBRI0052	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	03/13/97-03/25/97	0	2	
OBRI0072	No	00025	BAROMETRIC PRESSURE (MM OF HG)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	07/22/96-07/22/96	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0091	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	07/25/96-07/25/96	0	1	
OBRI0009	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	01/21/75-09/13/76	1	16	
OBRI0010	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	06/23/67-12/13/76	9	17	
OBRI0015	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/11/75-09/08/76	1	15	
OBRI0017	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	06/23/67-12/08/76	9	17	
OBRI0021	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	06/26/96-06/26/96	0	1	
OBRI0046	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/21/81-08/20/85	3	20	
OBRI0052	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/13/97-03/25/97	0	2	
OBRI0072	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/22/96-07/22/96	0	1	
OBRI0091	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/23/96-07/23/96	0	1	
OBRI0097	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/25/96-07/25/96	0	1	
OBRI0123	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/14/75-09/08/76	0	15	
OBRI0124	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	06/01/71-12/08/76	5	10	
OBRI0126	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	02/06/92-09/20/95	3	13	
OBRI0005	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	05/24/79-08/18/81	2	6	
OBRI0009	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	01/21/75-09/13/76	1	16	
OBRI0010	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/23/67-12/13/76	9	17	
OBRI0013	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	05/24/79-08/18/81	2	9	
OBRI0015	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	03/11/75-09/08/76	1	15	
OBRI0017	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/23/67-12/08/76	9	17	
OBRI0019	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	05/23/79-08/19/81	2	6	
OBRI0021	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/26/96-06/26/96	0	1	
OBRI0041	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	05/23/79-08/18/81	2	6	
OBRI0046	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	10/21/81-08/20/85	3	20	
OBRI0052	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	03/13/97-03/25/97	0	2	
OBRI0059	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	05/25/79-08/19/81	2	13	
OBRI0072	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/22/96-07/22/96	0	1	
OBRI0082	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	05/24/79-08/19/81	2	5	
OBRI0084	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	05/24/79-08/18/81	2	9	
OBRI0091	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/25/96-07/25/96	0	1	
OBRI0123	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	10/14/75-09/08/76	0	15	
OBRI0124	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/01/71-12/08/76	5	10	
OBRI0126	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	02/06/92-09/20/95	3	13	
OBRI0005	No	00060	FLOW, STREAM, MEAN DAILY CFS	10/07/65-07/29/68	2	19	
OBRI0015	No	00060	FLOW, STREAM, MEAN DAILY CFS	05/22/65-07/29/68	3	19	
OBRI0042	No	00060	FLOW, STREAM, MEAN DAILY CFS	05/23/65-05/23/65	0	1	
OBRI0046	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	02/02/65-05/23/68	3	20	
OBRI0050	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	05/22/65-10/06/65	0	2	
OBRI0059	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	09/06/66-06/21/67	0	5	
OBRI0063	No	00060	FLOW, STREAM, MEAN DAILY CFS	10/06/65-10/06/65	0	1	
OBRI0081	No	00060	FLOW, STREAM, MEAN DAILY CFS	05/22/65-05/22/65	0	1	
OBRI0084	No	00060	FLOW, STREAM, MEAN DAILY CFS	05/22/65-09/28/65	0	2	
OBRI0004	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/12/96-11/18/98	2	4	
OBRI0005	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/24/79-08/18/81	2	6	
OBRI0007	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/27/67-04/22/68	0	10	
OBRI0009	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/15/75-06/14/76	0	10	
OBRI0010	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/67-12/13/76	9	20	
OBRI0012	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/27/67-04/22/68	0	8	
OBRI0013	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/24/79-08/18/81	2	9	
OBRI0015	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/15/75-06/09/76	0	9	
OBRI0017	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/67-12/08/76	9	20	
OBRI0019	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/23/79-08/19/81	2	6	
OBRI0020	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/05/98-08/05/98	0	1	
OBRI0021	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/26/96-06/26/96	0	1	
OBRI0025	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/26/79-06/26/79	0	1	
OBRI0030	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/26/79-06/26/79	0	1	
OBRI0031	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/26/79-06/26/79	0	1	
OBRI0032	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/27/67-11/02/71	4	15	
OBRI0036	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/26/79-06/26/79	0	1	
OBRI0038	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/26/79-06/26/79	0	1	
OBRI0041	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/23/79-08/18/81	2	6	
OBRI0043	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/05/98-12/01/98	0	2	
OBRI0045	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/26/79-06/26/79	0	1	
OBRI0046	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/08/75-08/20/85	9	47	
OBRI0050	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/22/65-10/06/65	0	2	
OBRI0051	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/28/67-04/23/68	0	12	
OBRI0054	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/12/96-11/14/96	0	3	
OBRI0057	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/06/97-01/27/98	0	5	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0058	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/28/67-11/02/71	4	15	
OBRI0059	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/25/79-08/19/81	2	13	
OBRI0066	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/96-11/24/98	2	3	
OBRI0067	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/96-10/17/96	0	1	
OBRI0068	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/26/79-06/26/79	0	1	
OBRI0069	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/28/67-04/23/68	0	8	
OBRI0072	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/22/96-07/22/96	0	1	
OBRI0082	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/24/79-08/19/81	2	5	
OBRI0084	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/24/79-08/18/81	2	12	
OBRI0085	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/25/67-11/02/71	4	15	
OBRI0095	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/29/79-03/29/79	0	1	
OBRI0100	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/28/67-04/23/68	0	8	
OBRI0103	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/25/67-11/02/71	4	15	
OBRI0106	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/67-03/17/76	8	29	
OBRI0112	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/06/71-11/02/71	0	5	
OBRI0115	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/67-11/02/71	4	17	
OBRI0117	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/29/79-03/29/79	0	1	
OBRI0118	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/67-11/07/67	0	6	
OBRI0119	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/29/79-03/29/79	0	1	
OBRI0121	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/67-11/07/67	0	6	
OBRI0123	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/14/75-06/16/76	0	8	
OBRI0124	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/01/71-12/08/76	5	13	
OBRI0126	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/06/92-09/20/95	3	13	
OBRI0127	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/29/79-03/29/79	0	1	
OBRI0128	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/67-11/02/71	4	17	
OBRI0131	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/29/79-03/29/79	0	1	
OBRI0132	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/29/79-03/29/79	0	1	
OBRI0133	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/07/67-11/07/67	0	1	
OBRI0134	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/67-11/07/67	0	5	
OBRI0135	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/28/67-11/02/71	4	11	
OBRI0089	No	00064	DEPTH OF STREAM, MEAN (FT)	05/01/86-05/01/86	0	1	
OBRI0109	No	00064	DEPTH OF STREAM, MEAN (FT)	04/28/86-04/28/86	0	1	
OBRI0111	No	00064	DEPTH OF STREAM, MEAN (FT)	04/28/86-04/28/86	0	1	
OBRI0052	Yes	00065	STAGE, STREAM (FEET)	03/25/97-03/25/97	0	1	
OBRI0110	No	00068	DEPTH, MAXIMUM, OF SAMPLE (FEET)	06/19/91-12/11/91	0	6	
OBRI0001	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/10/74-12/17/74	0	2	
OBRI0002	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/10/74-12/10/74	0	1	
OBRI0003	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/10/74-12/17/74	0	2	
OBRI0004	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/29/96-11/18/98	2	12	
OBRI0007	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/27/67-04/22/68	0	6	
OBRI0009	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/21/75-09/13/76	1	14	
OBRI0010	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	11/17/75-12/13/76	1	12	
OBRI0011	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/23/67-12/13/76	9	11	
OBRI0012	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/27/67-04/22/68	0	6	
OBRI0015	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	03/11/75-09/08/76	1	12	
OBRI0016	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/23/67-12/08/76	9	12	
OBRI0017	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	03/11/75-12/08/76	1	15	
OBRI0020	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/13/98-12/01/98	0	3	
OBRI0032	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/27/67-11/02/71	4	11	
OBRI0043	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/13/98-12/01/98	0	3	
OBRI0051	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/28/67-04/23/68	0	8	
OBRI0054	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/17/96-11/24/98	2	12	
OBRI0058	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/28/67-11/02/71	4	10	
OBRI0066	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	08/21/96-11/24/98	2	11	
OBRI0067	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	08/21/96-12/04/97	1	9	
OBRI0069	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/28/67-04/23/68	0	6	
OBRI0080	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	08/20/96-12/03/97	1	9	
OBRI0085	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/23/67-11/02/71	4	14	
OBRI0096	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	08/21/96-12/04/97	1	9	
OBRI0099	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	03/29/79-03/29/79	0	1	
OBRI0100	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/28/67-04/23/68	0	6	
OBRI0103	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/28/67-11/02/71	4	11	
OBRI0106	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/23/67-03/17/76	8	15	
OBRI0107	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	11/05/73-09/04/74	0	12	
OBRI0112	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/06/71-11/02/71	0	5	
OBRI0115	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/23/67-11/02/71	4	16	
OBRI0116	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	03/29/79-03/29/79	0	1	
OBRI0118	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/23/67-06/23/67	0	1	
OBRI0121	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/23/67-06/23/67	0	1	
OBRI0122	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/01/71-12/08/76	5	9	
OBRI0123	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/14/75-09/08/76	0	13	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0125	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	03/29/79-03/29/79	0	1	
OBRI0128	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/23/67-11/02/71	4	14	
OBRI0129	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	03/29/79-03/29/79	0	1	
OBRI0130	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	03/29/79-03/29/79	0	1	
OBRI0133	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/23/67-06/23/67	0	1	
OBRI0134	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/23/67-06/23/67	0	1	
OBRI0135	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/16/67-11/02/71	4	10	
OBRI0006	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/07/73-11/07/74	0	12	
OBRI0014	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/07/73-11/07/74	0	12	
OBRI0018	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/07/73-11/07/74	0	12	
OBRI0056	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/07/73-11/07/74	0	12	
OBRI0093	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/07/73-11/07/74	0	12	
OBRI0108	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/07/73-11/07/74	0	12	
OBRI0110	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/19/91-12/11/91	0	6	
OBRI0004	No	00080	COLOR (PLATINUM-COBALT UNITS)	01/27/98-11/18/98	0	4	
OBRI0005	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/23/65-07/29/68	3	20	
OBRI0007	No	00080	COLOR (PLATINUM-COBALT UNITS)	09/27/67-04/22/68	0	6	
OBRI0008	No	00080	COLOR (PLATINUM-COBALT UNITS)	03/15/88-10/11/88	0	3	
OBRI0009	No	00080	COLOR (PLATINUM-COBALT UNITS)	01/21/75-09/13/76	1	14	
OBRI0011	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-12/13/76	9	12	
OBRI0012	No	00080	COLOR (PLATINUM-COBALT UNITS)	09/27/67-04/22/68	0	6	
OBRI0015	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/22/65-09/08/76	11	31	
OBRI0016	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-12/08/76	9	13	
OBRI0020	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/13/98-12/01/98	0	3	
OBRI0032	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	09/27/67-11/02/71	4	11	
OBRI0042	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/23/65-05/23/65	0	1	
OBRI0043	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/13/98-12/01/98	0	3	
OBRI0046	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	02/02/65-05/23/68	3	20	
OBRI0050	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	05/22/65-10/06/65	0	2	
OBRI0051	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-04/23/68	0	9	
OBRI0054	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	01/27/98-11/24/98	0	4	
OBRI0058	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	09/28/67-11/02/71	4	11	
OBRI0059	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	09/06/66-06/21/67	0	4	
OBRI0063	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/06/65-10/06/65	0	1	
OBRI0066	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/26/98-11/24/98	0	3	
OBRI0069	No	00080	COLOR (PLATINUM-COBALT UNITS)	09/28/67-04/23/68	0	6	
OBRI0081	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/22/65-05/22/65	0	1	
OBRI0084	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/22/65-09/28/65	0	2	
OBRI0085	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-11/02/71	4	14	
OBRI0089	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/01/86-05/01/86	0	1	
OBRI0099	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	03/29/79-03/29/79	0	1	
OBRI0100	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	09/28/67-04/23/68	0	6	
OBRI0103	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-11/02/71	4	14	
OBRI0106	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-03/17/76	8	16	
OBRI0107	No	00080	COLOR (PLATINUM-COBALT UNITS)	11/05/73-09/04/74	0	12	
OBRI0109	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/28/86-04/28/86	0	1	
OBRI0111	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/28/86-04/28/86	0	1	
OBRI0112	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/06/71-11/02/71	0	5	
OBRI0113	No	00080	COLOR (PLATINUM-COBALT UNITS)	09/28/67-11/09/67	0	3	
OBRI0115	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-11/02/71	4	16	
OBRI0116	No	00080	COLOR (PLATINUM-COBALT UNITS)	03/29/79-03/29/79	0	1	
OBRI0118	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-11/07/67	0	6	
OBRI0120	No	00080	COLOR (PLATINUM-COBALT UNITS)	03/15/88-12/14/88	0	3	
OBRI0121	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-11/07/67	0	6	
OBRI0122	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/01/71-12/08/76	5	9	
OBRI0123	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/14/75-09/08/76	0	13	
OBRI0125	No	00080	COLOR (PLATINUM-COBALT UNITS)	03/29/79-03/29/79	0	1	
OBRI0128	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-11/02/71	4	15	
OBRI0130	No	00080	COLOR (PLATINUM-COBALT UNITS)	03/29/79-03/29/79	0	1	
OBRI0133	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-11/07/67	0	6	
OBRI0134	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-11/07/67	0	6	
OBRI0135	No	00080	COLOR (PLATINUM-COBALT UNITS)	09/28/67-11/02/71	4	12	
OBRI0004	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/27/98-11/18/98	0	4	
OBRI0008	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	10/11/88-10/11/88	0	1	
OBRI0011	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	10/15/75-12/13/76	1	16	
OBRI0016	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	03/11/75-12/08/76	1	16	
OBRI0020	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	05/13/98-12/01/98	0	3	
OBRI0043	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	05/13/98-12/01/98	0	3	
OBRI0054	Yes	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/27/98-11/24/98	0	4	
OBRI0066	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	05/26/98-11/24/98	0	3	
OBRI0099	Yes	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	03/29/79-03/29/79	0	1	
OBRI0106	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	11/05/73-03/17/76	2	14	

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Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0116	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	03/29/79-03/29/79	0	1	
OBRI0120	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	12/14/88-12/14/88	0	1	
OBRI0122	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	10/14/75-12/08/76	1	14	
OBRI0125	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	03/29/79-03/29/79	0	1	
OBRI0129	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	03/29/79-03/29/79	0	1	
OBRI0130	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	03/29/79-03/29/79	0	1	
OBRI0004	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/29/96-11/18/98	2	12	
OBRI0020	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/13/98-12/01/98	0	3	
OBRI0022	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/80-08/03/80	0	1	
OBRI0023	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/16/79-09/30/80	0	5	
OBRI0025	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/26/79-06/26/79	0	1	
OBRI0026	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/26/79-06/26/79	0	1	
OBRI0027	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/16/79-09/30/80	0	5	
OBRI0029	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/80-08/03/80	0	1	
OBRI0030	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/26/79-06/26/79	0	1	
OBRI0031	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/26/79-06/26/79	0	1	
OBRI0036	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/26/79-06/26/79	0	1	
OBRI0037	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/16/79-09/30/80	0	5	
OBRI0038	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/26/79-06/26/79	0	1	
OBRI0039	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/80-08/03/80	0	1	
OBRI0043	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/13/98-12/01/98	0	3	
OBRI0044	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/80-08/03/80	0	1	
OBRI0045	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/26/79-06/26/79	0	1	
OBRI0049	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/16/79-09/30/80	0	5	
OBRI0053	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/22/80-06/22/80	0	1	
OBRI0054	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/96-11/24/98	2	12	
OBRI0055	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/16/79-09/30/80	0	6	
OBRI0060	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/80-08/03/80	0	1	
OBRI0064	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/16/79-09/30/80	0	5	
OBRI0066	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/17/96-11/24/98	2	10	
OBRI0067	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/21/96-12/04/97	1	9	
OBRI0068	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/26/79-06/26/79	0	1	
OBRI0070	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/16/79-09/30/80	0	5	
OBRI0073	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/02/80-03/02/80	0	1	
OBRI0077	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/16/79-09/30/80	0	5	
OBRI0079	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/22/80-06/22/80	0	1	
OBRI0080	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/20/96-12/03/97	1	9	
OBRI0083	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/31/80-07/31/80	0	1	
OBRI0086	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-05/28/80	0	1	
OBRI0087	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-05/28/80	0	1	
OBRI0090	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/16/79-09/30/80	0	5	
OBRI0094	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/80-06/21/80	0	1	
OBRI0096	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/21/96-12/04/97	1	9	
OBRI0098	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/16/79-09/30/80	0	5	
OBRI0105	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/16/79-09/30/80	0	5	
OBRI0110	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/19/91-12/11/91	0	6	
OBRI0114	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/01/80-10/01/80	0	1	
OBRI0001	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/10/74-12/17/74	0	2	
OBRI0002	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/10/74-12/10/74	0	1	
OBRI0003	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/10/74-12/17/74	0	2	
OBRI0005	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/23/65-08/18/81	16	26	S
OBRI0006	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/07/73-11/07/74	0	12	
OBRI0007	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/27/67-04/22/68	0	6	
OBRI0008	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/30/83-10/11/88	4	8	
OBRI0009	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/21/75-09/13/76	1	14	
OBRI0010	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/67-12/13/76	9	12	
OBRI0012	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/27/67-04/22/68	0	6	
OBRI0013	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/24/79-08/18/81	2	9	
OBRI0014	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/07/73-11/07/74	0	12	
OBRI0015	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/22/65-09/08/76	11	31	
OBRI0017	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/67-12/08/76	9	13	
OBRI0018	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/07/73-11/07/74	0	12	
OBRI0019	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/23/79-08/19/81	2	6	
OBRI0021	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/26/96-06/26/96	0	1	
OBRI0024	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	14	90	T
OBRI0028	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/15/79-10/15/79	0	1	
OBRI0032	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/27/67-11/02/71	4	11	
OBRI0033	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	14	109	T
OBRI0034	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/15/79-10/15/79	0	1	
OBRI0035	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	14	106	T
OBRI0040	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/15/79-10/15/79	0	1	
OBRI0041	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM 25C)	05/23/79-08/18/81	2	6	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0042	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/23/65-05/23/65	0	1	
OBRI0046	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/02/65-02/11/82	17	50	S
OBRI0047	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/15/79-10/15/79	0	1	
OBRI0048	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	14	104	T
OBRI0050	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/22/65-10/06/65	0	2	
OBRI0051	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/67-04/23/68	0	9	
OBRI0052	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/13/97-03/25/97	0	2	
OBRI0056	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/07/73-11/07/74	0	12	
OBRI0058	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/28/67-11/02/71	4	11	
OBRI0059	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/06/66-08/19/81	14	17	
OBRI0062	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-06/05/91	8	53	
OBRI0063	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/65-10/06/65	0	1	
OBRI0069	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/28/67-04/23/68	0	6	
OBRI0071	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	14	106	T
OBRI0072	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/96-07/24/96	0	1	
OBRI0075	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	14	105	T
OBRI0076	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/22/96-07/22/96	0	1	
OBRI0078	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	14	103	T
OBRI0081	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/22/65-05/22/65	0	1	
OBRI0082	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/24/79-08/19/81	2	4	
OBRI0084	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/22/65-08/18/81	16	11	
OBRI0085	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/67-11/02/71	4	14	
OBRI0088	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	14	107	T
OBRI0089	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/01/86-05/01/86	0	1	
OBRI0091	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/96-07/23/96	0	1	
OBRI0092	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/07/82-04/12/90	7	48	
OBRI0093	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/07/73-11/07/74	0	12	
OBRI0097	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/25/96-07/25/96	0	1	
OBRI0099	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/29/79-03/29/79	0	1	
OBRI0100	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/28/67-04/23/68	0	6	
OBRI0101	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/17/97-03/17/97	0	1	
OBRI0103	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/25/67-11/02/71	4	12	
OBRI0104	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	14	103	T
OBRI0106	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/67-03/17/76	8	16	
OBRI0107	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/73-09/04/74	0	12	
OBRI0108	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/07/73-11/07/74	0	12	
OBRI0109	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/28/86-04/28/86	0	1	
OBRI0111	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/28/86-04/28/86	0	1	
OBRI0112	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/06/71-11/02/71	0	5	
OBRI0115	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/67-11/02/71	4	16	
OBRI0116	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/29/79-03/29/79	0	1	
OBRI0118	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/67-06/23/67	0	1	
OBRI0120	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/21/82-12/14/88	5	16	
OBRI0121	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/67-06/23/67	0	1	
OBRI0123	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/14/75-09/08/76	0	13	
OBRI0124	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/01/71-12/08/76	5	9	
OBRI0125	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/29/79-03/29/79	0	1	
OBRI0126	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/21/93-09/20/95	1	8	
OBRI0128	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/67-11/02/71	4	15	
OBRI0129	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/29/79-03/29/79	0	1	
OBRI0130	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/29/79-03/29/79	0	1	
OBRI0133	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/67-06/23/67	0	1	
OBRI0134	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/67-06/23/67	0	1	
OBRI0135	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/16/67-11/02/71	4	10	
OBRI0006	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/07/73-11/07/74	0	12	
OBRI0014	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/07/73-11/07/74	0	12	
OBRI0018	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/07/73-11/07/74	0	12	
OBRI0024	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	14	87	T
OBRI0033	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	14	106	T
OBRI0035	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	14	104	T
OBRI0048	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	14	101	T
OBRI0056	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/07/73-11/07/74	0	12	
OBRI0062	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-06/05/91	8	51	
OBRI0071	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	14	103	T
OBRI0075	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	14	102	T
OBRI0078	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	14	100	T
OBRI0088	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	14	104	T
OBRI0089	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/86-05/01/86	0	1	
OBRI0092	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/07/82-04/12/90	7	46	
OBRI0093	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/07/73-11/07/74	0	12	
OBRI0101	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/17/97-03/17/97	0	1	
OBRI0104	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	14	100	T

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0108	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/07/73-11/07/74	0	12	
OBRI0109	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/28/86-04/28/86	0	1	
OBRI0111	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/28/86-04/28/86	0	1	
OBRI0004	No	00300	OXYGEN, DISSOLVED MG/L	04/29/96-11/18/98	2	12	
OBRI0007	No	00300	OXYGEN, DISSOLVED MG/L	09/27/67-04/22/68	0	10	
OBRI0008	No	00300	OXYGEN, DISSOLVED MG/L	11/22/82-10/11/88	5	19	
OBRI0009	No	00300	OXYGEN, DISSOLVED MG/L	01/21/75-09/13/76	1	15	
OBRI0010	No	00300	OXYGEN, DISSOLVED MG/L	06/23/67-12/13/76	9	16	
OBRI0012	No	00300	OXYGEN, DISSOLVED MG/L	09/27/67-04/22/68	0	8	
OBRI0013	No	00300	OXYGEN, DISSOLVED MG/L	02/14/81-05/06/81	0	3	
OBRI0015	No	00300	OXYGEN, DISSOLVED MG/L	03/11/75-09/08/76	1	13	
OBRI0017	No	00300	OXYGEN, DISSOLVED MG/L	06/23/67-12/08/76	9	16	
OBRI0019	No	00300	OXYGEN, DISSOLVED MG/L	08/19/81-08/19/81	0	1	
OBRI0020	No	00300	OXYGEN, DISSOLVED MG/L	05/13/98-12/01/98	0	3	
OBRI0021	No	00300	OXYGEN, DISSOLVED MG/L	06/26/96-06/26/96	0	1	
OBRI0022	No	00300	OXYGEN, DISSOLVED MG/L	08/03/80-08/03/80	0	1	
OBRI0023	Yes	00300	OXYGEN, DISSOLVED MG/L	11/16/79-09/30/80	0	4	
OBRI0025	Yes	00300	OXYGEN, DISSOLVED MG/L	06/26/79-06/26/79	0	1	
OBRI0026	Yes	00300	OXYGEN, DISSOLVED MG/L	06/26/79-06/26/79	0	1	
OBRI0027	Yes	00300	OXYGEN, DISSOLVED MG/L	11/16/79-09/30/80	0	4	
OBRI0030	No	00300	OXYGEN, DISSOLVED MG/L	06/26/79-06/26/79	0	1	
OBRI0031	Yes	00300	OXYGEN, DISSOLVED MG/L	06/26/79-06/26/79	0	1	
OBRI0032	Yes	00300	OXYGEN, DISSOLVED MG/L	09/27/67-11/02/71	4	15	
OBRI0036	Yes	00300	OXYGEN, DISSOLVED MG/L	06/26/79-06/26/79	0	1	
OBRI0037	Yes	00300	OXYGEN, DISSOLVED MG/L	11/16/79-09/30/80	0	3	
OBRI0038	Yes	00300	OXYGEN, DISSOLVED MG/L	06/26/79-06/26/79	0	1	
OBRI0043	No	00300	OXYGEN, DISSOLVED MG/L	08/05/98-12/01/98	0	2	
OBRI0044	No	00300	OXYGEN, DISSOLVED MG/L	08/03/80-08/03/80	0	1	
OBRI0045	No	00300	OXYGEN, DISSOLVED MG/L	06/26/79-06/26/79	0	1	
OBRI0049	Yes	00300	OXYGEN, DISSOLVED MG/L	11/16/79-09/30/80	0	4	
OBRI0051	Yes	00300	OXYGEN, DISSOLVED MG/L	06/23/67-04/23/68	0	13	
OBRI0052	Yes	00300	OXYGEN, DISSOLVED MG/L	03/13/97-03/25/97	0	2	
OBRI0053	No	00300	OXYGEN, DISSOLVED MG/L	06/22/80-06/22/80	0	1	
OBRI0054	Yes	00300	OXYGEN, DISSOLVED MG/L	04/17/96-11/24/98	2	12	
OBRI0055	Yes	00300	OXYGEN, DISSOLVED MG/L	11/16/79-09/30/80	0	5	
OBRI0058	Yes	00300	OXYGEN, DISSOLVED MG/L	09/28/67-11/02/71	4	15	
OBRI0059	Yes	00300	OXYGEN, DISSOLVED MG/L	02/14/81-08/19/81	0	9	
OBRI0060	Yes	00300	OXYGEN, DISSOLVED MG/L	08/03/80-08/03/80	0	1	
OBRI0064	Yes	00300	OXYGEN, DISSOLVED MG/L	11/16/79-09/30/80	0	4	
OBRI0066	No	00300	OXYGEN, DISSOLVED MG/L	10/17/96-11/24/98	2	10	
OBRI0067	No	00300	OXYGEN, DISSOLVED MG/L	08/21/96-12/04/97	1	9	
OBRI0068	No	00300	OXYGEN, DISSOLVED MG/L	06/26/79-06/26/79	0	1	
OBRI0069	No	00300	OXYGEN, DISSOLVED MG/L	09/28/67-04/23/68	0	8	
OBRI0070	No	00300	OXYGEN, DISSOLVED MG/L	11/16/79-09/30/80	0	4	
OBRI0072	No	00300	OXYGEN, DISSOLVED MG/L	07/24/96-07/24/96	0	1	
OBRI0073	No	00300	OXYGEN, DISSOLVED MG/L	03/02/80-03/02/80	0	1	
OBRI0076	Yes	00300	OXYGEN, DISSOLVED MG/L	07/22/96-07/22/96	0	1	
OBRI0077	Yes	00300	OXYGEN, DISSOLVED MG/L	11/16/79-09/30/80	0	4	
OBRI0079	Yes	00300	OXYGEN, DISSOLVED MG/L	06/22/80-06/22/80	0	1	
OBRI0080	No	00300	OXYGEN, DISSOLVED MG/L	08/20/96-12/03/97	1	9	
OBRI0082	No	00300	OXYGEN, DISSOLVED MG/L	08/19/81-08/19/81	0	1	
OBRI0083	No	00300	OXYGEN, DISSOLVED MG/L	07/31/80-07/31/80	0	1	
OBRI0084	No	00300	OXYGEN, DISSOLVED MG/L	08/18/81-08/18/81	0	1	
OBRI0085	No	00300	OXYGEN, DISSOLVED MG/L	06/23/67-11/02/71	4	16	
OBRI0090	Yes	00300	OXYGEN, DISSOLVED MG/L	11/16/79-09/30/80	0	4	
OBRI0091	Yes	00300	OXYGEN, DISSOLVED MG/L	07/23/96-07/23/96	0	1	
OBRI0094	No	00300	OXYGEN, DISSOLVED MG/L	06/21/80-06/21/80	0	1	
OBRI0096	Yes	00300	OXYGEN, DISSOLVED MG/L	08/21/96-12/04/97	1	9	
OBRI0097	Yes	00300	OXYGEN, DISSOLVED MG/L	07/25/96-07/25/96	0	1	
OBRI0098	Yes	00300	OXYGEN, DISSOLVED MG/L	11/16/79-09/30/80	0	4	
OBRI0099	Yes	00300	OXYGEN, DISSOLVED MG/L	03/29/79-03/29/79	0	1	
OBRI0100	Yes	00300	OXYGEN, DISSOLVED MG/L	09/28/67-04/23/68	0	8	
OBRI0103	No	00300	OXYGEN, DISSOLVED MG/L	06/23/67-11/02/71	4	16	
OBRI0105	No	00300	OXYGEN, DISSOLVED MG/L	11/16/79-09/30/80	0	4	
OBRI0106	No	00300	OXYGEN, DISSOLVED MG/L	06/23/67-03/17/76	8	17	
OBRI0107	No	00300	OXYGEN, DISSOLVED MG/L	11/05/73-09/04/74	0	12	
OBRI0110	No	00300	OXYGEN, DISSOLVED MG/L	06/19/91-12/11/91	0	6	
OBRI0112	No	00300	OXYGEN, DISSOLVED MG/L	07/06/71-11/02/71	0	5	
OBRI0113	No	00300	OXYGEN, DISSOLVED MG/L	09/28/67-11/09/67	0	3	
OBRI0114	No	00300	OXYGEN, DISSOLVED MG/L	10/01/80-10/01/80	0	1	
OBRI0115	No	00300	OXYGEN, DISSOLVED MG/L	06/23/67-11/02/71	4	19	
OBRI0116	No	00300	OXYGEN, DISSOLVED MG/L	03/29/79-03/29/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0118	No	00300	OXYGEN, DISSOLVED MG/L	06/23/67-11/07/67	0	6	
OBRI0120	No	00300	OXYGEN, DISSOLVED MG/L	12/21/82-05/31/88	5	14	
OBRI0121	No	00300	OXYGEN, DISSOLVED MG/L	07/25/67-11/07/67	0	6	
OBRI0123	No	00300	OXYGEN, DISSOLVED MG/L	10/14/75-09/08/76	0	14	
OBRI0124	No	00300	OXYGEN, DISSOLVED MG/L	06/01/71-12/08/76	5	9	
OBRI0125	No	00300	OXYGEN, DISSOLVED MG/L	03/29/79-03/29/79	0	1	
OBRI0128	No	00300	OXYGEN, DISSOLVED MG/L	06/23/67-11/02/71	4	17	
OBRI0129	No	00300	OXYGEN, DISSOLVED MG/L	03/29/79-03/29/79	0	1	
OBRI0130	No	00300	OXYGEN, DISSOLVED MG/L	03/29/79-03/29/79	0	1	
OBRI0133	No	00300	OXYGEN, DISSOLVED MG/L	06/23/67-11/07/67	0	6	
OBRI0134	No	00300	OXYGEN, DISSOLVED MG/L	06/23/67-11/07/67	0	6	
OBRI0135	No	00300	OXYGEN, DISSOLVED MG/L	09/28/67-11/02/71	4	12	
OBRI0106	No	00304	BOD, 2 DAY, 20 DEG C MG/L	06/23/67-06/23/67	0	1	
OBRI0113	No	00304	BOD, 2 DAY, 20 DEG C MG/L	09/28/67-11/09/67	0	3	
OBRI0115	No	00304	BOD, 2 DAY, 20 DEG C MG/L	06/23/67-04/23/68	0	7	
OBRI0118	No	00304	BOD, 2 DAY, 20 DEG C MG/L	06/23/67-11/07/67	0	6	
OBRI0121	No	00304	BOD, 2 DAY, 20 DEG C MG/L	06/23/67-11/07/67	0	6	
OBRI0128	No	00304	BOD, 2 DAY, 20 DEG C MG/L	11/07/67-11/07/67	0	1	
OBRI0133	No	00304	BOD, 2 DAY, 20 DEG C MG/L	06/23/67-11/07/67	0	6	
OBRI0134	No	00304	BOD, 2 DAY, 20 DEG C MG/L	06/23/67-11/07/67	0	6	
OBRI0135	No	00304	BOD, 2 DAY, 20 DEG C MG/L	09/28/67-11/07/67	0	3	
OBRI0099	Yes	00308	BOD, NITROGEN INHIB.,TOTAL, 20 DAY, 20 DEG C MG/L	03/29/79-03/29/79	0	1	
OBRI0116	No	00308	BOD, NITROGEN INHIB.,TOTAL, 20 DAY, 20 DEG C MG/L	03/29/79-03/29/79	0	1	
OBRI0125	No	00308	BOD, NITROGEN INHIB.,TOTAL, 20 DAY, 20 DEG C MG/L	03/29/79-03/29/79	0	1	
OBRI0129	No	00308	BOD, NITROGEN INHIB.,TOTAL, 20 DAY, 20 DEG C MG/L	03/29/79-03/29/79	0	1	
OBRI0130	No	00308	BOD, NITROGEN INHIB.,TOTAL, 20 DAY, 20 DEG C MG/L	03/29/79-03/29/79	0	1	
OBRI0007	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/27/67-04/22/68	0	6	
OBRI0008	No	00310	BOD, 5 DAY, 20 DEG C MG/L	11/22/82-10/11/88	5	18	
OBRI0009	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/09/76-08/03/76	0	2	
OBRI0010	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-10/13/76	9	10	
OBRI0012	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/27/67-04/22/68	0	6	
OBRI0015	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/11/75-09/08/76	1	13	
OBRI0017	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-11/03/76	9	13	
OBRI0032	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	09/27/67-11/02/71	4	11	
OBRI0051	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-04/01/96	28	10	
OBRI0058	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	09/28/67-11/02/71	4	11	
OBRI0069	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/28/67-04/23/68	0	6	
OBRI0085	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-11/02/71	4	14	
OBRI0099	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	03/29/79-03/29/79	0	1	
OBRI0100	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	09/28/67-04/23/68	0	6	
OBRI0103	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-11/02/71	4	14	
OBRI0106	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-03/17/76	8	16	
OBRI0112	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/06/71-11/02/71	0	5	
OBRI0113	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/28/67-11/09/67	0	3	
OBRI0115	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-11/02/71	4	16	
OBRI0116	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/29/79-03/29/79	0	1	
OBRI0118	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-11/07/67	0	5	
OBRI0120	No	00310	BOD, 5 DAY, 20 DEG C MG/L	12/21/82-12/14/88	5	16	
OBRI0121	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-11/07/67	0	6	
OBRI0123	No	00310	BOD, 5 DAY, 20 DEG C MG/L	11/19/75-09/08/76	0	13	
OBRI0124	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/01/71-12/08/76	5	11	
OBRI0125	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/29/79-03/29/79	0	1	
OBRI0128	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-11/02/71	4	14	
OBRI0129	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/29/79-03/29/79	0	1	
OBRI0130	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/29/79-03/29/79	0	1	
OBRI0133	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-11/07/67	0	5	
OBRI0134	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-10/16/67	0	5	
OBRI0135	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/28/67-11/02/71	4	12	
OBRI0099	Yes	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	03/29/79-03/29/79	0	1	
OBRI0116	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	03/29/79-03/29/79	0	1	
OBRI0125	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	03/29/79-03/29/79	0	1	
OBRI0129	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	03/29/79-03/29/79	0	1	
OBRI0130	No	00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	03/29/79-03/29/79	0	1	
OBRI0099	Yes	00324	BOD, 20 DAY, 20 DEG C MG/L	03/29/79-03/29/79	0	1	
OBRI0116	No	00324	BOD, 20 DAY, 20 DEG C MG/L	03/29/79-03/29/79	0	1	
OBRI0125	No	00324	BOD, 20 DAY, 20 DEG C MG/L	03/29/79-03/29/79	0	1	
OBRI0129	No	00324	BOD, 20 DAY, 20 DEG C MG/L	03/29/79-03/29/79	0	1	
OBRI0130	No	00324	BOD, 20 DAY, 20 DEG C MG/L	03/29/79-03/29/79	0	1	
OBRI0007	No	00335	COD, .025N K2CR2O7 MG/L	09/27/67-04/22/68	0	6	
OBRI0008	No	00335	COD, .025N K2CR2O7 MG/L	11/22/82-10/11/88	5	17	
OBRI0009	No	00335	COD, .025N K2CR2O7 MG/L	01/21/75-09/13/76	1	14	
OBRI0011	No	00335	COD, .025N K2CR2O7 MG/L	06/23/67-12/13/76	9	12	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0012	No	00335	COD, .025N K2CR2O7 MG/L	09/27/67-04/22/68	0	6	
OBRI0015	No	00335	COD, .025N K2CR2O7 MG/L	03/11/75-09/08/76	1	12	
OBRI0016	No	00335	COD, .025N K2CR2O7 MG/L	06/23/67-12/08/76	9	13	
OBRI0032	Yes	00335	COD, .025N K2CR2O7 MG/L	09/27/67-04/22/68	0	6	
OBRI0051	Yes	00335	COD, .025N K2CR2O7 MG/L	06/23/67-04/01/96	28	10	
OBRI0058	Yes	00335	COD, .025N K2CR2O7 MG/L	09/28/67-04/23/68	0	6	
OBRI0066	No	00335	COD, .025N K2CR2O7 MG/L	08/21/96-10/06/97	1	8	
OBRI0069	No	00335	COD, .025N K2CR2O7 MG/L	09/28/67-04/23/68	0	6	
OBRI0085	No	00335	COD, .025N K2CR2O7 MG/L	06/23/67-04/23/68	0	9	
OBRI0100	Yes	00335	COD, .025N K2CR2O7 MG/L	09/28/67-04/23/68	0	6	
OBRI0103	No	00335	COD, .025N K2CR2O7 MG/L	06/23/67-04/23/68	0	9	
OBRI0106	No	00335	COD, .025N K2CR2O7 MG/L	06/23/67-03/17/76	8	11	
OBRI0107	No	00335	COD, .025N K2CR2O7 MG/L	02/05/74-09/04/74	0	9	
OBRI0113	No	00335	COD, .025N K2CR2O7 MG/L	10/16/67-10/16/67	0	1	
OBRI0115	No	00335	COD, .025N K2CR2O7 MG/L	06/23/67-04/23/68	0	8	
OBRI0120	No	00335	COD, .025N K2CR2O7 MG/L	12/21/82-12/14/88	5	16	
OBRI0122	No	00335	COD, .025N K2CR2O7 MG/L	10/06/76-12/08/76	0	3	
OBRI0123	No	00335	COD, .025N K2CR2O7 MG/L	10/14/75-09/08/76	0	13	
OBRI0128	No	00335	COD, .025N K2CR2O7 MG/L	06/23/67-04/23/68	0	9	
OBRI0135	No	00335	COD, .025N K2CR2O7 MG/L	10/16/67-04/23/68	0	5	
OBRI0067	No	00340	COD, .25N K2CR2O7 MG/L	08/21/96-12/04/97	1	9	
OBRI0080	No	00340	COD, .25N K2CR2O7 MG/L	08/20/96-12/03/97	1	9	
OBRI0096	Yes	00340	COD, .25N K2CR2O7 MG/L	08/21/96-12/04/97	1	9	
OBRI0099	Yes	00340	COD, .25N K2CR2O7 MG/L	03/29/79-03/29/79	0	1	
OBRI0116	No	00340	COD, .25N K2CR2O7 MG/L	03/29/79-03/29/79	0	1	
OBRI0125	No	00340	COD, .25N K2CR2O7 MG/L	03/29/79-03/29/79	0	1	
OBRI0129	No	00340	COD, .25N K2CR2O7 MG/L	03/29/79-03/29/79	0	1	
OBRI0130	No	00340	COD, .25N K2CR2O7 MG/L	03/29/79-03/29/79	0	1	
OBRI0001	No	00400	PH (STANDARD UNITS)	12/10/74-12/17/74	0	2	
OBRI0002	No	00400	PH (STANDARD UNITS)	12/10/74-12/10/74	0	1	
OBRI0003	No	00400	PH (STANDARD UNITS)	12/10/74-12/17/74	0	2	
OBRI0004	No	00400	PH (STANDARD UNITS)	04/29/96-11/18/98	2	10	
OBRI0005	No	00400	PH (STANDARD UNITS)	05/23/65-08/18/81	16	26	S
OBRI0007	No	00400	PH (STANDARD UNITS)	09/27/67-04/22/68	0	10	
OBRI0009	No	00400	PH (STANDARD UNITS)	01/21/75-09/13/76	1	15	
OBRI0010	No	00400	PH (STANDARD UNITS)	06/23/67-12/13/76	9	16	
OBRI0012	No	00400	PH (STANDARD UNITS)	09/27/67-04/22/68	0	8	
OBRI0013	No	00400	PH (STANDARD UNITS)	05/24/79-08/18/81	2	9	
OBRI0015	No	00400	PH (STANDARD UNITS)	05/22/65-09/08/76	11	32	
OBRI0017	No	00400	PH (STANDARD UNITS)	06/23/67-12/08/76	9	17	
OBRI0019	No	00400	PH (STANDARD UNITS)	05/23/79-08/19/81	2	6	
OBRI0020	No	00400	PH (STANDARD UNITS)	05/13/98-12/01/98	0	3	
OBRI0021	No	00400	PH (STANDARD UNITS)	06/26/96-06/26/96	0	1	
OBRI0028	No	00400	PH (STANDARD UNITS)	10/15/79-10/15/79	0	1	
OBRI0032	Yes	00400	PH (STANDARD UNITS)	09/27/67-11/02/71	4	15	
OBRI0034	No	00400	PH (STANDARD UNITS)	10/15/79-10/15/79	0	1	
OBRI0040	No	00400	PH (STANDARD UNITS)	10/15/79-10/15/79	0	1	
OBRI0041	No	00400	PH (STANDARD UNITS)	05/23/79-08/18/81	2	6	
OBRI0042	No	00400	PH (STANDARD UNITS)	05/23/65-05/23/65	0	1	
OBRI0043	No	00400	PH (STANDARD UNITS)	05/13/98-12/01/98	0	3	
OBRI0046	Yes	00400	PH (STANDARD UNITS)	02/02/65-05/23/68	3	20	
OBRI0047	No	00400	PH (STANDARD UNITS)	10/15/79-10/15/79	0	1	
OBRI0050	Yes	00400	PH (STANDARD UNITS)	05/22/65-10/06/65	0	2	
OBRI0051	Yes	00400	PH (STANDARD UNITS)	06/23/67-04/23/68	0	12	
OBRI0052	Yes	00400	PH (STANDARD UNITS)	03/13/97-03/25/97	0	2	
OBRI0054	Yes	00400	PH (STANDARD UNITS)	04/17/96-11/24/98	2	9	
OBRI0058	Yes	00400	PH (STANDARD UNITS)	09/28/67-11/02/71	4	15	
OBRI0059	Yes	00400	PH (STANDARD UNITS)	09/06/66-08/19/81	14	17	
OBRI0063	No	00400	PH (STANDARD UNITS)	10/06/65-10/06/65	0	1	
OBRI0066	No	00400	PH (STANDARD UNITS)	10/17/96-11/24/98	2	10	
OBRI0067	No	00400	PH (STANDARD UNITS)	08/21/96-10/06/97	1	8	
OBRI0069	No	00400	PH (STANDARD UNITS)	09/28/67-04/23/68	0	8	
OBRI0072	No	00400	PH (STANDARD UNITS)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00400	PH (STANDARD UNITS)	07/22/96-07/22/96	0	1	
OBRI0080	No	00400	PH (STANDARD UNITS)	08/20/96-09/29/97	1	8	
OBRI0081	No	00400	PH (STANDARD UNITS)	05/22/65-05/22/65	0	1	
OBRI0082	No	00400	PH (STANDARD UNITS)	05/24/79-08/19/81	2	4	
OBRI0084	No	00400	PH (STANDARD UNITS)	05/22/65-08/18/81	16	11	
OBRI0085	No	00400	PH (STANDARD UNITS)	07/25/67-11/02/71	4	15	
OBRI0091	Yes	00400	PH (STANDARD UNITS)	07/23/96-07/23/96	0	1	
OBRI0096	Yes	00400	PH (STANDARD UNITS)	10/17/96-10/06/97	0	7	
OBRI0097	Yes	00400	PH (STANDARD UNITS)	07/25/96-07/25/96	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0100	Yes	00400	PH (STANDARD UNITS)	09/28/67-04/23/68	0	8	
OBRI0103	No	00400	PH (STANDARD UNITS)	06/23/67-11/02/71	4	16	
OBRI0106	No	00400	PH (STANDARD UNITS)	06/23/67-03/17/76	8	18	
OBRI0107	No	00400	PH (STANDARD UNITS)	11/05/73-09/04/74	0	12	
OBRI0110	No	00400	PH (STANDARD UNITS)	06/19/91-12/11/91	0	6	
OBRI0112	No	00400	PH (STANDARD UNITS)	07/06/71-11/02/71	0	5	
OBRI0113	No	00400	PH (STANDARD UNITS)	09/28/67-11/09/67	0	3	
OBRI0115	No	00400	PH (STANDARD UNITS)	06/23/67-11/02/71	4	17	
OBRI0118	No	00400	PH (STANDARD UNITS)	07/25/67-11/07/67	0	5	
OBRI0121	No	00400	PH (STANDARD UNITS)	07/25/67-11/07/67	0	5	
OBRI0123	No	00400	PH (STANDARD UNITS)	10/14/75-09/08/76	0	14	
OBRI0124	No	00400	PH (STANDARD UNITS)	07/06/71-12/08/76	5	8	
OBRI0128	No	00400	PH (STANDARD UNITS)	06/23/67-11/02/71	4	16	
OBRI0133	No	00400	PH (STANDARD UNITS)	06/23/67-11/07/67	0	6	
OBRI0134	No	00400	PH (STANDARD UNITS)	07/25/67-11/07/67	0	5	
OBRI0135	No	00400	PH (STANDARD UNITS)	09/28/67-11/02/71	4	11	
OBRI0005	No	00403	PH, LAB, STANDARD UNITS SU	08/18/81-08/18/81	0	1	
OBRI0008	No	00403	PH, LAB, STANDARD UNITS SU	11/22/82-10/11/88	5	19	
OBRI0013	No	00403	PH, LAB, STANDARD UNITS SU	02/14/81-08/18/81	0	4	
OBRI0019	No	00403	PH, LAB, STANDARD UNITS SU	08/19/81-08/19/81	0	1	
OBRI0021	No	00403	PH, LAB, STANDARD UNITS SU	06/26/96-06/26/96	0	1	
OBRI0028	No	00403	PH, LAB, STANDARD UNITS SU	10/15/79-10/15/79	0	1	
OBRI0034	No	00403	PH, LAB, STANDARD UNITS SU	10/15/79-10/15/79	0	1	
OBRI0040	No	00403	PH, LAB, STANDARD UNITS SU	10/15/79-10/15/79	0	1	
OBRI0041	No	00403	PH, LAB, STANDARD UNITS SU	08/18/81-08/18/81	0	1	
OBRI0047	No	00403	PH, LAB, STANDARD UNITS SU	10/15/79-10/15/79	0	1	
OBRI0051	Yes	00403	PH, LAB, STANDARD UNITS SU	04/01/96-04/01/96	0	1	
OBRI0059	Yes	00403	PH, LAB, STANDARD UNITS SU	02/14/81-08/19/81	0	6	
OBRI0072	No	00403	PH, LAB, STANDARD UNITS SU	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00403	PH, LAB, STANDARD UNITS SU	07/22/96-07/22/96	0	1	
OBRI0082	No	00403	PH, LAB, STANDARD UNITS SU	08/19/81-08/19/81	0	1	
OBRI0084	No	00403	PH, LAB, STANDARD UNITS SU	08/18/81-08/18/81	0	1	
OBRI0089	No	00403	PH, LAB, STANDARD UNITS SU	05/01/86-05/01/86	0	1	
OBRI0091	Yes	00403	PH, LAB, STANDARD UNITS SU	07/23/96-07/23/96	0	1	
OBRI0097	Yes	00403	PH, LAB, STANDARD UNITS SU	07/25/96-07/25/96	0	1	
OBRI0099	Yes	00403	PH, LAB, STANDARD UNITS SU	03/29/79-03/29/79	0	1	
OBRI0109	No	00403	PH, LAB, STANDARD UNITS SU	04/28/86-04/28/86	0	1	
OBRI0111	No	00403	PH, LAB, STANDARD UNITS SU	04/28/86-04/28/86	0	1	
OBRI0116	No	00403	PH, LAB, STANDARD UNITS SU	03/29/79-03/29/79	0	1	
OBRI0120	No	00403	PH, LAB, STANDARD UNITS SU	12/21/82-12/14/88	5	16	
OBRI0125	No	00403	PH, LAB, STANDARD UNITS SU	03/29/79-03/29/79	0	1	
OBRI0129	No	00403	PH, LAB, STANDARD UNITS SU	03/29/79-03/29/79	0	1	
OBRI0130	No	00403	PH, LAB, STANDARD UNITS SU	03/29/79-03/29/79	0	1	
OBRI0001	No	00405	CARBON DIOXIDE (MG/L AS CO2)	12/10/74-12/17/74	0	2	
OBRI0002	No	00405	CARBON DIOXIDE (MG/L AS CO2)	12/10/74-12/10/74	0	1	
OBRI0003	No	00405	CARBON DIOXIDE (MG/L AS CO2)	12/10/74-12/17/74	0	2	
OBRI0050	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	05/22/65-10/06/65	0	2	
OBRI0059	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	09/06/79-09/06/79	0	1	
OBRI0082	No	00405	CARBON DIOXIDE (MG/L AS CO2)	09/06/79-09/06/79	0	1	
OBRI0006	No	00406	PH, FIELD, STANDARD UNITS SU	12/07/73-11/07/74	0	12	
OBRI0014	No	00406	PH, FIELD, STANDARD UNITS SU	12/07/73-11/07/74	0	12	
OBRI0018	No	00406	PH, FIELD, STANDARD UNITS SU	12/07/73-11/07/74	0	12	
OBRI0022	No	00406	PH, FIELD, STANDARD UNITS SU	08/03/80-08/03/80	0	1	
OBRI0023	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/16/79-09/30/80	0	5	
OBRI0024	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	14	85	T
OBRI0025	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/26/79-06/26/79	0	1	
OBRI0026	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/26/79-06/26/79	0	1	
OBRI0027	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/16/79-09/30/80	0	5	
OBRI0029	No	00406	PH, FIELD, STANDARD UNITS SU	08/03/80-08/03/80	0	1	
OBRI0030	No	00406	PH, FIELD, STANDARD UNITS SU	06/26/79-06/26/79	0	1	
OBRI0031	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/26/79-06/26/79	0	1	
OBRI0033	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	14	102	T
OBRI0035	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	14	99	T
OBRI0036	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/26/79-06/26/79	0	1	
OBRI0037	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/16/79-09/30/80	0	5	
OBRI0038	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/26/79-06/26/79	0	1	
OBRI0039	No	00406	PH, FIELD, STANDARD UNITS SU	08/03/80-08/03/80	0	1	
OBRI0044	No	00406	PH, FIELD, STANDARD UNITS SU	08/03/80-08/03/80	0	1	
OBRI0045	No	00406	PH, FIELD, STANDARD UNITS SU	06/26/79-06/26/79	0	1	
OBRI0048	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	14	96	T
OBRI0049	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/16/79-09/30/80	0	5	
OBRI0053	No	00406	PH, FIELD, STANDARD UNITS SU	06/22/80-06/22/80	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0055	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/16/79-09/30/80	0	6	
OBRI0056	Yes	00406	PH, FIELD, STANDARD UNITS SU	12/07/73-11/07/74	0	12	
OBRI0060	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/03/80-08/03/80	0	1	
OBRI0062	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/10/82-06/05/91	8	49	
OBRI0064	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/16/79-09/30/80	0	5	
OBRI0068	No	00406	PH, FIELD, STANDARD UNITS SU	06/26/79-06/26/79	0	1	
OBRI0070	No	00406	PH, FIELD, STANDARD UNITS SU	11/16/79-09/30/80	0	5	
OBRI0071	No	00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	14	97	T
OBRI0073	No	00406	PH, FIELD, STANDARD UNITS SU	03/02/80-03/02/80	0	1	
OBRI0075	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	14	97	T
OBRI0077	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/16/79-09/30/80	0	5	
OBRI0078	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	14	95	T
OBRI0079	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/22/80-06/22/80	0	1	
OBRI0083	No	00406	PH, FIELD, STANDARD UNITS SU	07/31/80-07/31/80	0	1	
OBRI0086	No	00406	PH, FIELD, STANDARD UNITS SU	05/28/80-05/28/80	0	1	
OBRI0087	No	00406	PH, FIELD, STANDARD UNITS SU	05/28/80-05/28/80	0	1	
OBRI0088	No	00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	14	99	T
OBRI0090	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/16/79-09/30/80	0	5	
OBRI0092	Yes	00406	PH, FIELD, STANDARD UNITS SU	12/07/82-10/24/89	6	43	
OBRI0093	No	00406	PH, FIELD, STANDARD UNITS SU	12/07/73-11/07/74	0	12	
OBRI0094	No	00406	PH, FIELD, STANDARD UNITS SU	06/21/80-06/21/80	0	1	
OBRI0098	Yes	00406	PH, FIELD, STANDARD UNITS SU	11/16/79-09/30/80	0	5	
OBRI0101	Yes	00406	PH, FIELD, STANDARD UNITS SU	03/17/97-03/17/97	0	1	
OBRI0104	No	00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	14	96	T
OBRI0105	No	00406	PH, FIELD, STANDARD UNITS SU	11/16/79-09/30/80	0	5	
OBRI0108	No	00406	PH, FIELD, STANDARD UNITS SU	12/07/73-11/07/74	0	12	
OBRI0114	No	00406	PH, FIELD, STANDARD UNITS SU	10/01/80-10/01/80	0	1	
OBRI0089	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	05/01/86-05/01/86	0	1	
OBRI0109	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/28/86-04/28/86	0	1	
OBRI0111	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/28/86-04/28/86	0	1	
OBRI0001	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/10/74-12/17/74	0	2	
OBRI0002	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/10/74-12/10/74	0	1	
OBRI0003	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/10/74-12/17/74	0	2	
OBRI0004	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/96-11/18/98	2	12	
OBRI0005	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/66-08/18/81	15	13	
OBRI0007	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/27/67-04/22/68	0	10	
OBRI0008	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/22/82-10/11/88	5	18	
OBRI0009	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/75-09/13/76	1	15	
OBRI0010	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/23/67-12/13/76	9	14	
OBRI0012	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/27/67-04/22/68	0	8	
OBRI0013	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/24/79-08/18/81	2	9	
OBRI0015	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/22/65-09/08/76	11	20	
OBRI0017	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/23/67-12/08/76	9	17	
OBRI0019	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/23/76-08/19/81	5	7	
OBRI0020	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/13/98-12/01/98	0	3	
OBRI0022	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/80-08/03/80	0	1	
OBRI0023	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	0	5	
OBRI0024	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	14	91	T
OBRI0027	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	0	5	
OBRI0028	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/15/79-10/15/79	0	1	
OBRI0029	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/80-08/03/80	0	1	
OBRI0032	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/27/67-02/14/68	0	9	
OBRI0033	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	14	108	T
OBRI0034	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/15/79-10/15/79	0	1	
OBRI0035	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	14	110	T
OBRI0037	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	0	5	
OBRI0039	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/80-08/03/80	0	1	
OBRI0040	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/15/79-10/15/79	0	1	
OBRI0041	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/23/79-08/18/81	2	6	
OBRI0043	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/13/98-12/01/98	0	3	
OBRI0044	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/80-08/03/80	0	1	
OBRI0046	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/27/66-05/23/68	1	4	
OBRI0047	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/15/79-10/15/79	0	1	
OBRI0048	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	14	104	T
OBRI0049	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	0	5	
OBRI0050	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/22/65-10/06/65	0	2	
OBRI0051	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/23/67-04/01/96	28	14	
OBRI0053	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/22/80-06/22/80	0	1	
OBRI0054	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/17/96-11/24/98	2	12	
OBRI0055	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	0	6	
OBRI0058	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/28/67-04/23/68	0	10	
OBRI0059	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/79-08/19/81	2	10	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0060	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/80-08/03/80	0	1	
OBRI0062	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-06/05/91	8	54	
OBRI0064	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	0	5	
OBRI0066	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/98-11/24/98	0	3	
OBRI0069	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/28/67-04/23/68	0	8	
OBRI0070	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	0	5	
OBRI0071	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	14	108	T
OBRI0073	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/02/80-03/02/80	0	1	
OBRI0075	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	14	105	T
OBRI0077	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	0	5	
OBRI0078	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	14	103	T
OBRI0079	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/22/80-06/22/80	0	1	
OBRI0082	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/24/79-08/19/81	2	4	
OBRI0083	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/80-07/31/80	0	1	
OBRI0084	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/28/65-08/18/81	15	10	
OBRI0085	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/25/67-04/23/68	0	10	
OBRI0086	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/28/80-05/28/80	0	1	
OBRI0087	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/28/80-05/28/80	0	1	
OBRI0088	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	14	107	T
OBRI0090	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	0	5	
OBRI0092	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/07/82-04/12/90	7	48	
OBRI0094	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/21/80-06/21/80	0	1	
OBRI0098	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	0	5	
OBRI0099	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/29/79-03/29/79	0	1	
OBRI0100	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/28/67-04/23/68	0	8	
OBRI0101	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/17/97-03/17/97	0	1	
OBRI0103	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/25/67-04/23/68	0	10	
OBRI0104	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	14	106	T
OBRI0105	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	0	5	
OBRI0106	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/23/67-03/17/76	8	14	
OBRI0107	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/05/73-09/04/74	0	12	
OBRI0114	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/01/80-10/01/80	0	1	
OBRI0115	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/23/67-03/24/69	1	12	
OBRI0116	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/29/79-03/29/79	0	1	
OBRI0123	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/14/75-09/08/76	0	14	
OBRI0124	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/06/76-12/08/76	0	3	
OBRI0125	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/29/79-03/29/79	0	1	
OBRI0128	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/23/67-04/23/68	0	11	
OBRI0129	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/29/79-03/29/79	0	1	
OBRI0130	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/29/79-03/29/79	0	1	
OBRI0131	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/29/79-03/29/79	0	1	
OBRI0135	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/16/67-04/23/68	0	5	
OBRI0007	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/27/67-04/22/68	0	10	
OBRI0011	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/23/67-12/13/76	9	29	
OBRI0012	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/27/67-04/22/68	0	8	
OBRI0016	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/23/67-12/08/76	9	30	
OBRI0032	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/27/67-04/22/68	0	10	
OBRI0051	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/23/67-04/23/68	0	13	
OBRI0058	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/28/67-04/23/68	0	10	
OBRI0069	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/28/67-04/23/68	0	8	
OBRI0085	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/25/67-04/23/68	0	10	
OBRI0100	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/28/67-04/23/68	0	8	
OBRI0103	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/25/67-04/23/68	0	10	
OBRI0106	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/23/67-03/17/76	8	25	
OBRI0115	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/23/67-03/24/69	1	12	
OBRI0122	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	10/14/75-12/08/76	1	15	
OBRI0128	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/23/67-04/23/68	0	11	
OBRI0135	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	10/16/67-04/23/68	0	5	
OBRI0006	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	12/07/73-11/07/74	0	12	
OBRI0014	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	12/07/73-11/07/74	0	12	
OBRI0018	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	12/07/73-11/07/74	0	12	
OBRI0025	Yes	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	06/26/79-06/26/79	0	1	
OBRI0026	Yes	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	06/26/79-06/26/79	0	1	
OBRI0030	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	06/26/79-06/26/79	0	1	
OBRI0031	Yes	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	06/26/79-06/26/79	0	1	
OBRI0036	Yes	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	06/26/79-06/26/79	0	1	
OBRI0038	Yes	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	06/26/79-06/26/79	0	1	
OBRI0045	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	06/26/79-06/26/79	0	1	
OBRI0056	Yes	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	12/07/73-11/07/74	0	12	
OBRI0068	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	06/26/79-06/26/79	0	1	
OBRI0093	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	12/07/73-11/07/74	0	12	
OBRI0108	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	12/07/73-11/07/74	0	12	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0006	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	0	12	
OBRI0013	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	03/21/80-05/06/81	1	3	
OBRI0014	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	0	12	
OBRI0018	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	0	12	
OBRI0023	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/03/80-09/30/80	0	3	
OBRI0027	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/03/80-09/30/80	0	3	
OBRI0037	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/03/80-09/30/80	0	3	
OBRI0049	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/03/80-09/30/80	0	2	
OBRI0051	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	04/01/96-04/01/96	0	1	
OBRI0053	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/22/80-06/22/80	0	1	
OBRI0055	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/03/80-09/30/80	0	4	
OBRI0056	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	0	12	
OBRI0059	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/14/81-02/14/81	0	1	
OBRI0064	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/03/80-09/30/80	0	3	
OBRI0070	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/03/80-09/30/80	0	3	
OBRI0077	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/03/80-09/30/80	0	3	
OBRI0079	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/22/80-06/22/80	0	1	
OBRI0086	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/28/80-05/28/80	0	1	
OBRI0087	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/28/80-05/28/80	0	1	
OBRI0090	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/03/80-09/30/80	0	3	
OBRI0093	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	0	12	
OBRI0094	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/21/80-06/21/80	0	1	
OBRI0098	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/03/80-09/30/80	0	3	
OBRI0105	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/03/80-09/30/80	0	3	
OBRI0108	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	0	12	
OBRI0114	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/01/80-10/01/80	0	1	
OBRI0008	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	11/22/82-10/11/88	5	17	
OBRI0028	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	10/15/79-10/15/79	0	1	
OBRI0034	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	10/15/79-10/15/79	0	1	
OBRI0040	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	10/15/79-10/15/79	0	1	
OBRI0047	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	10/15/79-10/15/79	0	1	
OBRI0001	No	00440	BICARBONATE ION (MG/L AS HCO3)	12/10/74-12/17/74	0	2	
OBRI0002	No	00440	BICARBONATE ION (MG/L AS HCO3)	12/10/74-12/10/74	0	1	
OBRI0003	No	00440	BICARBONATE ION (MG/L AS HCO3)	12/10/74-12/17/74	0	2	
OBRI0005	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/07/65-07/29/68	2	19	
OBRI0015	No	00440	BICARBONATE ION (MG/L AS HCO3)	05/22/65-07/29/68	3	19	
OBRI0042	No	00440	BICARBONATE ION (MG/L AS HCO3)	05/23/65-05/23/65	0	1	
OBRI0046	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	02/02/65-05/23/68	3	20	
OBRI0050	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	05/22/65-10/06/65	0	2	
OBRI0059	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	09/06/66-06/21/67	0	4	
OBRI0063	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/06/65-10/06/65	0	1	
OBRI0081	No	00440	BICARBONATE ION (MG/L AS HCO3)	05/22/65-05/22/65	0	1	
OBRI0084	No	00440	BICARBONATE ION (MG/L AS HCO3)	05/22/65-09/28/65	0	2	
OBRI0089	No	00440	BICARBONATE ION (MG/L AS HCO3)	05/01/86-05/01/86	0	1	
OBRI0109	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/28/86-04/28/86	0	1	
OBRI0111	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/28/86-04/28/86	0	1	
OBRI0023	Yes	00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	11/16/79-09/30/80	0	5	
OBRI0027	Yes	00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	11/16/79-09/30/80	0	5	
OBRI0037	Yes	00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	11/16/79-09/30/80	0	5	
OBRI0044	No	00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	08/03/80-08/03/80	0	1	
OBRI0049	Yes	00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	11/16/79-09/30/80	0	5	
OBRI0053	No	00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	06/22/80-06/22/80	0	1	
OBRI0055	Yes	00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	11/16/79-09/30/80	0	6	
OBRI0064	Yes	00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	11/16/79-09/30/80	0	4	
OBRI0070	No	00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	11/16/79-09/30/80	0	5	
OBRI0073	No	00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	03/02/80-03/02/80	0	1	
OBRI0077	Yes	00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	11/16/79-09/30/80	0	5	
OBRI0079	Yes	00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	06/22/80-06/22/80	0	1	
OBRI0083	No	00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	07/31/80-07/31/80	0	1	
OBRI0086	No	00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	05/28/80-05/28/80	0	1	
OBRI0087	No	00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	05/28/80-05/28/80	0	1	
OBRI0090	Yes	00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	11/16/79-09/30/80	0	5	
OBRI0094	No	00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	06/21/80-06/21/80	0	1	
OBRI0098	Yes	00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	11/16/79-09/30/80	0	5	
OBRI0105	No	00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	02/29/80-09/30/80	0	4	
OBRI0114	No	00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	10/01/80-10/01/80	0	1	
OBRI0005	No	00445	CARBONATE ION (MG/L AS CO3)	10/07/65-10/07/65	0	1	
OBRI0015	No	00445	CARBONATE ION (MG/L AS CO3)	05/22/65-05/22/65	0	1	
OBRI0042	No	00445	CARBONATE ION (MG/L AS CO3)	05/23/65-05/23/65	0	1	
OBRI0046	Yes	00445	CARBONATE ION (MG/L AS CO3)	02/02/65-10/07/65	0	3	
OBRI0050	Yes	00445	CARBONATE ION (MG/L AS CO3)	05/22/65-10/06/65	0	2	
OBRI0063	No	00445	CARBONATE ION (MG/L AS CO3)	10/06/65-10/06/65	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0081	No	00445	CARBONATE ION (MG/L AS CO3)	05/22/65-05/22/65	0	1	
OBRI0084	No	00445	CARBONATE ION (MG/L AS CO3)	05/22/65-09/28/65	0	2	
OBRI0052	Yes	00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	03/13/97-03/25/97	0	2	
OBRI0021	No	00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	06/26/96-06/26/96	0	1	
OBRI0052	Yes	00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	03/13/97-03/25/97	0	2	
OBRI0072	No	00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	07/25/96-07/25/96	0	1	
OBRI0007	No	00500	RESIDUE, TOTAL (MG/L)	10/17/67-04/22/68	0	5	
OBRI0008	No	00500	RESIDUE, TOTAL (MG/L)	11/22/82-10/11/88	5	19	
OBRI0011	No	00500	RESIDUE, TOTAL (MG/L)	06/23/67-02/14/68	0	7	
OBRI0012	No	00500	RESIDUE, TOTAL (MG/L)	10/17/67-04/22/68	0	5	
OBRI0016	No	00500	RESIDUE, TOTAL (MG/L)	06/23/67-04/22/68	0	9	
OBRI0028	No	00500	RESIDUE, TOTAL (MG/L)	10/15/79-10/15/79	0	1	
OBRI0032	Yes	00500	RESIDUE, TOTAL (MG/L)	09/27/67-04/22/68	0	6	
OBRI0034	No	00500	RESIDUE, TOTAL (MG/L)	10/15/79-10/15/79	0	1	
OBRI0047	No	00500	RESIDUE, TOTAL (MG/L)	10/15/79-10/15/79	0	1	
OBRI0051	Yes	00500	RESIDUE, TOTAL (MG/L)	06/23/67-02/14/68	0	6	
OBRI0058	Yes	00500	RESIDUE, TOTAL (MG/L)	02/14/68-02/14/68	0	1	
OBRI0069	No	00500	RESIDUE, TOTAL (MG/L)	09/28/67-04/23/68	0	6	
OBRI0085	No	00500	RESIDUE, TOTAL (MG/L)	07/25/67-04/23/68	0	7	
OBRI0099	Yes	00500	RESIDUE, TOTAL (MG/L)	03/29/79-03/29/79	0	1	
OBRI0100	Yes	00500	RESIDUE, TOTAL (MG/L)	09/28/67-04/23/68	0	6	
OBRI0103	No	00500	RESIDUE, TOTAL (MG/L)	06/23/67-02/12/68	0	7	
OBRI0106	No	00500	RESIDUE, TOTAL (MG/L)	06/23/67-04/23/68	0	8	
OBRI0113	No	00500	RESIDUE, TOTAL (MG/L)	09/28/67-11/09/67	0	3	
OBRI0115	No	00500	RESIDUE, TOTAL (MG/L)	07/25/67-03/24/69	1	8	
OBRI0116	No	00500	RESIDUE, TOTAL (MG/L)	03/29/79-03/29/79	0	1	
OBRI0118	No	00500	RESIDUE, TOTAL (MG/L)	06/23/67-11/07/67	0	6	
OBRI0120	No	00500	RESIDUE, TOTAL (MG/L)	12/21/82-03/15/88	5	14	
OBRI0121	No	00500	RESIDUE, TOTAL (MG/L)	06/23/67-11/07/67	0	6	
OBRI0125	No	00500	RESIDUE, TOTAL (MG/L)	03/29/79-03/29/79	0	1	
OBRI0128	No	00500	RESIDUE, TOTAL (MG/L)	07/25/67-02/12/68	0	7	
OBRI0129	No	00500	RESIDUE, TOTAL (MG/L)	03/29/79-03/29/79	0	1	
OBRI0130	No	00500	RESIDUE, TOTAL (MG/L)	03/29/79-03/29/79	0	1	
OBRI0133	No	00500	RESIDUE, TOTAL (MG/L)	06/23/67-11/07/67	0	6	
OBRI0134	No	00500	RESIDUE, TOTAL (MG/L)	06/23/67-11/07/67	0	6	
OBRI0135	No	00500	RESIDUE, TOTAL (MG/L)	09/28/67-02/12/68	0	6	
OBRI0004	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/29/96-11/18/98	2	12	
OBRI0007	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/17/67-04/22/68	0	5	
OBRI0008	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/22/82-10/11/88	5	17	
OBRI0011	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/23/67-02/14/68	0	7	
OBRI0012	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/17/67-04/22/68	0	5	
OBRI0016	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/23/67-04/22/68	0	9	
OBRI0020	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/13/98-12/01/98	0	3	
OBRI0028	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/15/79-10/15/79	0	1	
OBRI0032	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/27/67-04/22/68	0	6	
OBRI0034	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/15/79-10/15/79	0	1	
OBRI0040	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/15/79-10/15/79	0	1	
OBRI0043	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/13/98-12/01/98	0	3	
OBRI0047	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/15/79-10/15/79	0	1	
OBRI0051	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/23/67-02/14/68	0	6	
OBRI0054	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/17/96-11/24/98	2	12	
OBRI0058	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	02/14/68-02/14/68	0	1	
OBRI0066	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/21/96-11/24/98	2	11	
OBRI0067	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/21/96-12/04/97	1	9	
OBRI0069	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/28/67-04/23/68	0	6	
OBRI0080	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/20/96-12/03/97	1	9	
OBRI0085	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/67-04/23/68	0	7	
OBRI0096	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/21/96-12/04/97	1	9	
OBRI0099	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/29/79-03/29/79	0	1	
OBRI0100	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/28/67-04/23/68	0	6	
OBRI0103	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/23/67-02/12/68	0	7	
OBRI0106	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/23/67-04/23/68	0	8	
OBRI0113	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/28/67-11/09/67	0	3	
OBRI0115	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/67-03/24/69	1	8	
OBRI0116	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/29/79-03/29/79	0	1	
OBRI0118	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/23/67-11/07/67	0	6	
OBRI0120	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/21/82-12/14/88	5	15	
OBRI0121	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/23/67-11/07/67	0	6	
OBRI0125	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/29/79-03/29/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0128	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/67-02/12/68	0	7	
OBRI0129	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/29/79-03/29/79	0	1	
OBRI0130	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/29/79-03/29/79	0	1	
OBRI0133	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/23/67-11/07/67	0	6	
OBRI0134	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/23/67-11/07/67	0	6	
OBRI0135	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/28/67-02/12/68	0	6	
OBRI0004	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/96-11/18/98	2	12	
OBRI0008	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/22/82-10/11/88	5	19	
OBRI0009	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/75-09/13/76	1	14	
OBRI0011	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/18/76-12/13/76	0	3	
OBRI0015	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/11/75-09/08/76	1	12	
OBRI0016	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/11/76-12/08/76	0	4	
OBRI0020	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/13/98-12/01/98	0	3	
OBRI0028	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/15/79-10/15/79	0	1	
OBRI0034	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/15/79-10/15/79	0	1	
OBRI0040	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/15/79-10/15/79	0	1	
OBRI0043	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/13/98-12/01/98	0	3	
OBRI0047	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/15/79-10/15/79	0	1	
OBRI0051	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/01/96-04/01/96	0	1	
OBRI0054	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/17/96-11/24/98	2	12	
OBRI0066	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/21/96-11/24/98	2	11	
OBRI0067	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/21/96-12/04/97	1	9	
OBRI0080	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/96-12/03/97	1	9	
OBRI0096	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/21/96-12/04/97	1	9	
OBRI0099	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/29/79-03/29/79	0	1	
OBRI0106	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/10/76-03/17/76	0	2	
OBRI0107	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/05/73-09/04/74	0	12	
OBRI0116	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/29/79-03/29/79	0	1	
OBRI0120	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/21/82-12/14/88	5	16	
OBRI0122	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/06/76-12/08/76	0	3	
OBRI0123	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/14/75-09/08/76	0	13	
OBRI0125	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/29/79-03/29/79	0	1	
OBRI0129	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/29/79-03/29/79	0	1	
OBRI0130	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/29/79-03/29/79	0	1	
OBRI0007	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/27/67-04/22/68	0	6	
OBRI0009	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/21/75-09/13/76	1	14	
OBRI0010	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/67-12/13/76	9	11	
OBRI0012	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/27/67-04/22/68	0	6	
OBRI0015	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/11/75-09/08/76	1	12	
OBRI0017	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/67-12/08/76	9	13	
OBRI0032	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/27/67-11/02/71	4	10	
OBRI0051	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/67-04/01/96	28	10	
OBRI0058	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/28/67-11/02/71	4	11	
OBRI0069	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/28/67-04/23/68	0	6	
OBRI0085	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/67-11/02/71	4	14	
OBRI0100	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/28/67-04/23/68	0	6	
OBRI0103	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/67-11/02/71	4	14	
OBRI0106	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/67-03/17/76	8	16	
OBRI0107	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/05/73-09/04/74	0	12	
OBRI0112	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/06/71-11/02/71	0	5	
OBRI0113	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/28/67-11/09/67	0	3	
OBRI0115	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/67-11/02/71	4	16	
OBRI0123	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/14/75-09/08/76	0	13	
OBRI0124	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/01/71-12/08/76	5	9	
OBRI0128	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/67-11/02/71	4	15	
OBRI0135	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/28/67-11/02/71	4	12	
OBRI0021	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/26/96-06/26/96	0	1	
OBRI0052	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	03/13/97-03/13/97	0	1	
OBRI0072	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/22/96-07/22/96	0	1	
OBRI0091	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/25/96-07/25/96	0	1	
OBRI0004	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/96-11/18/98	2	13	
OBRI0007	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/27/67-04/22/68	0	6	
OBRI0008	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/05/83-10/11/88	5	17	
OBRI0009	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/21/75-09/13/76	1	14	
OBRI0011	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/67-12/13/76	9	11	
OBRI0012	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/27/67-04/22/68	0	6	
OBRI0015	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/11/75-09/08/76	1	12	
OBRI0016	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/67-12/08/76	9	13	
OBRI0020	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/13/98-12/01/98	0	3	
OBRI0032	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/27/67-11/02/71	4	10	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0043	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/13/98-12/01/98	0	3	
OBRI0051	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/67-04/01/96	28	10	
OBRI0054	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/17/96-11/24/98	2	13	
OBRI0058	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/28/67-11/02/71	4	11	
OBRI0066	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/96-11/24/98	2	11	
OBRI0067	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/96-12/04/97	1	9	
OBRI0069	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/28/67-04/23/68	0	6	
OBRI0080	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/96-12/03/97	1	9	
OBRI0085	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/67-11/02/71	4	14	
OBRI0096	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/96-12/04/97	1	9	
OBRI0099	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/29/79-03/29/79	0	1	
OBRI0100	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/28/67-04/23/68	0	6	
OBRI0103	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/67-11/02/71	4	14	
OBRI0106	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/67-03/17/76	8	16	
OBRI0107	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/05/73-09/04/74	0	12	
OBRI0110	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/05/91-12/11/91	0	4	
OBRI0112	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/06/71-11/02/71	0	5	
OBRI0113	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/28/67-11/09/67	0	3	
OBRI0115	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/67-11/02/71	4	16	
OBRI0116	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/29/79-03/29/79	0	1	
OBRI0120	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/21/82-12/14/88	5	15	
OBRI0122	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/01/71-12/08/76	5	9	
OBRI0123	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/14/75-09/08/76	0	13	
OBRI0125	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/29/79-03/29/79	0	1	
OBRI0128	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/67-11/02/71	4	15	
OBRI0129	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/29/79-03/29/79	0	1	
OBRI0130	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/29/79-03/29/79	0	1	
OBRI0135	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/28/67-11/02/71	4	12	
OBRI0024	Yes	00612	AMMONIA, UNIONZED (MG/L AS N)	11/01/95-05/19/97	1	13	
OBRI0033	Yes	00612	AMMONIA, UNIONZED (MG/L AS N)	11/01/95-05/19/97	1	12	
OBRI0035	Yes	00612	AMMONIA, UNIONZED (MG/L AS N)	11/01/95-05/19/97	1	12	
OBRI0048	Yes	00612	AMMONIA, UNIONZED (MG/L AS N)	10/17/95-05/19/97	1	12	
OBRI0071	No	00612	AMMONIA, UNIONZED (MG/L AS N)	11/01/95-05/19/97	1	13	
OBRI0075	Yes	00612	AMMONIA, UNIONZED (MG/L AS N)	10/17/95-05/19/97	1	12	
OBRI0078	Yes	00612	AMMONIA, UNIONZED (MG/L AS N)	10/17/95-05/19/97	1	10	
OBRI0088	No	00612	AMMONIA, UNIONZED (MG/L AS N)	11/01/95-05/19/97	1	13	
OBRI0101	Yes	00612	AMMONIA, UNIONZED (MG/L AS N)	03/17/97-03/17/97	0	1	
OBRI0104	No	00612	AMMONIA, UNIONZED (MG/L AS N)	10/17/95-05/19/97	1	11	
OBRI0021	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	06/26/96-06/26/96	0	1	
OBRI0052	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	03/13/97-03/13/97	0	1	
OBRI0072	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/22/96-07/22/96	0	1	
OBRI0091	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/25/96-07/25/96	0	1	
OBRI0007	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/27/67-04/22/68	0	6	
OBRI0011	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/23/67-04/22/68	0	9	
OBRI0012	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/27/67-04/22/68	0	6	
OBRI0016	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/23/67-04/22/68	0	9	
OBRI0032	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/27/67-11/02/71	4	11	
OBRI0051	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/23/67-04/23/68	0	9	
OBRI0058	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/28/67-11/02/71	4	11	
OBRI0069	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/28/67-04/23/68	0	6	
OBRI0085	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/23/67-11/02/71	4	14	
OBRI0100	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/28/67-04/23/68	0	6	
OBRI0103	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/23/67-11/02/71	4	14	
OBRI0106	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/23/67-11/02/71	4	14	
OBRI0112	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/06/71-11/02/71	0	5	
OBRI0113	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/28/67-11/09/67	0	3	
OBRI0115	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/23/67-11/02/71	4	16	
OBRI0122	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/01/71-11/02/71	0	6	
OBRI0128	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/23/67-11/02/71	4	15	
OBRI0135	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/28/67-11/02/71	4	12	
OBRI0050	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/22/65-10/06/65	0	2	
OBRI0007	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/27/67-04/22/68	0	6	
OBRI0011	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/23/67-04/22/68	0	9	
OBRI0012	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/27/67-04/22/68	0	6	
OBRI0016	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/23/67-04/22/68	0	9	
OBRI0032	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/27/67-11/02/71	4	11	
OBRI0051	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/23/67-04/23/68	0	9	
OBRI0058	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/28/67-11/02/71	4	11	
OBRI0069	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/28/67-04/23/68	0	6	
OBRI0085	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/23/67-11/02/71	4	14	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0100	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/28/67-04/23/68	0	6	
OBRI0103	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/23/67-11/02/71	4	14	
OBRI0106	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/23/67-11/02/71	4	14	
OBRI0112	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/06/71-11/02/71	0	5	
OBRI0113	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/28/67-11/09/67	0	3	
OBRI0115	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/23/67-11/02/71	4	16	
OBRI0122	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/01/71-11/02/71	0	6	
OBRI0128	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/23/67-11/02/71	4	15	
OBRI0135	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/28/67-11/02/71	4	12	
OBRI0021	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/26/96-06/26/96	0	1	
OBRI0052	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	03/13/97-03/13/97	0	1	
OBRI0072	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/22/96-07/22/96	0	1	
OBRI0091	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/25/96-07/25/96	0	1	
OBRI0021	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/26/96-06/26/96	0	1	
OBRI0023	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/79-06/07/80	0	4	
OBRI0027	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/79-06/07/80	0	4	
OBRI0037	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/79-06/07/80	0	4	
OBRI0044	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/03/80-08/03/80	0	1	
OBRI0049	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/79-06/07/80	0	4	
OBRI0052	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/97-03/13/97	0	1	
OBRI0053	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/22/80-06/22/80	0	1	
OBRI0055	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/79-06/21/80	0	5	
OBRI0057	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/17/96-11/19/97	1	8	
OBRI0064	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/79-05/03/80	0	3	
OBRI0067	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/21/96-12/04/97	1	9	
OBRI0070	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/79-06/07/80	0	4	
OBRI0072	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/96-07/24/96	0	1	
OBRI0073	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/02/80-03/02/80	0	1	
OBRI0076	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/96-07/22/96	0	1	
OBRI0077	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/79-06/21/80	0	4	
OBRI0079	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/22/80-06/22/80	0	1	
OBRI0080	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/96-12/03/97	1	9	
OBRI0083	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/31/80-07/31/80	0	1	
OBRI0086	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/28/80-05/28/80	0	1	
OBRI0087	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/28/80-05/28/80	0	1	
OBRI0090	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/79-06/21/80	0	4	
OBRI0091	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/23/96-07/23/96	0	1	
OBRI0094	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/21/80-06/21/80	0	1	
OBRI0095	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/29/79-03/29/79	0	1	
OBRI0096	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/21/96-12/04/97	1	9	
OBRI0097	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/25/96-07/25/96	0	1	
OBRI0098	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/79-06/07/80	0	4	
OBRI0105	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/29/80-06/07/80	0	3	
OBRI0114	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/01/80-10/01/80	0	1	
OBRI0117	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/29/79-03/29/79	0	1	
OBRI0119	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/29/79-03/29/79	0	1	
OBRI0127	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/29/79-03/29/79	0	1	
OBRI0131	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/29/79-03/29/79	0	1	
OBRI0132	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/29/79-03/29/79	0	1	
OBRI0004	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/29/96-11/18/98	2	13	
OBRI0005	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/18/81-08/18/81	0	1	
OBRI0008	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/22/82-10/11/88	5	18	
OBRI0009	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/21/75-09/13/76	1	14	
OBRI0010	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/18/76-12/13/76	0	2	
OBRI0013	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/18/81-08/18/81	0	1	
OBRI0015	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/11/75-09/08/76	1	12	
OBRI0017	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/11/76-12/08/76	0	4	
OBRI0019	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/19/81-08/19/81	0	1	
OBRI0020	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/13/98-12/01/98	0	3	
OBRI0041	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/18/81-08/18/81	0	1	
OBRI0043	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/13/98-12/01/98	0	3	
OBRI0051	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/01/96-04/01/96	0	1	
OBRI0054	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/17/96-11/24/98	2	13	
OBRI0059	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/19/81-08/19/81	0	1	
OBRI0066	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/96-11/24/98	2	11	
OBRI0067	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/96-12/04/97	1	9	
OBRI0080	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/20/96-12/03/97	1	9	
OBRI0082	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/19/81-08/19/81	0	1	
OBRI0084	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/18/81-08/18/81	0	1	
OBRI0096	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/96-12/04/97	1	9	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0099	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/29/79-03/29/79	0	1	
OBRI0106	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/10/76-03/17/76	0	2	
OBRI0107	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/05/73-09/04/74	0	12	
OBRI0110	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/19/91-12/11/91	0	6	
OBRI0116	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/29/79-03/29/79	0	1	
OBRI0120	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/21/82-12/14/88	5	16	
OBRI0123	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/14/75-09/08/76	0	13	
OBRI0124	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/06/76-12/08/76	0	3	
OBRI0125	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/29/79-03/29/79	0	1	
OBRI0129	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/29/79-03/29/79	0	1	
OBRI0130	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/29/79-03/29/79	0	1	
OBRI0021	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/26/96-06/26/96	0	1	
OBRI0052	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/13/97-03/13/97	0	1	
OBRI0072	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/22/96-07/22/96	0	1	
OBRI0091	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/25/96-07/25/96	0	1	
OBRI0004	No	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	04/29/96-11/18/98	2	13	
OBRI0008	No	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	11/30/83-10/11/88	4	16	
OBRI0020	No	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	05/13/98-12/01/98	0	3	
OBRI0043	No	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	05/13/98-12/01/98	0	3	
OBRI0054	Yes	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	04/17/96-08/18/98	2	12	
OBRI0066	No	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	08/21/96-08/18/98	1	10	
OBRI0099	Yes	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	03/29/79-03/29/79	0	1	
OBRI0110	No	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	06/19/91-12/11/91	0	6	
OBRI0116	No	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	03/29/79-03/29/79	0	1	
OBRI0120	No	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	12/21/82-12/14/88	5	16	
OBRI0125	No	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	03/29/79-03/29/79	0	1	
OBRI0129	No	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	03/29/79-03/29/79	0	1	
OBRI0130	No	00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	03/29/79-03/29/79	0	1	
OBRI0023	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/16/79-09/30/80	0	5	
OBRI0027	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/16/79-09/30/80	0	5	
OBRI0037	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/16/79-09/30/80	0	5	
OBRI0042	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/23/65-05/23/65	0	1	
OBRI0044	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/03/80-08/03/80	0	1	
OBRI0046	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/29/66-11/29/66	0	1	
OBRI0049	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/16/79-09/30/80	0	5	
OBRI0053	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/22/80-06/22/80	0	1	
OBRI0055	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/16/79-09/30/80	0	6	
OBRI0064	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/16/79-09/30/80	0	4	
OBRI0070	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/16/79-09/30/80	0	5	
OBRI0073	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	03/02/80-03/02/80	0	1	
OBRI0077	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/16/79-09/30/80	0	5	
OBRI0079	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/22/80-06/22/80	0	1	
OBRI0081	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/22/65-05/22/65	0	1	
OBRI0083	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/31/80-07/31/80	0	1	
OBRI0084	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/22/65-09/28/65	0	2	
OBRI0086	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/28/80-05/28/80	0	1	
OBRI0087	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/28/80-05/28/80	0	1	
OBRI0090	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/16/79-09/30/80	0	5	
OBRI0094	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/21/80-06/21/80	0	1	
OBRI0098	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/16/79-09/30/80	0	5	
OBRI0105	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/16/79-09/30/80	0	5	
OBRI0107	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/05/73-12/10/73	0	2	
OBRI0114	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	10/01/80-10/01/80	0	1	
OBRI0005	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	05/23/65-10/07/65	0	2	
OBRI0015	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	05/22/65-05/22/65	0	1	
OBRI0046	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	05/23/65-10/07/65	0	2	
OBRI0050	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	05/22/65-10/06/65	0	2	
OBRI0063	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	05/22/65-10/06/65	0	2	
OBRI0004	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/96-11/18/98	2	13	
OBRI0005	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/18/81-08/18/81	0	1	
OBRI0007	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/27/67-04/22/68	0	6	
OBRI0008	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/22/82-10/11/88	5	18	
OBRI0009	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/21/75-09/13/76	1	14	
OBRI0010	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/67-12/13/76	9	11	
OBRI0012	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/27/67-04/22/68	0	6	
OBRI0013	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/18/81-08/18/81	0	1	
OBRI0015	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/11/75-09/08/76	1	12	
OBRI0017	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/67-12/08/76	9	13	
OBRI0019	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/81-08/19/81	0	1	
OBRI0020	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/13/98-12/01/98	0	3	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0021	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/26/96-06/26/96	0	1	
OBRI0023	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/80-06/08/80	0	1	
OBRI0032	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/27/67-11/02/71	4	10	
OBRI0037	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/80-06/08/80	0	1	
OBRI0041	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/18/81-08/18/81	0	1	
OBRI0043	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/13/98-12/01/98	0	3	
OBRI0049	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/80-06/08/80	0	1	
OBRI0051	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/67-04/01/96	28	10	
OBRI0052	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/97-03/13/97	0	1	
OBRI0054	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/96-08/18/98	2	12	
OBRI0055	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/80-06/08/80	0	1	
OBRI0058	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/28/67-11/02/71	4	11	
OBRI0059	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/81-08/19/81	0	1	
OBRI0064	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/80-06/08/80	0	1	
OBRI0066	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/21/96-08/18/98	1	10	
OBRI0067	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/21/96-12/04/97	1	9	
OBRI0069	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/28/67-04/23/68	0	6	
OBRI0070	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/80-06/08/80	0	1	
OBRI0072	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/22/96-07/22/96	0	1	
OBRI0077	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/80-06/08/80	0	1	
OBRI0080	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/96-12/03/97	1	9	
OBRI0082	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/81-08/19/81	0	1	
OBRI0084	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/18/81-08/18/81	0	1	
OBRI0085	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/67-11/02/71	4	14	
OBRI0090	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/80-06/08/80	0	1	
OBRI0091	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/23/96-07/23/96	0	1	
OBRI0096	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/21/96-12/04/97	1	9	
OBRI0097	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/96-07/25/96	0	1	
OBRI0098	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/80-06/08/80	0	1	
OBRI0099	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/29/79-03/29/79	0	1	
OBRI0100	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/28/67-04/23/68	0	6	
OBRI0103	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/67-11/02/71	4	14	
OBRI0105	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/80-06/08/80	0	1	
OBRI0106	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/67-03/17/76	8	18	
OBRI0107	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/15/74-09/04/74	0	10	
OBRI0110	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/91-12/11/91	0	6	
OBRI0112	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/06/71-11/02/71	0	5	
OBRI0113	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/28/67-11/09/67	0	3	
OBRI0115	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/67-11/02/71	4	16	
OBRI0116	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/29/79-03/29/79	0	1	
OBRI0120	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/21/82-12/14/88	5	15	
OBRI0122	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/02/71-11/02/71	0	4	
OBRI0123	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/14/75-09/08/76	0	13	
OBRI0124	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/01/71-12/08/76	5	9	
OBRI0125	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/29/79-03/29/79	0	1	
OBRI0128	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/67-11/02/71	4	15	
OBRI0129	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/29/79-03/29/79	0	1	
OBRI0130	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/29/79-03/29/79	0	1	
OBRI0135	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/28/67-11/02/71	4	11	
OBRI0007	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/27/67-04/22/68	0	6	
OBRI0009	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	01/21/75-09/13/76	1	14	
OBRI0011	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/67-12/13/76	9	12	
OBRI0012	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/27/67-04/22/68	0	6	
OBRI0015	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/11/75-09/08/76	1	12	
OBRI0016	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/67-12/08/76	9	13	
OBRI0021	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/26/96-06/26/96	0	1	
OBRI0032	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/27/67-02/14/68	0	5	
OBRI0051	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/67-02/14/68	0	8	
OBRI0052	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/13/97-03/13/97	0	1	
OBRI0058	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/28/67-04/23/68	0	5	
OBRI0069	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/28/67-12/04/67	0	4	
OBRI0072	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/22/96-07/22/96	0	1	
OBRI0085	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/67-04/23/68	0	9	
OBRI0089	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/01/86-05/01/86	0	1	
OBRI0091	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/25/96-07/25/96	0	1	
OBRI0100	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/28/67-04/23/68	0	6	
OBRI0103	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/67-04/23/68	0	8	
OBRI0106	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/67-03/17/76	8	11	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0109	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/28/86-04/28/86	0	1	
OBRI0111	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/28/86-04/28/86	0	1	
OBRI0113	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/28/67-11/09/67	0	2	
OBRI0115	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/67-03/24/69	1	10	
OBRI0122	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/06/76-12/08/76	0	3	
OBRI0123	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/14/75-09/08/76	0	12	
OBRI0128	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/67-04/23/68	0	9	
OBRI0135	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/28/67-02/12/68	0	6	
OBRI0023	Yes	00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	02/29/80-09/30/80	0	3	
OBRI0027	Yes	00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	02/29/80-09/30/80	0	3	
OBRI0037	Yes	00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	02/29/80-09/30/80	0	3	
OBRI0044	No	00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	08/03/80-08/03/80	0	1	
OBRI0049	Yes	00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	02/29/80-09/30/80	0	3	
OBRI0053	No	00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	06/22/80-06/22/80	0	1	
OBRI0055	Yes	00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	02/29/80-09/30/80	0	4	
OBRI0064	Yes	00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	02/29/80-09/30/80	0	2	
OBRI0070	No	00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	02/29/80-09/30/80	0	3	
OBRI0073	No	00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	03/02/80-03/02/80	0	1	
OBRI0077	Yes	00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	02/29/80-09/30/80	0	3	
OBRI0079	Yes	00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	06/22/80-06/22/80	0	1	
OBRI0083	No	00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	07/31/80-07/31/80	0	1	
OBRI0086	No	00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	05/28/80-05/28/80	0	1	
OBRI0087	No	00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	05/28/80-05/28/80	0	1	
OBRI0090	Yes	00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	02/29/80-09/30/80	0	3	
OBRI0094	No	00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	06/21/80-06/21/80	0	1	
OBRI0098	Yes	00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	02/29/80-09/30/80	0	2	
OBRI0105	No	00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	02/29/80-09/30/80	0	3	
OBRI0114	No	00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	10/01/80-10/01/80	0	1	
OBRI0021	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/26/96-06/26/96	0	1	
OBRI0032	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/71-11/02/71	0	4	
OBRI0052	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/13/97-03/13/97	0	1	
OBRI0058	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/71-11/02/71	0	5	
OBRI0072	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/22/96-07/22/96	0	1	
OBRI0085	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/71-11/02/71	0	5	
OBRI0097	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/96-07/25/96	0	1	
OBRI0103	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/71-11/02/71	0	5	
OBRI0106	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/71-11/02/71	0	5	
OBRI0112	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/71-11/02/71	0	5	
OBRI0115	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/01/71-11/02/71	0	6	
OBRI0122	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/01/71-11/02/71	0	6	
OBRI0128	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/01/71-11/02/71	0	6	
OBRI0135	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/01/71-11/02/71	0	4	
OBRI0015	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/12/75-05/12/76	0	3	
OBRI0017	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/11/76-11/03/76	0	2	
OBRI0099	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/29/79-03/29/79	0	1	
OBRI0116	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/29/79-03/29/79	0	1	
OBRI0125	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/29/79-03/29/79	0	1	
OBRI0129	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/29/79-03/29/79	0	1	
OBRI0130	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/29/79-03/29/79	0	1	
OBRI0021	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	06/26/96-06/26/96	0	1	
OBRI0072	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	07/22/96-07/22/96	0	1	
OBRI0089	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	05/01/86-05/01/86	0	1	
OBRI0091	Yes	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	07/25/96-07/25/96	0	1	
OBRI0109	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/28/86-04/28/86	0	1	
OBRI0111	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/28/86-04/28/86	0	1	
OBRI0021	No	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	06/26/96-06/26/96	0	1	
OBRI0072	No	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	07/22/96-07/22/96	0	1	
OBRI0091	Yes	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	07/25/96-07/25/96	0	1	
OBRI0004	No	00690	CARBON, TOTAL (MG/L AS C)	04/29/96-11/18/98	2	13	
OBRI0020	No	00690	CARBON, TOTAL (MG/L AS C)	05/13/98-08/05/98	0	2	
OBRI0043	No	00690	CARBON, TOTAL (MG/L AS C)	05/13/98-08/05/98	0	2	
OBRI0054	Yes	00690	CARBON, TOTAL (MG/L AS C)	04/17/96-08/18/98	2	12	
OBRI0066	No	00690	CARBON, TOTAL (MG/L AS C)	05/26/98-08/18/98	0	2	
OBRI0089	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	05/01/86-05/01/86	0	1	
OBRI0109	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/28/86-04/28/86	0	1	
OBRI0111	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/28/86-04/28/86	0	1	
OBRI0004	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	04/29/96-04/29/96	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0005	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/18/81-08/18/81	0	1	
OBRI0013	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/18/81-08/18/81	0	1	
OBRI0019	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/19/81-08/19/81	0	1	
OBRI0041	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/18/81-08/18/81	0	1	
OBRI0051	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	04/01/96-04/01/96	0	1	
OBRI0054	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	04/17/96-04/17/96	0	1	
OBRI0059	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/19/81-08/19/81	0	1	
OBRI0082	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/19/81-08/19/81	0	1	
OBRI0084	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/18/81-08/18/81	0	1	
OBRI0113	No	00722	CYANIDE, FREE (AMENABLE TO CHLORINATION) MG/L	09/28/67-09/28/67	0	1	
OBRI0051	Yes	00745	SULFIDE, TOTAL (MG/L AS S)	04/01/96-04/01/96	0	1	
OBRI0004	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/96-11/18/98	2	12	
OBRI0005	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/23/65-08/18/81	16	21	S
OBRI0006	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	0	12	
OBRI0008	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/15/84-10/11/88	4	3	
OBRI0009	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/21/75-09/13/76	1	14	
OBRI0013	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/18/81-08/18/81	0	1	
OBRI0014	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	0	12	
OBRI0015	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/22/65-09/08/76	11	32	
OBRI0018	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	0	12	
OBRI0019	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/81-08/19/81	0	1	
OBRI0020	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/13/98-12/01/98	0	3	
OBRI0022	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/03/80-08/03/80	0	1	
OBRI0023	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	0	5	
OBRI0024	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	14	91	T
OBRI0027	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	0	5	
OBRI0028	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/15/79-10/15/79	0	1	
OBRI0029	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/03/80-08/03/80	0	1	
OBRI0033	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	14	108	T
OBRI0034	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/15/79-10/15/79	0	1	
OBRI0035	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	14	110	T
OBRI0037	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	0	5	
OBRI0039	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/03/80-08/03/80	0	1	
OBRI0040	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/15/79-10/15/79	0	1	
OBRI0041	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/18/81-08/18/81	0	1	
OBRI0042	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/23/65-05/23/65	0	1	
OBRI0043	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/13/98-12/01/98	0	3	
OBRI0044	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/03/80-08/03/80	0	1	
OBRI0046	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/02/65-05/23/68	3	20	
OBRI0047	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/15/79-10/15/79	0	1	
OBRI0048	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	14	104	T
OBRI0049	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	0	5	
OBRI0050	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/22/65-10/06/65	0	2	
OBRI0053	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/22/80-06/22/80	0	1	
OBRI0054	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/96-11/24/98	2	12	
OBRI0055	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	0	6	
OBRI0056	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	0	12	
OBRI0057	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/96-04/17/96	0	1	
OBRI0059	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/06/66-08/19/81	14	5	
OBRI0062	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-06/05/91	8	54	
OBRI0063	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/06/65-10/06/65	0	1	
OBRI0064	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	0	5	
OBRI0066	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/21/96-11/24/98	2	11	
OBRI0067	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/21/96-12/04/97	1	9	
OBRI0070	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	0	5	
OBRI0071	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	14	108	T
OBRI0073	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/02/80-03/02/80	0	1	
OBRI0075	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	14	105	T
OBRI0077	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	0	5	
OBRI0078	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	14	103	T
OBRI0079	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/22/80-06/22/80	0	1	
OBRI0080	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/20/96-12/03/97	1	9	
OBRI0081	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/22/65-05/22/65	0	1	
OBRI0082	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/81-08/19/81	0	1	
OBRI0083	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/31/80-07/31/80	0	1	
OBRI0084	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/22/65-08/18/81	16	3	
OBRI0086	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/28/80-05/28/80	0	1	
OBRI0087	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/28/80-05/28/80	0	1	
OBRI0088	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	14	107	T
OBRI0090	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	0	5	
OBRI0092	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/07/82-04/12/90	7	48	
OBRI0093	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	0	12	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0094	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/80-06/21/80	0	1	
OBRI0096	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/21/96-12/04/97	1	9	
OBRI0098	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	0	5	
OBRI0099	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/29/79-03/29/79	0	1	
OBRI0101	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/17/97-03/17/97	0	1	
OBRI0104	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	14	106	T
OBRI0105	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	0	5	
OBRI0107	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/05/73-09/04/74	0	12	
OBRI0108	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	0	12	
OBRI0114	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/01/80-10/01/80	0	1	
OBRI0116	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/29/79-03/29/79	0	1	
OBRI0120	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/21/82-12/14/88	5	16	
OBRI0123	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/14/75-09/08/76	0	13	
OBRI0125	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/29/79-03/29/79	0	1	
OBRI0129	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/29/79-03/29/79	0	1	
OBRI0130	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/29/79-03/29/79	0	1	
OBRI0005	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/23/65-08/18/81	16	10	
OBRI0013	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/18/81-08/18/81	0	1	
OBRI0015	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/22/65-07/29/68	3	7	
OBRI0019	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/19/81-08/19/81	0	1	
OBRI0041	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/18/81-08/18/81	0	1	
OBRI0042	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/23/65-05/23/65	0	1	
OBRI0046	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/02/65-05/23/68	3	7	
OBRI0050	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/22/65-10/06/65	0	2	
OBRI0059	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/19/81-08/19/81	0	1	
OBRI0063	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/06/65-10/06/65	0	1	
OBRI0081	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/22/65-05/22/65	0	1	
OBRI0082	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/19/81-08/19/81	0	1	
OBRI0084	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/22/65-08/18/81	16	3	
OBRI0008	No	00910	CALCIUM (MG/L AS CACO3)	11/22/82-10/11/88	5	14	
OBRI0028	No	00910	CALCIUM (MG/L AS CACO3)	10/15/79-10/15/79	0	1	
OBRI0034	No	00910	CALCIUM (MG/L AS CACO3)	10/15/79-10/15/79	0	1	
OBRI0040	No	00910	CALCIUM (MG/L AS CACO3)	10/15/79-10/15/79	0	1	
OBRI0047	No	00910	CALCIUM (MG/L AS CACO3)	10/15/79-10/15/79	0	1	
OBRI0054	Yes	00910	CALCIUM (MG/L AS CACO3)	04/17/96-08/28/97	1	2	
OBRI0066	No	00910	CALCIUM (MG/L AS CACO3)	08/07/97-10/06/97	0	2	
OBRI0099	Yes	00910	CALCIUM (MG/L AS CACO3)	03/29/79-03/29/79	0	1	
OBRI0116	No	00910	CALCIUM (MG/L AS CACO3)	03/29/79-03/29/79	0	1	
OBRI0125	No	00910	CALCIUM (MG/L AS CACO3)	03/29/79-03/29/79	0	1	
OBRI0129	No	00910	CALCIUM (MG/L AS CACO3)	03/29/79-03/29/79	0	1	
OBRI0130	No	00910	CALCIUM (MG/L AS CACO3)	03/29/79-03/29/79	0	1	
OBRI0005	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/19/66-08/18/81	15	19	
OBRI0013	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/18/81-08/18/81	0	1	
OBRI0015	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/19/66-07/29/68	2	18	
OBRI0019	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/19/81-08/19/81	0	1	
OBRI0021	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/26/96-06/26/96	0	1	
OBRI0041	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/18/81-08/18/81	0	1	
OBRI0046	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/02/65-05/23/68	3	19	
OBRI0059	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/06/66-08/19/81	14	5	
OBRI0072	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/22/96-07/22/96	0	1	
OBRI0082	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/19/81-08/19/81	0	1	
OBRI0084	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/22/65-08/18/81	16	2	
OBRI0089	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/01/86-05/01/86	0	1	
OBRI0091	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/25/96-07/25/96	0	1	
OBRI0109	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/28/86-04/28/86	0	1	
OBRI0111	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/28/86-04/28/86	0	1	
OBRI0007	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/27/67-04/22/68	0	9	
OBRI0009	No	00916	CALCIUM, TOTAL (MG/L AS CA)	01/21/75-09/13/76	1	14	
OBRI0011	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/23/67-12/13/76	9	15	
OBRI0012	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/27/67-04/22/68	0	7	
OBRI0015	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/11/75-09/08/76	1	13	
OBRI0016	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/23/67-12/08/76	9	15	
OBRI0023	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	06/08/80-06/08/80	0	1	
OBRI0032	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	09/27/67-11/02/71	4	13	
OBRI0037	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	06/08/80-06/08/80	0	1	
OBRI0051	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	06/23/67-04/01/96	28	13	
OBRI0055	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	06/08/80-06/08/80	0	1	
OBRI0058	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	09/28/67-11/02/71	4	14	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0064	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	06/08/80-06/08/80	0	1	
OBRI0069	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/28/67-04/23/68	0	7	
OBRI0070	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	06/08/80-06/08/80	0	1	
OBRI0085	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/23/67-11/02/71	4	15	
OBRI0090	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	06/08/80-06/08/80	0	1	
OBRI0100	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	09/28/67-04/23/68	0	7	
OBRI0103	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/23/67-11/02/71	4	15	
OBRI0105	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/08/80-06/08/80	0	1	
OBRI0106	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/23/67-03/17/76	8	17	
OBRI0107	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/05/73-09/04/74	0	12	
OBRI0112	No	00916	CALCIUM, TOTAL (MG/L AS CA)	07/06/71-11/02/71	0	5	
OBRI0113	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/28/67-11/09/67	0	3	
OBRI0115	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/23/67-11/02/71	4	17	
OBRI0122	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/01/71-12/08/76	5	9	
OBRI0123	No	00916	CALCIUM, TOTAL (MG/L AS CA)	10/14/75-09/08/76	0	13	
OBRI0128	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/23/67-11/02/71	4	16	
OBRI0135	No	00916	CALCIUM, TOTAL (MG/L AS CA)	10/16/67-11/02/71	4	10	
OBRI0005	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/19/66-08/18/81	15	19	
OBRI0013	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/18/81-08/18/81	0	1	
OBRI0015	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/19/66-07/29/68	2	18	
OBRI0019	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/19/81-08/19/81	0	1	
OBRI0021	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/26/96-06/26/96	0	1	
OBRI0041	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/18/81-08/18/81	0	1	
OBRI0046	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/02/65-05/23/68	3	19	
OBRI0059	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/06/66-08/19/81	14	5	
OBRI0072	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/22/96-07/22/96	0	1	
OBRI0082	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/19/81-08/19/81	0	1	
OBRI0084	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/22/65-08/18/81	16	2	
OBRI0089	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/01/86-05/01/86	0	1	
OBRI0091	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/25/96-07/25/96	0	1	
OBRI0109	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/28/86-04/28/86	0	1	
OBRI0111	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/28/86-04/28/86	0	1	
OBRI0007	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/27/67-04/22/68	0	9	
OBRI0008	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/22/82-10/11/88	5	13	
OBRI0009	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	01/21/75-09/13/76	1	14	
OBRI0011	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/67-12/13/76	9	15	
OBRI0012	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/27/67-04/22/68	0	7	
OBRI0015	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/11/75-09/08/76	1	13	
OBRI0016	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/67-12/08/76	9	15	
OBRI0023	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/08/80-06/08/80	0	1	
OBRI0028	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/15/79-10/15/79	0	1	
OBRI0032	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/27/67-11/02/71	4	13	
OBRI0034	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/15/79-10/15/79	0	1	
OBRI0037	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/08/80-06/08/80	0	1	
OBRI0040	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/15/79-10/15/79	0	1	
OBRI0047	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/15/79-10/15/79	0	1	
OBRI0049	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/08/80-06/08/80	0	1	
OBRI0051	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/67-04/01/96	28	13	
OBRI0055	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/08/80-06/08/80	0	1	
OBRI0058	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/28/67-11/02/71	4	14	
OBRI0064	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/08/80-06/08/80	0	1	
OBRI0069	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/28/67-04/23/68	0	7	
OBRI0070	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/08/80-06/08/80	0	1	
OBRI0085	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/67-11/02/71	4	15	
OBRI0090	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/08/80-06/08/80	0	1	
OBRI0099	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/29/79-03/29/79	0	1	
OBRI0100	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/28/67-04/23/68	0	7	
OBRI0103	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/67-11/02/71	4	15	
OBRI0105	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/08/80-06/08/80	0	1	
OBRI0106	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/67-03/17/76	8	17	
OBRI0107	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/05/73-09/04/74	0	12	
OBRI0112	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/06/71-11/02/71	0	5	
OBRI0113	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/28/67-11/09/67	0	3	
OBRI0115	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/67-11/02/71	4	17	
OBRI0116	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/29/79-03/29/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0122	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/01/71-12/08/76	5	9	
OBRI0123	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/14/75-09/08/76	0	13	
OBRI0125	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/29/79-03/29/79	0	1	
OBRI0128	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/67-11/02/71	4	16	
OBRI0129	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/29/79-03/29/79	0	1	
OBRI0130	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/29/79-03/29/79	0	1	
OBRI0135	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/16/67-11/02/71	4	10	
OBRI0007	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/27/67-04/22/68	0	6	
OBRI0009	No	00929	SODIUM, TOTAL (MG/L AS NA)	01/21/75-09/13/76	1	14	
OBRI0011	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-12/13/76	9	12	
OBRI0012	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/27/67-04/22/68	0	6	
OBRI0015	No	00929	SODIUM, TOTAL (MG/L AS NA)	03/11/75-09/08/76	1	12	
OBRI0016	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-12/08/76	9	13	
OBRI0023	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	06/08/80-06/08/80	0	1	
OBRI0032	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	09/27/67-11/02/71	4	11	
OBRI0037	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	06/08/80-06/08/80	0	1	
OBRI0051	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-04/23/68	0	8	
OBRI0055	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	06/08/80-06/08/80	0	1	
OBRI0058	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	09/28/67-11/02/71	4	11	
OBRI0064	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	06/08/80-06/08/80	0	1	
OBRI0069	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/28/67-04/23/68	0	6	
OBRI0070	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	06/08/80-06/08/80	0	1	
OBRI0085	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-11/02/71	4	14	
OBRI0090	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	06/08/80-06/08/80	0	1	
OBRI0099	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	03/29/79-03/29/79	0	1	
OBRI0100	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	09/28/67-04/23/68	0	6	
OBRI0103	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-11/02/71	4	14	
OBRI0105	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/08/80-06/08/80	0	1	
OBRI0106	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-03/17/76	8	16	
OBRI0107	No	00929	SODIUM, TOTAL (MG/L AS NA)	11/05/73-09/04/74	0	12	
OBRI0112	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/06/71-11/02/71	0	5	
OBRI0113	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/28/67-11/09/67	0	3	
OBRI0115	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-11/02/71	4	16	
OBRI0116	No	00929	SODIUM, TOTAL (MG/L AS NA)	03/29/79-03/29/79	0	1	
OBRI0118	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-06/23/67	0	1	
OBRI0121	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-06/23/67	0	1	
OBRI0122	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/01/71-12/08/76	5	9	
OBRI0123	No	00929	SODIUM, TOTAL (MG/L AS NA)	10/14/75-09/08/76	0	13	
OBRI0125	No	00929	SODIUM, TOTAL (MG/L AS NA)	03/29/79-03/29/79	0	1	
OBRI0128	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-11/02/71	4	14	
OBRI0129	No	00929	SODIUM, TOTAL (MG/L AS NA)	03/29/79-03/29/79	0	1	
OBRI0130	No	00929	SODIUM, TOTAL (MG/L AS NA)	03/29/79-03/29/79	0	1	
OBRI0133	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-06/23/67	0	1	
OBRI0134	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-06/23/67	0	1	
OBRI0135	No	00929	SODIUM, TOTAL (MG/L AS NA)	10/16/67-11/02/71	4	11	
OBRI0005	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/19/66-08/18/81	15	19	
OBRI0013	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/18/81-08/18/81	0	1	
OBRI0015	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/19/66-07/29/68	2	18	
OBRI0019	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/19/81-08/19/81	0	1	
OBRI0021	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/26/96-06/26/96	0	1	
OBRI0041	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/18/81-08/18/81	0	1	
OBRI0046	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	02/02/65-05/23/68	3	19	
OBRI0059	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/06/66-08/19/81	14	5	
OBRI0072	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/22/96-07/22/96	0	1	
OBRI0082	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/19/81-08/19/81	0	1	
OBRI0084	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/22/65-08/18/81	16	2	
OBRI0089	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/01/86-05/01/86	0	1	
OBRI0091	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/25/96-07/25/96	0	1	
OBRI0109	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/28/86-04/28/86	0	1	
OBRI0111	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/28/86-04/28/86	0	1	
OBRI0005	No	00931	SODIUM ADSORPTION RATIO	07/19/66-08/18/81	15	8	
OBRI0013	No	00931	SODIUM ADSORPTION RATIO	08/18/81-08/18/81	0	1	
OBRI0015	No	00931	SODIUM ADSORPTION RATIO	10/27/66-07/29/68	1	6	
OBRI0019	No	00931	SODIUM ADSORPTION RATIO	08/19/81-08/19/81	0	1	
OBRI0041	No	00931	SODIUM ADSORPTION RATIO	08/18/81-08/18/81	0	1	
OBRI0046	Yes	00931	SODIUM ADSORPTION RATIO	10/27/66-05/23/68	1	4	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0059	Yes	00931	SODIUM ADSORPTION RATIO	08/19/81-08/19/81	0	1	
OBRI0082	No	00931	SODIUM ADSORPTION RATIO	08/19/81-08/19/81	0	1	
OBRI0084	No	00931	SODIUM ADSORPTION RATIO	08/18/81-08/18/81	0	1	
OBRI0005	No	00932	SODIUM, PERCENT	07/19/66-08/18/81	15	8	
OBRI0013	No	00932	SODIUM, PERCENT	08/18/81-08/18/81	0	1	
OBRI0015	No	00932	SODIUM, PERCENT	10/27/66-07/29/68	1	6	
OBRI0019	No	00932	SODIUM, PERCENT	08/19/81-08/19/81	0	1	
OBRI0041	No	00932	SODIUM, PERCENT	08/18/81-08/18/81	0	1	
OBRI0046	Yes	00932	SODIUM, PERCENT	10/27/66-05/23/68	1	4	
OBRI0059	Yes	00932	SODIUM, PERCENT	08/19/81-08/19/81	0	1	
OBRI0082	No	00932	SODIUM, PERCENT	08/19/81-08/19/81	0	1	
OBRI0084	No	00932	SODIUM, PERCENT	08/18/81-08/18/81	0	1	
OBRI0005	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/19/66-08/18/81	15	19	
OBRI0013	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/18/81-08/18/81	0	1	
OBRI0015	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/19/66-07/29/68	2	18	
OBRI0019	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/19/81-08/19/81	0	1	
OBRI0021	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/26/96-06/26/96	0	1	
OBRI0041	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/18/81-08/18/81	0	1	
OBRI0046	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/02/65-05/23/68	3	19	
OBRI0059	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/06/66-08/19/81	14	5	
OBRI0072	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/22/96-07/22/96	0	1	
OBRI0082	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/19/81-08/19/81	0	1	
OBRI0084	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/22/65-08/18/81	16	2	
OBRI0089	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/01/86-05/01/86	0	1	
OBRI0091	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/25/96-07/25/96	0	1	
OBRI0109	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/28/86-04/28/86	0	1	
OBRI0111	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/28/86-04/28/86	0	1	
OBRI0007	No	00937	POTASSIUM, TOTAL MG/L AS K)	09/27/67-04/22/68	0	6	
OBRI0009	No	00937	POTASSIUM, TOTAL MG/L AS K)	01/21/75-09/13/76	1	14	
OBRI0011	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-12/13/76	9	12	
OBRI0012	No	00937	POTASSIUM, TOTAL MG/L AS K)	09/27/67-04/22/68	0	6	
OBRI0015	No	00937	POTASSIUM, TOTAL MG/L AS K)	03/11/75-09/08/76	1	13	
OBRI0016	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-12/08/76	9	12	
OBRI0023	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	06/08/80-06/08/80	0	1	
OBRI0028	No	00937	POTASSIUM, TOTAL MG/L AS K)	10/15/79-10/15/79	0	1	
OBRI0032	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	09/27/67-11/02/71	4	11	
OBRI0034	No	00937	POTASSIUM, TOTAL MG/L AS K)	10/15/79-10/15/79	0	1	
OBRI0037	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	06/08/80-06/08/80	0	1	
OBRI0040	No	00937	POTASSIUM, TOTAL MG/L AS K)	10/15/79-10/15/79	0	1	
OBRI0047	No	00937	POTASSIUM, TOTAL MG/L AS K)	10/15/79-10/15/79	0	1	
OBRI0049	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	06/08/80-06/08/80	0	1	
OBRI0051	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-04/23/68	0	9	
OBRI0055	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	06/08/80-06/08/80	0	1	
OBRI0058	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	09/28/67-11/02/71	4	11	
OBRI0064	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	06/08/80-06/08/80	0	1	
OBRI0069	No	00937	POTASSIUM, TOTAL MG/L AS K)	09/28/67-04/23/68	0	6	
OBRI0070	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	06/08/80-06/08/80	0	1	
OBRI0085	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-11/02/71	4	14	
OBRI0090	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	06/08/80-06/08/80	0	1	
OBRI0099	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	03/29/79-03/29/79	0	1	
OBRI0100	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	09/28/67-04/23/68	0	6	
OBRI0103	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-11/02/71	4	14	
OBRI0105	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/08/80-06/08/80	0	1	
OBRI0106	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-03/17/76	8	16	
OBRI0107	No	00937	POTASSIUM, TOTAL MG/L AS K)	11/05/73-09/04/74	0	12	
OBRI0112	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/06/71-11/02/71	0	5	
OBRI0113	No	00937	POTASSIUM, TOTAL MG/L AS K)	09/28/67-11/09/67	0	3	
OBRI0115	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-11/02/71	4	16	
OBRI0116	No	00937	POTASSIUM, TOTAL MG/L AS K)	03/29/79-03/29/79	0	1	
OBRI0118	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-06/23/67	0	1	
OBRI0121	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-06/23/67	0	1	
OBRI0122	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/01/71-12/08/76	5	9	
OBRI0123	No	00937	POTASSIUM, TOTAL MG/L AS K)	10/14/75-09/08/76	0	13	
OBRI0125	No	00937	POTASSIUM, TOTAL MG/L AS K)	03/29/79-03/29/79	0	1	
OBRI0128	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-11/02/71	4	14	
OBRI0129	No	00937	POTASSIUM, TOTAL MG/L AS K)	03/29/79-03/29/79	0	1	
OBRI0130	No	00937	POTASSIUM, TOTAL MG/L AS K)	03/29/79-03/29/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0133	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-06/23/67	0	1	
OBRI0134	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-06/23/67	0	1	
OBRI0135	No	00937	POTASSIUM, TOTAL MG/L AS K)	10/16/67-11/02/71	4	11	
OBRI0001	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/10/74-12/17/74	0	2	
OBRI0002	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/10/74-12/10/74	0	1	
OBRI0003	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/10/74-12/17/74	0	2	
OBRI0004	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/96-04/29/96	0	1	
OBRI0005	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/23/65-08/18/81	16	21	S
OBRI0007	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/27/67-04/22/68	0	10	
OBRI0008	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/11/84-12/11/84	0	1	
OBRI0009	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/21/75-09/13/76	1	14	
OBRI0010	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/18/76-12/13/76	0	3	
OBRI0011	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-04/22/68	0	13	
OBRI0012	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/27/67-04/22/68	0	8	
OBRI0013	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/18/81-08/18/81	0	1	
OBRI0015	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/22/65-09/08/76	11	32	
OBRI0016	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-04/22/68	0	13	
OBRI0017	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/06/76-12/08/76	0	3	
OBRI0019	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/81-08/19/81	0	1	
OBRI0021	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/26/96-06/26/96	0	1	
OBRI0024	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	14	86	T
OBRI0028	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/15/79-10/15/79	0	1	
OBRI0032	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/27/67-11/02/71	4	15	
OBRI0033	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	14	102	T
OBRI0034	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/15/79-10/15/79	0	1	
OBRI0035	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	14	105	T
OBRI0040	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/15/79-10/15/79	0	1	
OBRI0041	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/18/81-08/18/81	0	1	
OBRI0042	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/23/65-05/23/65	0	1	
OBRI0046	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	02/02/65-05/23/68	3	19	
OBRI0047	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/15/79-10/15/79	0	1	
OBRI0048	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	14	99	T
OBRI0050	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	05/22/65-10/06/65	0	2	
OBRI0051	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-04/01/96	28	14	
OBRI0054	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/17/96-04/17/96	0	1	
OBRI0058	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/28/67-11/02/71	4	15	
OBRI0059	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/06/66-08/19/81	14	5	
OBRI0062	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-06/05/91	8	49	
OBRI0063	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/06/65-10/06/65	0	1	
OBRI0069	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/28/67-04/23/68	0	8	
OBRI0071	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	14	102	T
OBRI0072	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/24/96-07/24/96	0	1	
OBRI0075	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	14	99	T
OBRI0076	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/22/96-07/22/96	0	1	
OBRI0078	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	14	97	T
OBRI0081	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/22/65-05/22/65	0	1	
OBRI0082	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/81-08/19/81	0	1	
OBRI0084	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/22/65-08/18/81	16	3	
OBRI0085	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-11/02/71	4	16	
OBRI0088	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	14	101	T
OBRI0091	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/23/96-07/23/96	0	1	
OBRI0092	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-04/12/90	6	45	
OBRI0097	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/25/96-07/25/96	0	1	
OBRI0099	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/29/79-03/29/79	0	1	
OBRI0100	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/28/67-04/23/68	0	8	
OBRI0101	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/17/97-03/17/97	0	1	
OBRI0103	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-11/02/71	4	16	
OBRI0104	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	14	99	T
OBRI0106	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-03/17/76	8	18	
OBRI0107	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/05/73-09/04/74	0	12	
OBRI0112	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/06/71-11/02/71	0	5	
OBRI0115	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-11/02/71	4	18	
OBRI0116	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/29/79-03/29/79	0	1	
OBRI0118	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-06/23/67	0	1	
OBRI0121	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-06/23/67	0	1	
OBRI0122	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/01/71-12/08/76	5	9	
OBRI0123	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/14/75-09/08/76	0	13	
OBRI0125	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/29/79-03/29/79	0	1	
OBRI0128	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-11/02/71	4	17	
OBRI0129	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/29/79-03/29/79	0	1	
OBRI0130	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/29/79-03/29/79	0	1	
OBRI0133	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-06/23/67	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0134	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-06/23/67	0	1	
OBRI0135	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/16/67-11/02/71	4	10	
OBRI0089	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	05/01/86-05/01/86	0	1	
OBRI0109	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/28/86-04/28/86	0	1	
OBRI0111	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/28/86-04/28/86	0	1	
OBRI0001	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/10/74-12/17/74	0	2	
OBRI0002	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/10/74-12/10/74	0	1	
OBRI0003	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/10/74-12/17/74	0	2	
OBRI0004	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/12/96-11/18/98	2	5	
OBRI0005	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/23/65-08/18/81	16	26	S
OBRI0007	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/27/67-04/22/68	0	10	
OBRI0008	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/05/83-06/23/87	4	11	
OBRI0009	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/21/75-09/13/76	1	14	
OBRI0010	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-12/13/76	9	16	
OBRI0012	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/27/67-04/22/68	0	8	
OBRI0013	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/24/79-08/18/81	2	9	
OBRI0015	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/22/65-09/08/76	11	31	
OBRI0017	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-12/08/76	9	16	
OBRI0019	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/23/79-08/19/81	2	6	
OBRI0020	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/05/98-12/01/98	0	2	
OBRI0021	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/26/96-06/26/96	0	1	
OBRI0023	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	11/16/79-09/30/80	0	5	
OBRI0024	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	14	89	T
OBRI0027	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	11/16/79-09/30/80	0	5	
OBRI0029	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/03/80-08/03/80	0	1	
OBRI0032	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	09/27/67-11/02/71	4	14	
OBRI0033	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	14	106	T
OBRI0035	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	14	109	T
OBRI0037	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	11/16/79-09/30/80	0	5	
OBRI0039	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/03/80-08/03/80	0	1	
OBRI0041	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/23/79-08/18/81	2	6	
OBRI0042	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/23/65-05/23/65	0	1	
OBRI0043	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/05/98-12/01/98	0	2	
OBRI0044	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/03/80-08/03/80	0	1	
OBRI0046	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	02/02/65-05/23/68	3	20	
OBRI0048	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	14	103	T
OBRI0049	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	11/16/79-09/30/80	0	5	
OBRI0050	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	05/22/65-10/06/65	0	2	
OBRI0051	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-04/01/96	28	14	
OBRI0053	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/22/80-06/22/80	0	1	
OBRI0054	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	11/12/96-11/24/98	2	3	
OBRI0055	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	11/16/79-09/30/80	0	6	
OBRI0057	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	02/06/97-02/06/97	0	1	
OBRI0058	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	09/28/67-11/02/71	4	15	
OBRI0059	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	09/06/66-08/19/81	14	14	
OBRI0062	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-06/05/91	8	53	
OBRI0063	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/06/65-10/06/65	0	1	
OBRI0064	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	11/16/79-09/30/80	0	5	
OBRI0066	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/96-11/24/98	2	10	
OBRI0067	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/96-12/04/97	1	9	
OBRI0069	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/28/67-04/23/68	0	8	
OBRI0070	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/16/79-09/30/80	0	5	
OBRI0071	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	14	106	T
OBRI0072	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/24/96-07/24/96	0	1	
OBRI0073	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/02/80-03/02/80	0	1	
OBRI0075	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	14	103	T
OBRI0076	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/22/96-07/22/96	0	1	
OBRI0077	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	11/16/79-09/30/80	0	5	
OBRI0078	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	14	101	T
OBRI0079	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/22/80-06/22/80	0	1	
OBRI0080	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/20/96-12/03/97	1	9	
OBRI0081	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/22/65-05/22/65	0	1	
OBRI0082	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/24/79-08/19/81	2	4	
OBRI0083	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/31/80-07/31/80	0	1	
OBRI0084	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/22/65-08/18/81	16	11	
OBRI0085	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-11/02/71	4	16	
OBRI0086	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/28/80-05/28/80	0	1	
OBRI0087	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/28/80-05/28/80	0	1	
OBRI0088	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	14	105	T
OBRI0090	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	11/16/79-09/30/80	0	5	
OBRI0091	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/23/96-07/23/96	0	1	
OBRI0092	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	12/07/82-04/12/90	7	48	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0094	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/21/80-06/21/80	0	1	
OBRI0096	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/96-12/04/97	1	9	
OBRI0097	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/25/96-07/25/96	0	1	
OBRI0098	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	11/16/79-09/30/80	0	5	
OBRI0099	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/29/79-03/29/79	0	1	
OBRI0100	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	09/28/67-04/23/68	0	8	
OBRI0101	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/17/97-03/17/97	0	1	
OBRI0103	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-11/02/71	4	16	
OBRI0104	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	14	104	T
OBRI0105	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/29/80-09/30/80	0	4	
OBRI0106	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-03/17/76	8	18	
OBRI0107	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/05/73-09/04/74	0	11	
OBRI0110	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/19/91-12/11/91	0	4	
OBRI0112	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/06/71-11/02/71	0	5	
OBRI0114	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/01/80-10/01/80	0	1	
OBRI0115	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-11/02/71	4	18	
OBRI0116	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/29/79-03/29/79	0	1	
OBRI0118	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-06/23/67	0	1	
OBRI0121	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-06/23/67	0	1	
OBRI0123	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/14/75-09/08/76	0	13	
OBRI0124	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/01/71-12/08/76	5	9	
OBRI0125	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/29/79-03/29/79	0	1	
OBRI0128	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-11/02/71	4	17	
OBRI0129	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/29/79-03/29/79	0	1	
OBRI0130	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/29/79-03/29/79	0	1	
OBRI0133	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-06/23/67	0	1	
OBRI0134	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-06/23/67	0	1	
OBRI0135	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/16/67-11/02/71	4	10	
OBRI0089	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	05/01/86-05/01/86	0	1	
OBRI0109	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/28/86-04/28/86	0	1	
OBRI0111	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/28/86-04/28/86	0	1	
OBRI0001	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/10/74-12/17/74	0	2	
OBRI0002	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/10/74-12/10/74	0	1	
OBRI0003	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/10/74-12/17/74	0	2	
OBRI0005	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/18/81-08/18/81	0	1	
OBRI0013	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/18/81-08/18/81	0	1	
OBRI0019	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/19/81-08/19/81	0	1	
OBRI0021	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/26/96-06/26/96	0	1	
OBRI0041	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/18/81-08/18/81	0	1	
OBRI0046	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/02/65-05/23/65	0	2	
OBRI0059	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/19/81-08/19/81	0	1	
OBRI0072	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/22/96-07/22/96	0	1	
OBRI0082	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/19/81-08/19/81	0	1	
OBRI0084	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/22/65-08/18/81	16	2	
OBRI0089	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/01/86-05/01/86	0	1	
OBRI0091	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/25/96-07/25/96	0	1	
OBRI0109	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/28/86-04/28/86	0	1	
OBRI0111	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/28/86-04/28/86	0	1	
OBRI0009	No	00951	FLUORIDE, TOTAL (MG/L AS F)	01/21/75-09/13/76	1	14	
OBRI0011	No	00951	FLUORIDE, TOTAL (MG/L AS F)	10/18/76-12/13/76	0	3	
OBRI0015	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/11/75-09/08/76	1	12	
OBRI0016	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/11/76-12/08/76	0	4	
OBRI0051	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	04/01/96-04/01/96	0	1	
OBRI0106	No	00951	FLUORIDE, TOTAL (MG/L AS F)	02/10/76-03/17/76	0	2	
OBRI0107	No	00951	FLUORIDE, TOTAL (MG/L AS F)	12/10/73-09/04/74	0	11	
OBRI0115	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/24/69-03/24/69	0	1	
OBRI0122	No	00951	FLUORIDE, TOTAL (MG/L AS F)	10/06/76-12/08/76	0	3	
OBRI0123	No	00951	FLUORIDE, TOTAL (MG/L AS F)	10/14/75-09/08/76	0	13	
OBRI0001	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	12/10/74-12/17/74	0	2	
OBRI0002	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	12/10/74-12/10/74	0	1	
OBRI0003	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	12/10/74-12/17/74	0	2	
OBRI0005	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/19/66-08/18/81	15	19	
OBRI0009	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/21/75-09/13/76	1	14	
OBRI0010	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/18/76-12/13/76	0	3	
OBRI0013	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/18/81-08/18/81	0	1	
OBRI0015	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/19/66-09/08/76	10	30	
OBRI0017	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/11/76-11/03/76	0	3	
OBRI0019	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/81-08/19/81	0	1	
OBRI0021	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/26/96-06/26/96	0	1	
OBRI0041	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/18/81-08/18/81	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0046	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	02/02/65-05/23/68	3	19	
OBRI0059	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/06/66-08/19/81	14	5	
OBRI0072	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/22/96-07/22/96	0	1	
OBRI0082	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/81-08/19/81	0	1	
OBRI0084	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/22/65-08/18/81	16	2	
OBRI0089	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/01/86-05/01/86	0	1	
OBRI0091	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/25/96-07/25/96	0	1	
OBRI0106	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	02/10/76-03/17/76	0	2	
OBRI0109	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/28/86-04/28/86	0	1	
OBRI0111	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/28/86-04/28/86	0	1	
OBRI0122	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/06/76-12/08/76	0	3	
OBRI0123	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/14/75-09/08/76	0	13	
OBRI0007	No	00956	SILICA, TOTAL (MG/L AS SI02)	09/27/67-04/22/68	0	6	
OBRI0011	No	00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-04/22/68	0	9	
OBRI0012	No	00956	SILICA, TOTAL (MG/L AS SI02)	09/27/67-04/22/68	0	6	
OBRI0016	No	00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-04/22/68	0	9	
OBRI0032	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	09/27/67-04/22/68	0	6	
OBRI0051	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-04/23/68	0	9	
OBRI0058	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	09/28/67-04/23/68	0	6	
OBRI0069	No	00956	SILICA, TOTAL (MG/L AS SI02)	09/28/67-04/23/68	0	6	
OBRI0085	No	00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-04/23/68	0	9	
OBRI0100	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	09/28/67-04/23/68	0	6	
OBRI0103	No	00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-04/23/68	0	9	
OBRI0106	No	00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-09/04/74	7	21	
OBRI0115	No	00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-03/24/69	1	10	
OBRI0118	No	00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-06/23/67	0	1	
OBRI0121	No	00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-06/23/67	0	1	
OBRI0128	No	00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-04/23/68	0	9	
OBRI0133	No	00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-06/23/67	0	1	
OBRI0134	No	00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-06/23/67	0	1	
OBRI0135	No	00956	SILICA, TOTAL (MG/L AS SI02)	10/16/67-04/23/68	0	5	
OBRI0004	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/29/96-11/18/98	2	13	
OBRI0005	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/18/81-08/18/81	0	1	
OBRI0008	No	01002	ARSENIC, TOTAL (UG/L AS AS)	11/22/82-10/11/88	5	18	
OBRI0013	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/18/81-08/18/81	0	1	
OBRI0015	No	01002	ARSENIC, TOTAL (UG/L AS AS)	11/12/75-05/12/76	0	3	
OBRI0017	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/11/76-11/03/76	0	2	
OBRI0019	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/19/81-08/19/81	0	1	
OBRI0020	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/13/98-12/01/98	0	3	
OBRI0041	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/18/81-08/18/81	0	1	
OBRI0043	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/13/98-12/01/98	0	3	
OBRI0051	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	04/01/96-04/01/96	0	1	
OBRI0054	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	04/17/96-11/24/98	2	13	
OBRI0059	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	08/19/81-08/19/81	0	1	
OBRI0066	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/96-11/24/98	2	11	
OBRI0082	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/19/81-08/19/81	0	1	
OBRI0084	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/18/81-08/18/81	0	1	
OBRI0120	No	01002	ARSENIC, TOTAL (UG/L AS AS)	12/21/82-12/14/88	5	16	
OBRI0005	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0013	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/06/79-08/18/81	1	3	
OBRI0019	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0041	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/06/79-07/18/80	0	2	
OBRI0059	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/06/79-08/19/81	1	3	
OBRI0082	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0084	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0005	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/18/81-08/18/81	0	1	
OBRI0013	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/18/81-08/18/81	0	1	
OBRI0015	No	01007	BARIUM, TOTAL (UG/L AS BA)	11/12/75-05/12/76	0	3	
OBRI0017	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/11/76-11/03/76	0	2	
OBRI0019	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/19/81-08/19/81	0	1	
OBRI0041	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/18/81-08/18/81	0	1	
OBRI0051	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	04/01/96-04/01/96	0	1	
OBRI0059	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	08/19/81-08/19/81	0	1	
OBRI0082	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/19/81-08/19/81	0	1	
OBRI0084	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/18/81-08/18/81	0	1	
OBRI0015	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	11/12/75-05/12/76	0	3	
OBRI0016	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/11/76-11/03/76	0	2	
OBRI0051	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	04/01/96-04/01/96	0	1	
OBRI0015	No	01022	BORON, TOTAL (UG/L AS B)	11/12/75-05/12/76	0	3	
OBRI0016	No	01022	BORON, TOTAL (UG/L AS B)	08/11/76-11/03/76	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0023	Yes	01022	BORON, TOTAL (UG/L AS B)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	01022	BORON, TOTAL (UG/L AS B)	06/08/80-06/08/80	0	1	
OBRI0037	Yes	01022	BORON, TOTAL (UG/L AS B)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	01022	BORON, TOTAL (UG/L AS B)	06/08/80-06/08/80	0	1	
OBRI0055	Yes	01022	BORON, TOTAL (UG/L AS B)	06/08/80-06/08/80	0	1	
OBRI0064	Yes	01022	BORON, TOTAL (UG/L AS B)	06/08/80-06/08/80	0	1	
OBRI0070	No	01022	BORON, TOTAL (UG/L AS B)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	01022	BORON, TOTAL (UG/L AS B)	06/08/80-06/08/80	0	1	
OBRI0090	Yes	01022	BORON, TOTAL (UG/L AS B)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	01022	BORON, TOTAL (UG/L AS B)	06/08/80-06/08/80	0	1	
OBRI0105	No	01022	BORON, TOTAL (UG/L AS B)	06/08/80-06/08/80	0	1	
OBRI0051	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/01/96-04/01/96	0	1	
OBRI0004	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/96-11/18/98	2	13	
OBRI0005	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/18/81-08/18/81	0	1	
OBRI0008	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/22/82-10/11/88	5	19	
OBRI0013	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/18/81-08/18/81	0	1	
OBRI0015	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/12/75-05/12/76	0	3	
OBRI0017	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/12/75-11/03/76	0	5	
OBRI0019	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/19/81-08/19/81	0	1	
OBRI0020	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/13/98-12/01/98	0	3	
OBRI0023	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/80-06/08/80	0	1	
OBRI0028	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/15/79-10/15/79	0	1	
OBRI0034	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/15/79-10/15/79	0	1	
OBRI0037	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/80-06/08/80	0	1	
OBRI0040	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/15/79-10/15/79	0	1	
OBRI0041	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/18/81-08/18/81	0	1	
OBRI0043	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/13/98-12/01/98	0	3	
OBRI0047	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/15/79-10/15/79	0	1	
OBRI0049	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/80-06/08/80	0	1	
OBRI0051	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/01/96-04/01/96	0	1	
OBRI0054	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	04/17/96-11/24/98	2	13	
OBRI0055	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/80-06/08/80	0	1	
OBRI0059	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	08/19/81-08/19/81	0	1	
OBRI0064	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/80-06/08/80	0	1	
OBRI0066	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/96-11/24/98	2	10	
OBRI0067	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/96-12/04/97	1	8	
OBRI0070	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/80-06/08/80	0	1	
OBRI0080	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/20/96-12/03/97	1	9	
OBRI0082	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/19/81-08/19/81	0	1	
OBRI0084	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/18/81-08/18/81	0	1	
OBRI0090	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/80-06/08/80	0	1	
OBRI0096	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/96-12/04/97	1	7	
OBRI0098	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/80-06/08/80	0	1	
OBRI0099	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	03/29/79-03/29/79	0	1	
OBRI0105	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/80-06/08/80	0	1	
OBRI0116	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/29/79-03/29/79	0	1	
OBRI0120	No	01027	CADMIUM, TOTAL (UG/L AS CD)	12/21/82-12/14/88	5	16	
OBRI0125	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/29/79-03/29/79	0	1	
OBRI0129	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/29/79-03/29/79	0	1	
OBRI0130	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/29/79-03/29/79	0	1	
OBRI0005	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0013	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-08/18/81	1	3	
OBRI0019	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0041	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-07/18/80	0	2	
OBRI0059	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-08/19/81	1	3	
OBRI0082	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0084	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0005	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0013	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-08/18/81	1	3	
OBRI0019	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0041	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-07/18/80	0	2	
OBRI0059	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-08/19/81	1	3	
OBRI0082	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0084	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0004	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/96-11/18/98	2	13	
OBRI0005	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/18/81-08/18/81	0	1	
OBRI0008	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/22/82-10/11/88	5	18	
OBRI0013	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/18/81-08/18/81	0	1	
OBRI0015	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/12/75-05/12/76	0	3	
OBRI0017	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/11/76-11/03/76	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0019	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/19/81-08/19/81	0	1	
OBRI0020	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/13/98-12/01/98	0	3	
OBRI0023	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/16/79-09/30/80	0	6	
OBRI0027	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/16/79-09/30/80	0	6	
OBRI0037	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/16/79-09/30/80	0	6	
OBRI0041	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/18/81-08/18/81	0	1	
OBRI0043	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/13/98-12/01/98	0	3	
OBRI0044	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/03/80-08/03/80	0	1	
OBRI0049	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/16/79-09/30/80	0	6	
OBRI0051	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/01/96-04/01/96	0	1	
OBRI0053	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/22/80-06/22/80	0	1	
OBRI0054	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/17/96-11/24/98	2	13	
OBRI0055	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/16/79-09/30/80	0	7	
OBRI0059	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/19/81-08/19/81	0	1	
OBRI0064	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/16/79-09/30/80	0	5	
OBRI0066	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/96-11/24/98	2	10	
OBRI0070	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/16/79-09/30/80	0	6	
OBRI0073	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/02/80-03/02/80	0	1	
OBRI0077	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/16/79-09/30/80	0	6	
OBRI0079	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/22/80-06/22/80	0	1	
OBRI0082	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/19/81-08/19/81	0	1	
OBRI0083	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/31/80-07/31/80	0	1	
OBRI0084	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/18/81-08/18/81	0	1	
OBRI0086	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/28/80-05/28/80	0	1	
OBRI0087	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/28/80-05/28/80	0	1	
OBRI0090	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/16/79-09/30/80	0	6	
OBRI0094	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/21/80-06/21/80	0	1	
OBRI0098	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/16/79-09/30/80	0	6	
OBRI0099	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/29/79-03/29/79	0	1	
OBRI0105	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	02/29/80-09/30/80	0	5	
OBRI0114	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/01/80-10/01/80	0	1	
OBRI0116	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/29/79-03/29/79	0	1	
OBRI0120	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	12/21/82-03/12/86	3	4	
OBRI0125	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/29/79-03/29/79	0	1	
OBRI0129	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/29/79-03/29/79	0	1	
OBRI0130	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/29/79-03/29/79	0	1	
OBRI0023	Yes	01037	COBALT, TOTAL (UG/L AS CO)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	01037	COBALT, TOTAL (UG/L AS CO)	06/08/80-06/08/80	0	1	
OBRI0037	Yes	01037	COBALT, TOTAL (UG/L AS CO)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	01037	COBALT, TOTAL (UG/L AS CO)	06/08/80-06/08/80	0	1	
OBRI0055	Yes	01037	COBALT, TOTAL (UG/L AS CO)	06/08/80-06/08/80	0	1	
OBRI0064	Yes	01037	COBALT, TOTAL (UG/L AS CO)	06/08/80-06/08/80	0	1	
OBRI0070	No	01037	COBALT, TOTAL (UG/L AS CO)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	01037	COBALT, TOTAL (UG/L AS CO)	06/08/80-06/08/80	0	1	
OBRI0090	Yes	01037	COBALT, TOTAL (UG/L AS CO)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	01037	COBALT, TOTAL (UG/L AS CO)	06/08/80-06/08/80	0	1	
OBRI0105	No	01037	COBALT, TOTAL (UG/L AS CO)	06/08/80-06/08/80	0	1	
OBRI0005	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0013	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/06/79-08/18/81	1	3	
OBRI0019	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0041	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/06/79-07/18/80	0	2	
OBRI0059	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/06/79-08/19/81	1	3	
OBRI0082	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0084	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0051	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	04/01/96-04/01/96	0	1	
OBRI0004	No	01042	COPPER, TOTAL (UG/L AS CU)	04/29/96-11/18/98	2	13	
OBRI0005	No	01042	COPPER, TOTAL (UG/L AS CU)	08/18/81-08/18/81	0	1	
OBRI0007	No	01042	COPPER, TOTAL (UG/L AS CU)	09/27/67-04/22/68	0	5	
OBRI0008	No	01042	COPPER, TOTAL (UG/L AS CU)	11/22/82-10/11/88	5	19	
OBRI0010	No	01042	COPPER, TOTAL (UG/L AS CU)	06/23/67-04/22/68	0	8	
OBRI0012	No	01042	COPPER, TOTAL (UG/L AS CU)	09/27/67-04/22/68	0	5	
OBRI0013	No	01042	COPPER, TOTAL (UG/L AS CU)	08/18/81-08/18/81	0	1	
OBRI0015	No	01042	COPPER, TOTAL (UG/L AS CU)	11/12/75-05/12/76	0	3	
OBRI0017	No	01042	COPPER, TOTAL (UG/L AS CU)	06/23/67-11/03/76	9	11	
OBRI0019	No	01042	COPPER, TOTAL (UG/L AS CU)	08/19/81-08/19/81	0	1	
OBRI0020	No	01042	COPPER, TOTAL (UG/L AS CU)	05/13/98-12/01/98	0	3	
OBRI0023	Yes	01042	COPPER, TOTAL (UG/L AS CU)	11/16/79-09/30/80	0	6	
OBRI0025	Yes	01042	COPPER, TOTAL (UG/L AS CU)	06/26/79-06/26/79	0	1	
OBRI0026	Yes	01042	COPPER, TOTAL (UG/L AS CU)	06/26/79-06/26/79	0	1	
OBRI0027	Yes	01042	COPPER, TOTAL (UG/L AS CU)	11/16/79-09/30/80	0	6	
OBRI0028	No	01042	COPPER, TOTAL (UG/L AS CU)	10/15/79-10/15/79	0	1	
OBRI0030	No	01042	COPPER, TOTAL (UG/L AS CU)	06/26/79-06/26/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0031	Yes	01042	COPPER, TOTAL (UG/L AS CU)	06/26/79-06/26/79	0	1	
OBRI0032	Yes	01042	COPPER, TOTAL (UG/L AS CU)	09/27/67-12/05/67	0	3	
OBRI0034	No	01042	COPPER, TOTAL (UG/L AS CU)	10/15/79-10/15/79	0	1	
OBRI0036	Yes	01042	COPPER, TOTAL (UG/L AS CU)	06/26/79-06/26/79	0	1	
OBRI0037	Yes	01042	COPPER, TOTAL (UG/L AS CU)	11/16/79-09/30/80	0	6	
OBRI0038	Yes	01042	COPPER, TOTAL (UG/L AS CU)	06/26/79-06/26/79	0	1	
OBRI0040	No	01042	COPPER, TOTAL (UG/L AS CU)	10/15/79-10/15/79	0	1	
OBRI0041	No	01042	COPPER, TOTAL (UG/L AS CU)	08/18/81-08/18/81	0	1	
OBRI0043	No	01042	COPPER, TOTAL (UG/L AS CU)	05/13/98-12/01/98	0	3	
OBRI0044	No	01042	COPPER, TOTAL (UG/L AS CU)	08/03/80-08/03/80	0	1	
OBRI0045	No	01042	COPPER, TOTAL (UG/L AS CU)	06/26/79-06/26/79	0	1	
OBRI0047	No	01042	COPPER, TOTAL (UG/L AS CU)	10/15/79-10/15/79	0	1	
OBRI0049	Yes	01042	COPPER, TOTAL (UG/L AS CU)	11/16/79-09/30/80	0	6	
OBRI0051	Yes	01042	COPPER, TOTAL (UG/L AS CU)	06/23/67-04/01/96	28	9	
OBRI0053	No	01042	COPPER, TOTAL (UG/L AS CU)	06/22/80-06/22/80	0	1	
OBRI0054	Yes	01042	COPPER, TOTAL (UG/L AS CU)	04/17/96-11/24/98	2	13	
OBRI0055	Yes	01042	COPPER, TOTAL (UG/L AS CU)	11/16/79-09/30/80	0	7	
OBRI0058	Yes	01042	COPPER, TOTAL (UG/L AS CU)	09/28/67-04/23/68	0	5	
OBRI0059	Yes	01042	COPPER, TOTAL (UG/L AS CU)	08/19/81-08/19/81	0	1	
OBRI0064	Yes	01042	COPPER, TOTAL (UG/L AS CU)	11/16/79-09/30/80	0	5	
OBRI0066	No	01042	COPPER, TOTAL (UG/L AS CU)	08/21/96-11/24/98	2	11	
OBRI0067	No	01042	COPPER, TOTAL (UG/L AS CU)	08/21/96-12/04/97	1	9	
OBRI0068	No	01042	COPPER, TOTAL (UG/L AS CU)	06/26/79-06/26/79	0	1	
OBRI0069	No	01042	COPPER, TOTAL (UG/L AS CU)	09/28/67-04/23/68	0	5	
OBRI0070	No	01042	COPPER, TOTAL (UG/L AS CU)	11/16/79-09/30/80	0	6	
OBRI0073	No	01042	COPPER, TOTAL (UG/L AS CU)	03/02/80-03/02/80	0	1	
OBRI0077	Yes	01042	COPPER, TOTAL (UG/L AS CU)	11/16/79-09/30/80	0	6	
OBRI0079	Yes	01042	COPPER, TOTAL (UG/L AS CU)	06/22/80-06/22/80	0	1	
OBRI0080	No	01042	COPPER, TOTAL (UG/L AS CU)	08/20/96-12/03/97	1	9	
OBRI0082	No	01042	COPPER, TOTAL (UG/L AS CU)	08/19/81-08/19/81	0	1	
OBRI0083	No	01042	COPPER, TOTAL (UG/L AS CU)	07/31/80-07/31/80	0	1	
OBRI0084	No	01042	COPPER, TOTAL (UG/L AS CU)	08/18/81-08/18/81	0	1	
OBRI0085	No	01042	COPPER, TOTAL (UG/L AS CU)	06/23/67-04/23/68	0	8	
OBRI0086	No	01042	COPPER, TOTAL (UG/L AS CU)	05/28/80-05/28/80	0	1	
OBRI0087	No	01042	COPPER, TOTAL (UG/L AS CU)	05/28/80-05/28/80	0	1	
OBRI0090	Yes	01042	COPPER, TOTAL (UG/L AS CU)	11/16/79-09/30/80	0	6	
OBRI0094	No	01042	COPPER, TOTAL (UG/L AS CU)	06/21/80-06/21/80	0	1	
OBRI0096	Yes	01042	COPPER, TOTAL (UG/L AS CU)	08/21/96-12/04/97	1	9	
OBRI0098	Yes	01042	COPPER, TOTAL (UG/L AS CU)	11/16/79-09/30/80	0	6	
OBRI0099	Yes	01042	COPPER, TOTAL (UG/L AS CU)	03/29/79-03/29/79	0	1	
OBRI0100	Yes	01042	COPPER, TOTAL (UG/L AS CU)	09/28/67-04/23/68	0	5	
OBRI0103	No	01042	COPPER, TOTAL (UG/L AS CU)	06/23/67-04/23/68	0	8	
OBRI0105	No	01042	COPPER, TOTAL (UG/L AS CU)	11/16/79-09/30/80	0	6	
OBRI0106	No	01042	COPPER, TOTAL (UG/L AS CU)	06/23/67-04/23/68	0	8	
OBRI0113	No	01042	COPPER, TOTAL (UG/L AS CU)	09/28/67-10/16/67	0	2	
OBRI0114	No	01042	COPPER, TOTAL (UG/L AS CU)	10/01/80-10/01/80	0	1	
OBRI0115	No	01042	COPPER, TOTAL (UG/L AS CU)	06/23/67-04/23/68	0	8	
OBRI0116	No	01042	COPPER, TOTAL (UG/L AS CU)	03/29/79-03/29/79	0	1	
OBRI0120	No	01042	COPPER, TOTAL (UG/L AS CU)	12/21/82-12/14/88	5	16	
OBRI0125	No	01042	COPPER, TOTAL (UG/L AS CU)	03/29/79-03/29/79	0	1	
OBRI0128	No	01042	COPPER, TOTAL (UG/L AS CU)	06/23/67-04/23/68	0	8	
OBRI0129	No	01042	COPPER, TOTAL (UG/L AS CU)	03/29/79-03/29/79	0	1	
OBRI0130	No	01042	COPPER, TOTAL (UG/L AS CU)	03/29/79-03/29/79	0	1	
OBRI0135	No	01042	COPPER, TOTAL (UG/L AS CU)	10/16/67-04/23/68	0	5	
OBRI0005	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0013	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/06/79-08/18/81	1	3	
OBRI0019	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0041	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/06/79-07/18/80	0	2	
OBRI0059	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/06/79-08/19/81	1	3	
OBRI0082	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0084	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0005	No	01044	IRON, SUSPENDED (UG/L AS FE)	05/24/79-08/18/81	2	5	
OBRI0013	No	01044	IRON, SUSPENDED (UG/L AS FE)	05/24/79-08/18/81	2	8	
OBRI0019	No	01044	IRON, SUSPENDED (UG/L AS FE)	05/23/79-08/19/81	2	5	
OBRI0041	No	01044	IRON, SUSPENDED (UG/L AS FE)	05/23/79-08/18/81	2	5	
OBRI0059	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	05/25/79-08/19/81	2	8	
OBRI0082	No	01044	IRON, SUSPENDED (UG/L AS FE)	05/24/79-08/19/81	2	3	
OBRI0084	No	01044	IRON, SUSPENDED (UG/L AS FE)	05/24/79-08/18/81	2	8	
OBRI0004	No	01045	IRON, TOTAL (UG/L AS FE)	04/29/96-11/18/98	2	13	
OBRI0005	No	01045	IRON, TOTAL (UG/L AS FE)	05/24/79-08/18/81	2	6	
OBRI0007	No	01045	IRON, TOTAL (UG/L AS FE)	09/27/67-04/22/68	0	9	
OBRI0008	No	01045	IRON, TOTAL (UG/L AS FE)	11/22/82-10/11/88	5	18	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0009	No	01045	IRON, TOTAL (UG/L AS FE)	01/21/75-09/13/76	1	14	
OBRI0010	No	01045	IRON, TOTAL (UG/L AS FE)	06/23/67-12/13/76	9	15	
OBRI0012	No	01045	IRON, TOTAL (UG/L AS FE)	09/27/67-04/22/68	0	7	
OBRI0013	No	01045	IRON, TOTAL (UG/L AS FE)	05/24/79-08/18/81	2	8	
OBRI0015	No	01045	IRON, TOTAL (UG/L AS FE)	10/27/66-09/08/76	9	13	
OBRI0017	No	01045	IRON, TOTAL (UG/L AS FE)	06/23/67-12/08/76	9	16	
OBRI0019	No	01045	IRON, TOTAL (UG/L AS FE)	05/23/79-08/19/81	2	6	
OBRI0020	No	01045	IRON, TOTAL (UG/L AS FE)	05/13/98-12/01/98	0	3	
OBRI0023	Yes	01045	IRON, TOTAL (UG/L AS FE)	11/16/79-09/30/80	0	6	
OBRI0025	Yes	01045	IRON, TOTAL (UG/L AS FE)	06/26/79-06/26/79	0	1	
OBRI0026	Yes	01045	IRON, TOTAL (UG/L AS FE)	06/26/79-06/26/79	0	1	
OBRI0027	Yes	01045	IRON, TOTAL (UG/L AS FE)	11/16/79-09/30/80	0	6	
OBRI0028	No	01045	IRON, TOTAL (UG/L AS FE)	10/15/79-10/15/79	0	1	
OBRI0030	No	01045	IRON, TOTAL (UG/L AS FE)	06/26/79-06/26/79	0	1	
OBRI0031	Yes	01045	IRON, TOTAL (UG/L AS FE)	06/26/79-06/26/79	0	1	
OBRI0032	Yes	01045	IRON, TOTAL (UG/L AS FE)	09/27/67-12/05/67	0	8	
OBRI0034	No	01045	IRON, TOTAL (UG/L AS FE)	10/15/79-10/15/79	0	1	
OBRI0036	Yes	01045	IRON, TOTAL (UG/L AS FE)	06/26/79-06/26/79	0	1	
OBRI0037	Yes	01045	IRON, TOTAL (UG/L AS FE)	11/16/79-09/30/80	0	6	
OBRI0038	Yes	01045	IRON, TOTAL (UG/L AS FE)	06/26/79-06/26/79	0	1	
OBRI0040	No	01045	IRON, TOTAL (UG/L AS FE)	10/15/79-10/15/79	0	1	
OBRI0041	No	01045	IRON, TOTAL (UG/L AS FE)	05/23/79-08/18/81	2	6	
OBRI0043	No	01045	IRON, TOTAL (UG/L AS FE)	05/13/98-12/01/98	0	3	
OBRI0044	No	01045	IRON, TOTAL (UG/L AS FE)	08/03/80-08/03/80	0	1	
OBRI0045	No	01045	IRON, TOTAL (UG/L AS FE)	06/26/79-06/26/79	0	1	
OBRI0047	No	01045	IRON, TOTAL (UG/L AS FE)	10/15/79-10/15/79	0	1	
OBRI0049	Yes	01045	IRON, TOTAL (UG/L AS FE)	11/16/79-09/30/80	0	6	
OBRI0051	Yes	01045	IRON, TOTAL (UG/L AS FE)	06/23/67-04/01/96	28	13	
OBRI0053	No	01045	IRON, TOTAL (UG/L AS FE)	06/22/80-06/22/80	0	1	
OBRI0054	Yes	01045	IRON, TOTAL (UG/L AS FE)	04/17/96-11/24/98	2	13	
OBRI0055	Yes	01045	IRON, TOTAL (UG/L AS FE)	11/16/79-09/30/80	0	7	
OBRI0058	Yes	01045	IRON, TOTAL (UG/L AS FE)	09/28/67-04/23/68	0	9	
OBRI0059	Yes	01045	IRON, TOTAL (UG/L AS FE)	05/25/79-08/19/81	2	10	
OBRI0064	Yes	01045	IRON, TOTAL (UG/L AS FE)	11/16/79-09/30/80	0	5	
OBRI0066	No	01045	IRON, TOTAL (UG/L AS FE)	08/21/96-11/24/98	2	11	
OBRI0067	No	01045	IRON, TOTAL (UG/L AS FE)	08/21/96-12/04/97	1	9	
OBRI0068	No	01045	IRON, TOTAL (UG/L AS FE)	06/26/79-06/26/79	0	1	
OBRI0069	No	01045	IRON, TOTAL (UG/L AS FE)	09/28/67-04/23/68	0	7	
OBRI0070	No	01045	IRON, TOTAL (UG/L AS FE)	11/16/79-09/30/80	0	6	
OBRI0073	No	01045	IRON, TOTAL (UG/L AS FE)	03/02/80-03/02/80	0	1	
OBRI0077	Yes	01045	IRON, TOTAL (UG/L AS FE)	11/16/79-09/30/80	0	6	
OBRI0079	Yes	01045	IRON, TOTAL (UG/L AS FE)	06/22/80-06/22/80	0	1	
OBRI0080	No	01045	IRON, TOTAL (UG/L AS FE)	08/20/96-12/03/97	1	9	
OBRI0082	No	01045	IRON, TOTAL (UG/L AS FE)	05/24/79-08/19/81	2	4	
OBRI0083	No	01045	IRON, TOTAL (UG/L AS FE)	07/31/80-07/31/80	0	1	
OBRI0084	No	01045	IRON, TOTAL (UG/L AS FE)	05/24/79-08/18/81	2	9	
OBRI0085	No	01045	IRON, TOTAL (UG/L AS FE)	06/23/67-04/23/68	0	10	
OBRI0086	No	01045	IRON, TOTAL (UG/L AS FE)	05/28/80-05/28/80	0	1	
OBRI0087	No	01045	IRON, TOTAL (UG/L AS FE)	05/28/80-05/28/80	0	1	
OBRI0090	Yes	01045	IRON, TOTAL (UG/L AS FE)	11/16/79-09/30/80	0	6	
OBRI0094	No	01045	IRON, TOTAL (UG/L AS FE)	06/21/80-06/21/80	0	1	
OBRI0096	Yes	01045	IRON, TOTAL (UG/L AS FE)	08/21/96-12/04/97	1	9	
OBRI0098	Yes	01045	IRON, TOTAL (UG/L AS FE)	11/16/79-09/30/80	0	6	
OBRI0099	Yes	01045	IRON, TOTAL (UG/L AS FE)	03/29/79-03/29/79	0	1	
OBRI0100	Yes	01045	IRON, TOTAL (UG/L AS FE)	09/28/67-04/23/68	0	7	
OBRI0103	No	01045	IRON, TOTAL (UG/L AS FE)	06/23/67-04/23/68	0	10	
OBRI0105	No	01045	IRON, TOTAL (UG/L AS FE)	02/29/80-09/30/80	0	5	
OBRI0106	No	01045	IRON, TOTAL (UG/L AS FE)	06/23/67-03/17/76	8	12	
OBRI0107	No	01045	IRON, TOTAL (UG/L AS FE)	11/05/73-09/04/74	0	12	
OBRI0110	No	01045	IRON, TOTAL (UG/L AS FE)	09/05/91-09/05/91	0	1	
OBRI0113	No	01045	IRON, TOTAL (UG/L AS FE)	09/28/67-11/09/67	0	3	
OBRI0114	No	01045	IRON, TOTAL (UG/L AS FE)	10/01/80-10/01/80	0	1	
OBRI0115	No	01045	IRON, TOTAL (UG/L AS FE)	06/23/67-03/24/69	1	11	
OBRI0116	No	01045	IRON, TOTAL (UG/L AS FE)	03/29/79-03/29/79	0	1	
OBRI0120	No	01045	IRON, TOTAL (UG/L AS FE)	12/21/82-12/14/88	5	16	
OBRI0123	No	01045	IRON, TOTAL (UG/L AS FE)	10/14/75-09/08/76	0	13	
OBRI0124	No	01045	IRON, TOTAL (UG/L AS FE)	10/06/76-12/08/76	0	3	
OBRI0125	No	01045	IRON, TOTAL (UG/L AS FE)	03/29/79-03/29/79	0	1	
OBRI0128	No	01045	IRON, TOTAL (UG/L AS FE)	06/23/67-04/23/68	0	10	
OBRI0129	No	01045	IRON, TOTAL (UG/L AS FE)	03/29/79-03/29/79	0	1	
OBRI0130	No	01045	IRON, TOTAL (UG/L AS FE)	03/29/79-03/29/79	0	1	
OBRI0135	No	01045	IRON, TOTAL (UG/L AS FE)	09/28/67-04/23/68	0	6	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0005	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/23/65-08/18/81	16	26	S
OBRI0007	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/27/67-02/14/68	0	9	
OBRI0009	No	01046	IRON, DISSOLVED (UG/L AS FE)	01/21/75-09/13/76	1	14	
OBRI0010	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/18/76-12/13/76	0	3	
OBRI0011	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/67-02/14/68	0	11	
OBRI0012	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/27/67-12/05/67	0	6	
OBRI0013	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/24/79-08/18/81	2	9	
OBRI0015	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/22/65-09/08/76	11	30	
OBRI0016	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/67-02/14/68	0	11	
OBRI0017	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/11/76-12/08/76	0	4	
OBRI0019	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/23/79-08/19/81	2	6	
OBRI0021	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/26/96-06/26/96	0	1	
OBRI0032	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/27/67-02/14/68	0	9	
OBRI0041	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/23/79-08/18/81	2	6	
OBRI0046	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	05/23/65-05/23/68	3	19	
OBRI0050	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	05/22/65-10/06/65	0	2	
OBRI0051	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/67-02/14/68	0	11	
OBRI0058	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/28/67-02/14/68	0	9	
OBRI0059	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/06/66-08/19/81	14	14	
OBRI0063	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/22/65-10/06/65	0	2	
OBRI0069	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/28/67-02/12/68	0	7	
OBRI0072	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	07/22/96-07/22/96	0	1	
OBRI0081	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/22/65-05/22/65	0	1	
OBRI0082	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/24/79-08/19/81	2	4	
OBRI0084	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/22/65-08/18/81	16	11	
OBRI0085	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/25/67-02/12/68	0	9	
OBRI0091	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	07/25/96-07/25/96	0	1	
OBRI0100	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/28/67-02/12/68	0	7	
OBRI0103	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/25/67-02/12/68	0	9	
OBRI0106	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/25/67-03/17/76	8	11	
OBRI0113	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/16/67-11/09/67	0	2	
OBRI0115	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/25/67-03/24/69	1	10	
OBRI0122	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/06/76-12/08/76	0	3	
OBRI0123	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/14/75-09/08/76	0	13	
OBRI0128	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/25/67-02/12/68	0	9	
OBRI0135	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/16/67-02/12/68	0	5	
OBRI0007	No	01047	IRON, FERROUS (UG/L AS FE)	09/27/67-04/22/68	0	10	
OBRI0011	No	01047	IRON, FERROUS (UG/L AS FE)	07/28/67-04/22/68	0	8	
OBRI0012	No	01047	IRON, FERROUS (UG/L AS FE)	09/27/67-04/22/68	0	8	
OBRI0016	No	01047	IRON, FERROUS (UG/L AS FE)	07/28/67-04/22/68	0	12	
OBRI0032	Yes	01047	IRON, FERROUS (UG/L AS FE)	09/27/67-04/22/68	0	9	
OBRI0051	Yes	01047	IRON, FERROUS (UG/L AS FE)	08/16/67-04/23/68	0	11	
OBRI0058	Yes	01047	IRON, FERROUS (UG/L AS FE)	09/28/67-04/23/68	0	10	
OBRI0069	No	01047	IRON, FERROUS (UG/L AS FE)	09/28/67-04/23/68	0	8	
OBRI0085	No	01047	IRON, FERROUS (UG/L AS FE)	07/25/67-04/23/68	0	10	
OBRI0100	Yes	01047	IRON, FERROUS (UG/L AS FE)	09/28/67-04/23/68	0	8	
OBRI0103	No	01047	IRON, FERROUS (UG/L AS FE)	07/25/67-04/23/68	0	10	
OBRI0106	No	01047	IRON, FERROUS (UG/L AS FE)	07/25/67-04/23/68	0	9	
OBRI0113	No	01047	IRON, FERROUS (UG/L AS FE)	09/28/67-11/09/67	0	3	
OBRI0115	No	01047	IRON, FERROUS (UG/L AS FE)	07/25/67-03/24/69	1	11	
OBRI0128	No	01047	IRON, FERROUS (UG/L AS FE)	07/25/67-04/23/68	0	9	
OBRI0135	No	01047	IRON, FERROUS (UG/L AS FE)	09/28/67-04/23/68	0	7	
OBRI0051	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	04/01/96-04/01/96	0	1	
OBRI0004	No	01051	LEAD, TOTAL (UG/L AS PB)	04/29/96-11/18/98	2	13	
OBRI0005	No	01051	LEAD, TOTAL (UG/L AS PB)	08/18/81-08/18/81	0	1	
OBRI0008	No	01051	LEAD, TOTAL (UG/L AS PB)	11/22/82-10/11/88	5	19	
OBRI0013	No	01051	LEAD, TOTAL (UG/L AS PB)	08/18/81-08/18/81	0	1	
OBRI0015	No	01051	LEAD, TOTAL (UG/L AS PB)	11/12/75-05/12/76	0	3	
OBRI0017	No	01051	LEAD, TOTAL (UG/L AS PB)	08/11/76-11/03/76	0	2	
OBRI0019	No	01051	LEAD, TOTAL (UG/L AS PB)	08/19/81-08/19/81	0	1	
OBRI0020	No	01051	LEAD, TOTAL (UG/L AS PB)	05/13/98-12/01/98	0	3	
OBRI0023	Yes	01051	LEAD, TOTAL (UG/L AS PB)	02/29/80-09/30/80	0	5	
OBRI0027	Yes	01051	LEAD, TOTAL (UG/L AS PB)	02/29/80-09/30/80	0	5	
OBRI0028	No	01051	LEAD, TOTAL (UG/L AS PB)	10/15/79-10/15/79	0	1	
OBRI0034	No	01051	LEAD, TOTAL (UG/L AS PB)	10/15/79-10/15/79	0	1	
OBRI0037	Yes	01051	LEAD, TOTAL (UG/L AS PB)	02/29/80-09/30/80	0	5	
OBRI0040	No	01051	LEAD, TOTAL (UG/L AS PB)	10/15/79-10/15/79	0	1	
OBRI0041	No	01051	LEAD, TOTAL (UG/L AS PB)	08/18/81-08/18/81	0	1	
OBRI0043	No	01051	LEAD, TOTAL (UG/L AS PB)	05/13/98-12/01/98	0	3	
OBRI0044	No	01051	LEAD, TOTAL (UG/L AS PB)	08/03/80-08/03/80	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0047	No	01051	LEAD, TOTAL (UG/L AS PB)	10/15/79-10/15/79	0	1	
OBRI0049	Yes	01051	LEAD, TOTAL (UG/L AS PB)	02/29/80-09/30/80	0	5	
OBRI0051	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/01/96-04/01/96	0	1	
OBRI0053	No	01051	LEAD, TOTAL (UG/L AS PB)	06/22/80-06/22/80	0	1	
OBRI0054	Yes	01051	LEAD, TOTAL (UG/L AS PB)	04/17/96-11/24/98	2	13	
OBRI0055	Yes	01051	LEAD, TOTAL (UG/L AS PB)	02/29/80-09/30/80	0	6	
OBRI0059	Yes	01051	LEAD, TOTAL (UG/L AS PB)	08/19/81-08/19/81	0	1	
OBRI0064	Yes	01051	LEAD, TOTAL (UG/L AS PB)	02/29/80-09/30/80	0	4	
OBRI0066	No	01051	LEAD, TOTAL (UG/L AS PB)	08/21/96-11/24/98	2	11	
OBRI0067	No	01051	LEAD, TOTAL (UG/L AS PB)	08/21/96-12/04/97	1	9	
OBRI0070	No	01051	LEAD, TOTAL (UG/L AS PB)	02/29/80-09/30/80	0	5	
OBRI0073	No	01051	LEAD, TOTAL (UG/L AS PB)	03/02/80-03/02/80	0	1	
OBRI0077	Yes	01051	LEAD, TOTAL (UG/L AS PB)	02/29/80-09/30/80	0	5	
OBRI0079	Yes	01051	LEAD, TOTAL (UG/L AS PB)	06/22/80-06/22/80	0	1	
OBRI0080	No	01051	LEAD, TOTAL (UG/L AS PB)	08/20/96-12/03/97	1	9	
OBRI0082	No	01051	LEAD, TOTAL (UG/L AS PB)	08/19/81-08/19/81	0	1	
OBRI0083	No	01051	LEAD, TOTAL (UG/L AS PB)	07/31/80-07/31/80	0	1	
OBRI0084	No	01051	LEAD, TOTAL (UG/L AS PB)	08/18/81-08/18/81	0	1	
OBRI0086	No	01051	LEAD, TOTAL (UG/L AS PB)	05/28/80-05/28/80	0	1	
OBRI0087	No	01051	LEAD, TOTAL (UG/L AS PB)	05/28/80-05/28/80	0	1	
OBRI0090	Yes	01051	LEAD, TOTAL (UG/L AS PB)	02/29/80-09/30/80	0	5	
OBRI0094	No	01051	LEAD, TOTAL (UG/L AS PB)	06/21/80-06/21/80	0	1	
OBRI0096	Yes	01051	LEAD, TOTAL (UG/L AS PB)	08/21/96-12/04/97	1	9	
OBRI0098	Yes	01051	LEAD, TOTAL (UG/L AS PB)	02/29/80-09/30/80	0	5	
OBRI0099	Yes	01051	LEAD, TOTAL (UG/L AS PB)	03/29/79-03/29/79	0	1	
OBRI0105	No	01051	LEAD, TOTAL (UG/L AS PB)	02/29/80-09/30/80	0	5	
OBRI0114	No	01051	LEAD, TOTAL (UG/L AS PB)	10/01/80-10/01/80	0	1	
OBRI0116	No	01051	LEAD, TOTAL (UG/L AS PB)	03/29/79-03/29/79	0	1	
OBRI0120	No	01051	LEAD, TOTAL (UG/L AS PB)	12/21/82-12/14/88	5	16	
OBRI0125	No	01051	LEAD, TOTAL (UG/L AS PB)	03/29/79-03/29/79	0	1	
OBRI0129	No	01051	LEAD, TOTAL (UG/L AS PB)	03/29/79-03/29/79	0	1	
OBRI0130	No	01051	LEAD, TOTAL (UG/L AS PB)	03/29/79-03/29/79	0	1	
OBRI0005	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0013	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/06/79-08/18/81	1	3	
OBRI0019	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0041	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/06/79-07/18/80	0	2	
OBRI0059	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/06/79-08/19/81	1	3	
OBRI0082	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0084	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0005	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0013	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/06/79-08/18/81	1	3	
OBRI0019	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0041	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/06/79-07/18/80	0	2	
OBRI0059	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/06/79-08/19/81	1	3	
OBRI0082	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0084	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0005	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/24/79-08/18/81	2	6	
OBRI0013	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/24/79-08/18/81	2	9	
OBRI0019	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/23/79-08/19/81	2	6	
OBRI0041	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/23/79-08/18/81	2	6	
OBRI0059	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/25/79-08/19/81	2	10	
OBRI0082	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/24/79-08/19/81	2	4	
OBRI0084	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/24/79-08/18/81	2	9	
OBRI0004	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/29/96-11/18/98	2	13	
OBRI0005	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/24/79-08/18/81	2	6	
OBRI0007	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/27/67-04/22/68	0	5	
OBRI0008	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/22/82-10/11/88	5	18	
OBRI0009	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/21/75-09/13/76	1	13	
OBRI0010	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/67-12/13/76	9	12	
OBRI0012	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/27/67-04/22/68	0	5	
OBRI0013	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/24/79-08/18/81	2	7	
OBRI0015	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/11/75-09/08/76	1	10	
OBRI0017	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/67-12/08/76	9	14	
OBRI0019	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/23/79-08/19/81	2	6	
OBRI0020	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/13/98-12/01/98	0	3	
OBRI0023	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	11/16/79-06/08/80	0	2	
OBRI0024	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	14	85	T
OBRI0025	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	06/26/79-06/26/79	0	1	
OBRI0026	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	06/26/79-06/26/79	0	1	
OBRI0027	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	11/16/79-06/08/80	0	2	
OBRI0028	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/15/79-10/15/79	0	1	
OBRI0030	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/26/79-06/26/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0031	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	06/26/79-06/26/79	0	1	
OBRI0032	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	09/27/67-12/05/67	0	4	
OBRI0033	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	14	103	T
OBRI0034	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/15/79-10/15/79	0	1	
OBRI0035	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	14	102	T
OBRI0036	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	06/26/79-06/26/79	0	1	
OBRI0037	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	11/16/79-06/08/80	0	2	
OBRI0038	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	06/26/79-06/26/79	0	1	
OBRI0040	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/15/79-10/15/79	0	1	
OBRI0041	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/23/79-08/18/81	2	6	
OBRI0042	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/23/65-05/23/65	0	1	
OBRI0043	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/13/98-12/01/98	0	3	
OBRI0045	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/26/79-06/26/79	0	1	
OBRI0047	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/15/79-10/15/79	0	1	
OBRI0048	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	14	100	T
OBRI0049	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	11/16/79-06/08/80	0	2	
OBRI0051	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/67-04/01/96	28	9	
OBRI0054	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	04/17/96-11/24/98	2	13	
OBRI0055	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	11/16/79-06/08/80	0	2	
OBRI0058	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	09/28/67-04/23/68	0	5	
OBRI0059	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	05/25/79-08/19/81	2	9	
OBRI0062	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-06/05/91	8	50	
OBRI0064	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	11/16/79-06/08/80	0	2	
OBRI0066	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/96-11/24/98	2	10	
OBRI0067	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/96-12/04/97	1	8	
OBRI0068	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/26/79-06/26/79	0	1	
OBRI0069	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/28/67-04/23/68	0	5	
OBRI0070	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/16/79-06/08/80	0	2	
OBRI0071	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	14	102	T
OBRI0075	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	14	100	T
OBRI0077	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	11/16/79-06/08/80	0	2	
OBRI0078	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	14	98	T
OBRI0080	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/20/96-12/03/97	1	9	
OBRI0082	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/24/79-08/19/81	2	4	
OBRI0084	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/24/79-08/18/81	2	9	
OBRI0085	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/67-04/23/68	0	8	
OBRI0088	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	14	103	T
OBRI0090	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	11/16/79-06/08/80	0	2	
OBRI0092	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-04/12/90	7	46	
OBRI0096	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/96-12/04/97	1	8	
OBRI0098	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	11/16/79-06/08/80	0	2	
OBRI0099	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	03/29/79-03/29/79	0	1	
OBRI0100	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	09/28/67-04/23/68	0	5	
OBRI0101	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/97-03/17/97	0	1	
OBRI0103	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/67-04/23/68	0	8	
OBRI0104	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	14	101	T
OBRI0105	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/08/80-06/08/80	0	1	
OBRI0106	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/67-03/17/76	8	10	
OBRI0107	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/05/73-09/04/74	0	12	
OBRI0110	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/05/91-09/05/91	0	1	
OBRI0113	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/09/67-11/09/67	0	1	
OBRI0115	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/67-03/24/69	1	9	
OBRI0116	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/29/79-03/29/79	0	1	
OBRI0120	No	01055	MANGANESE, TOTAL (UG/L AS MN)	12/21/82-12/14/88	5	16	
OBRI0123	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/14/75-09/08/76	0	13	
OBRI0124	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/06/76-12/08/76	0	3	
OBRI0125	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/29/79-03/29/79	0	1	
OBRI0128	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/67-04/23/68	0	8	
OBRI0129	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/29/79-03/29/79	0	1	
OBRI0130	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/29/79-03/29/79	0	1	
OBRI0135	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/16/67-04/23/68	0	4	
OBRI0005	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/23/65-08/18/81	16	7	
OBRI0007	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/27/67-02/14/68	0	5	
OBRI0009	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/21/75-09/13/76	1	13	
OBRI0010	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/15/75-12/13/76	1	4	
OBRI0011	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/67-02/14/68	0	7	
OBRI0012	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/27/67-12/05/67	0	4	
OBRI0013	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/24/79-08/18/81	2	9	
OBRI0015	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/22/65-09/08/76	11	11	
OBRI0016	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/67-02/14/68	0	6	
OBRI0017	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/15/75-11/03/76	1	5	
OBRI0019	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/23/79-08/19/81	2	6	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0021	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/26/96-06/26/96	0	1	
OBRI0032	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/17/67-02/14/68	0	4	
OBRI0041	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/23/79-08/18/81	2	6	
OBRI0046	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/30/64-11/29/66	2	5	
OBRI0050	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/22/65-10/06/65	0	2	
OBRI0051	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/67-02/14/68	0	7	
OBRI0058	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/28/67-02/14/68	0	5	
OBRI0059	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/25/79-08/19/81	2	10	
OBRI0063	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/22/65-10/06/65	0	2	
OBRI0069	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/28/67-02/12/68	0	5	
OBRI0072	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/22/96-07/22/96	0	1	
OBRI0081	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/22/65-05/22/65	0	1	
OBRI0082	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/24/79-08/19/81	2	4	
OBRI0084	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/22/65-08/18/81	16	11	
OBRI0085	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/25/67-02/12/68	0	7	
OBRI0089	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/01/86-05/01/86	0	1	
OBRI0091	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/25/96-07/25/96	0	1	
OBRI0100	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/28/67-02/12/68	0	5	
OBRI0103	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/25/67-02/12/68	0	6	
OBRI0106	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/25/67-03/17/76	8	9	
OBRI0109	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/28/86-04/28/86	0	1	
OBRI0111	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/28/86-04/28/86	0	1	
OBRI0115	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/25/67-03/24/69	1	7	
OBRI0122	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/06/76-12/08/76	0	3	
OBRI0123	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/14/75-09/08/76	0	13	
OBRI0128	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/25/67-02/12/68	0	7	
OBRI0135	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/16/67-02/12/68	0	4	
OBRI0051	Yes	01057	THALLIUM, DISSOLVED (UG/L AS TL)	04/01/96-04/01/96	0	1	
OBRI0051	Yes	01059	THALLIUM, TOTAL (UG/L AS TL)	04/01/96-04/01/96	0	1	
OBRI0051	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	04/01/96-04/01/96	0	1	
OBRI0004	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/29/96-04/29/96	0	1	
OBRI0008	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/22/82-10/11/88	5	18	
OBRI0015	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/12/75-05/12/76	0	3	
OBRI0016	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/11/76-11/03/76	0	2	
OBRI0023	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	06/08/80-06/08/80	0	1	
OBRI0037	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	06/08/80-06/08/80	0	1	
OBRI0051	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/01/96-04/01/96	0	1	
OBRI0054	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	04/17/96-04/17/96	0	1	
OBRI0055	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	06/08/80-06/08/80	0	1	
OBRI0064	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	06/08/80-06/08/80	0	1	
OBRI0066	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/21/96-10/06/97	1	8	
OBRI0067	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/21/96-12/04/97	1	9	
OBRI0070	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	06/08/80-06/08/80	0	1	
OBRI0080	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/20/96-12/03/97	1	9	
OBRI0090	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	06/08/80-06/08/80	0	1	
OBRI0096	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	08/21/96-12/04/97	1	9	
OBRI0098	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	06/08/80-06/08/80	0	1	
OBRI0099	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	03/29/79-03/29/79	0	1	
OBRI0105	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/08/80-06/08/80	0	1	
OBRI0116	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/29/79-03/29/79	0	1	
OBRI0120	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/04/84-09/04/84	0	1	
OBRI0125	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/29/79-03/29/79	0	1	
OBRI0129	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/29/79-03/29/79	0	1	
OBRI0130	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/29/79-03/29/79	0	1	
OBRI0051	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	04/01/96-04/01/96	0	1	
OBRI0005	No	01077	SILVER, TOTAL (UG/L AS AG)	08/18/81-08/18/81	0	1	
OBRI0013	No	01077	SILVER, TOTAL (UG/L AS AG)	08/18/81-08/18/81	0	1	
OBRI0015	No	01077	SILVER, TOTAL (UG/L AS AG)	11/12/75-05/12/76	0	3	
OBRI0016	No	01077	SILVER, TOTAL (UG/L AS AG)	11/12/75-11/03/76	0	5	
OBRI0019	No	01077	SILVER, TOTAL (UG/L AS AG)	08/19/81-08/19/81	0	1	
OBRI0041	No	01077	SILVER, TOTAL (UG/L AS AG)	08/18/81-08/18/81	0	1	
OBRI0051	Yes	01077	SILVER, TOTAL (UG/L AS AG)	04/01/96-04/01/96	0	1	
OBRI0059	Yes	01077	SILVER, TOTAL (UG/L AS AG)	08/19/81-08/19/81	0	1	
OBRI0082	No	01077	SILVER, TOTAL (UG/L AS AG)	08/19/81-08/19/81	0	1	
OBRI0084	No	01077	SILVER, TOTAL (UG/L AS AG)	08/18/81-08/18/81	0	1	
OBRI0051	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	04/01/96-04/01/96	0	1	
OBRI0004	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/29/96-11/18/98	2	13	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0005	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/18/81-08/18/81	0	1	
OBRI0007	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/27/67-04/22/68	0	6	
OBRI0008	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/22/82-10/11/88	5	19	
OBRI0010	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/23/67-04/22/68	0	8	
OBRI0012	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/27/67-04/22/68	0	5	
OBRI0013	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/18/81-08/18/81	0	1	
OBRI0015	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/12/75-05/12/76	0	3	
OBRI0017	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/23/67-11/03/76	9	12	
OBRI0019	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/19/81-08/19/81	0	1	
OBRI0020	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/13/98-12/01/98	0	3	
OBRI0023	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	11/16/79-06/08/80	0	4	
OBRI0025	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	06/26/79-06/26/79	0	1	
OBRI0026	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	06/26/79-06/26/79	0	1	
OBRI0027	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	11/16/79-06/08/80	0	4	
OBRI0028	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/15/79-10/15/79	0	1	
OBRI0030	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/26/79-06/26/79	0	1	
OBRI0031	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	06/26/79-06/26/79	0	1	
OBRI0032	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	09/27/67-12/05/67	0	4	
OBRI0034	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/15/79-10/15/79	0	1	
OBRI0036	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	06/26/79-06/26/79	0	1	
OBRI0037	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	11/16/79-06/08/80	0	4	
OBRI0038	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	06/26/79-06/26/79	0	1	
OBRI0040	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/15/79-10/15/79	0	1	
OBRI0041	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/18/81-08/18/81	0	1	
OBRI0043	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/13/98-12/01/98	0	3	
OBRI0044	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/03/80-08/03/80	0	1	
OBRI0045	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/26/79-06/26/79	0	1	
OBRI0047	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/15/79-10/15/79	0	1	
OBRI0049	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	11/16/79-06/08/80	0	4	
OBRI0051	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	06/23/67-04/01/96	28	10	
OBRI0053	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/22/80-06/22/80	0	1	
OBRI0054	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/17/96-11/24/98	2	13	
OBRI0055	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	11/16/79-09/30/80	0	6	
OBRI0058	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	09/28/67-04/23/68	0	5	
OBRI0059	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	08/19/81-08/19/81	0	1	
OBRI0064	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	11/16/79-06/08/80	0	4	
OBRI0066	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/21/96-11/24/98	2	11	
OBRI0067	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/21/96-12/04/97	1	9	
OBRI0068	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/26/79-06/26/79	0	1	
OBRI0069	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/28/67-04/23/68	0	6	
OBRI0070	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/16/79-06/08/80	0	4	
OBRI0073	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/02/80-03/02/80	0	1	
OBRI0077	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	11/16/79-09/30/80	0	6	
OBRI0079	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	06/22/80-06/22/80	0	1	
OBRI0080	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/20/96-12/03/97	1	9	
OBRI0082	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/19/81-08/19/81	0	1	
OBRI0083	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/31/80-07/31/80	0	1	
OBRI0084	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/18/81-08/18/81	0	1	
OBRI0085	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/23/67-04/23/68	0	9	
OBRI0086	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/28/80-05/28/80	0	1	
OBRI0087	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/28/80-05/28/80	0	1	
OBRI0090	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	11/16/79-09/30/80	0	6	
OBRI0094	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/21/80-06/21/80	0	1	
OBRI0096	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	08/21/96-12/04/97	1	9	
OBRI0098	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	11/16/79-06/08/80	0	4	
OBRI0099	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	03/29/79-03/29/79	0	1	
OBRI0100	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	09/28/67-04/23/68	0	6	
OBRI0103	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/23/67-04/23/68	0	9	
OBRI0105	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/16/79-06/08/80	0	4	
OBRI0106	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/23/67-04/23/68	0	9	
OBRI0113	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/28/67-10/16/67	0	2	
OBRI0114	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/01/80-10/01/80	0	1	
OBRI0115	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/23/67-04/23/68	0	9	
OBRI0116	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/29/79-03/29/79	0	1	
OBRI0120	No	01092	ZINC, TOTAL (UG/L AS ZN)	12/21/82-12/14/88	5	16	
OBRI0125	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/29/79-03/29/79	0	1	
OBRI0128	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/23/67-04/23/68	0	9	
OBRI0129	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/29/79-03/29/79	0	1	
OBRI0130	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/29/79-03/29/79	0	1	
OBRI0135	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/16/67-04/23/68	0	6	
OBRI0005	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0013	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/06/79-08/18/81	1	3	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0019	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0041	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/06/79-07/18/80	0	2	
OBRI0059	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/06/79-08/19/81	1	3	
OBRI0082	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0084	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0051	Yes	01097	ANTIMONY, TOTAL (UG/L AS SB)	04/01/96-04/01/96	0	1	
OBRI0005	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/23/65-10/07/65	0	2	
OBRI0008	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/22/82-10/11/88	5	16	
OBRI0015	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/22/65-05/12/76	10	4	
OBRI0016	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/11/76-11/03/76	0	2	
OBRI0023	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/16/79-09/30/80	0	6	
OBRI0025	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/26/79-06/26/79	0	1	
OBRI0026	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/26/79-06/26/79	0	1	
OBRI0027	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/16/79-09/30/80	0	6	
OBRI0028	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/15/79-10/15/79	0	1	
OBRI0030	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/26/79-06/26/79	0	1	
OBRI0031	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/26/79-06/26/79	0	1	
OBRI0034	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/15/79-10/15/79	0	1	
OBRI0036	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/26/79-06/26/79	0	1	
OBRI0037	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/16/79-09/30/80	0	6	
OBRI0038	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/26/79-06/26/79	0	1	
OBRI0040	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/15/79-10/15/79	0	1	
OBRI0042	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/23/65-05/23/65	0	1	
OBRI0044	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/03/80-08/03/80	0	1	
OBRI0045	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/26/79-06/26/79	0	1	
OBRI0046	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/23/65-10/07/65	0	2	
OBRI0047	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/15/79-10/15/79	0	1	
OBRI0049	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/16/79-09/30/80	0	6	
OBRI0050	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/22/65-10/06/65	0	2	
OBRI0051	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/01/96-04/01/96	0	1	
OBRI0053	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/22/80-06/22/80	0	1	
OBRI0055	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/16/79-09/30/80	0	7	
OBRI0063	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/06/65-10/06/65	0	1	
OBRI0064	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/16/79-09/30/80	0	5	
OBRI0066	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/96-10/06/97	1	7	
OBRI0067	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/96-12/04/97	1	8	
OBRI0068	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/26/79-06/26/79	0	1	
OBRI0070	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/16/79-09/30/80	0	6	
OBRI0073	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/02/80-03/02/80	0	1	
OBRI0077	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/16/79-09/30/80	0	6	
OBRI0079	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/22/80-06/22/80	0	1	
OBRI0080	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/20/96-12/03/97	1	9	
OBRI0081	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/22/65-05/22/65	0	1	
OBRI0083	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/31/80-07/31/80	0	1	
OBRI0084	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/22/65-09/28/65	0	2	
OBRI0086	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/28/80-05/28/80	0	1	
OBRI0087	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/28/80-05/28/80	0	1	
OBRI0089	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/01/86-05/01/86	0	1	
OBRI0090	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/16/79-09/30/80	0	6	
OBRI0094	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/21/80-06/21/80	0	1	
OBRI0096	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/96-12/04/97	1	8	
OBRI0098	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/16/79-09/30/80	0	6	
OBRI0099	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/29/79-03/29/79	0	1	
OBRI0105	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	02/29/80-09/30/80	0	5	
OBRI0107	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	11/05/73-01/15/74	0	3	
OBRI0109	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/28/86-04/28/86	0	1	
OBRI0111	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/28/86-04/28/86	0	1	
OBRI0114	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/01/80-10/01/80	0	1	
OBRI0116	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/29/79-03/29/79	0	1	
OBRI0120	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	12/21/82-09/04/84	1	3	
OBRI0125	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/29/79-03/29/79	0	1	
OBRI0130	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/29/79-03/29/79	0	1	
OBRI0050	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/22/65-10/06/65	0	2	
OBRI0015	No	01132	LITHIUM, TOTAL (UG/L AS LI)	11/12/75-05/12/76	0	3	
OBRI0016	No	01132	LITHIUM, TOTAL (UG/L AS LI)	08/11/76-11/03/76	0	2	
OBRI0051	Yes	01142	SILICON, TOTAL (UG/L AS SI)	04/01/96-04/01/96	0	1	
OBRI0005	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/18/81-08/18/81	0	1	
OBRI0013	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/18/81-08/18/81	0	1	
OBRI0015	No	01147	SELENIUM, TOTAL (UG/L AS SE)	11/12/75-05/12/76	0	3	
OBRI0017	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/11/76-11/03/76	0	2	
OBRI0019	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/19/81-08/19/81	0	1	
OBRI0041	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/18/81-08/18/81	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0051	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	04/01/96-04/01/96	0	1	
OBRI0059	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	08/19/81-08/19/81	0	1	
OBRI0082	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/19/81-08/19/81	0	1	
OBRI0084	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/18/81-08/18/81	0	1	
OBRI0005	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0013	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/06/79-08/18/81	1	3	
OBRI0019	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0041	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/06/79-07/18/80	0	2	
OBRI0059	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/06/79-08/19/81	1	3	
OBRI0082	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0084	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0015	No	01152	TITANIUM, TOTAL (UG/L AS TI)	11/12/75-05/12/76	0	3	
OBRI0016	No	01152	TITANIUM, TOTAL (UG/L AS TI)	08/11/76-11/03/76	0	2	
OBRI0005	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0013	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/06/79-08/18/81	1	3	
OBRI0019	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0041	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/06/79-07/18/80	0	2	
OBRI0059	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/06/79-08/19/81	1	3	
OBRI0082	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0084	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0021	No	04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/25/96-07/25/96	0	1	
OBRI0022	No	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	08/03/80-08/03/80	0	1	
OBRI0023	Yes	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	11/16/79-09/30/80	0	4	
OBRI0025	Yes	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	06/26/79-06/26/79	0	1	
OBRI0027	Yes	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	11/16/79-09/30/80	0	4	
OBRI0029	No	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	08/03/80-08/03/80	0	1	
OBRI0030	No	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	06/26/79-06/26/79	0	1	
OBRI0031	Yes	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	06/26/79-06/26/79	0	1	
OBRI0036	Yes	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	06/26/79-06/26/79	0	1	
OBRI0037	Yes	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	11/16/79-09/30/80	0	4	
OBRI0038	Yes	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	06/26/79-06/26/79	0	1	
OBRI0039	No	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	08/03/80-08/03/80	0	1	
OBRI0044	No	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	08/03/80-08/03/80	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0045	No	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	06/26/79-06/26/79	0	1	
OBRI0049	Yes	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	11/16/79-09/30/80	0	4	
OBRI0053	No	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	06/22/80-06/22/80	0	1	
OBRI0055	Yes	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	11/16/79-09/30/80	0	5	
OBRI0060	Yes	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	08/03/80-08/03/80	0	1	
OBRI0064	Yes	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	11/16/79-09/30/80	0	3	
OBRI0068	No	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	06/26/79-06/26/79	0	1	
OBRI0070	No	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	11/16/79-09/30/80	0	4	
OBRI0077	Yes	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	11/16/79-09/30/80	0	4	
OBRI0079	Yes	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	06/22/80-06/22/80	0	1	
OBRI0083	No	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	07/31/80-07/31/80	0	1	
OBRI0086	No	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	05/28/80-05/28/80	0	1	
OBRI0087	No	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	05/28/80-05/28/80	0	1	
OBRI0090	Yes	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	11/16/79-09/30/80	0	4	
OBRI0094	No	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	06/21/80-06/21/80	0	1	
OBRI0098	Yes	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	11/16/79-09/30/80	0	4	
OBRI0105	No	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	11/16/79-09/30/80	0	4	
OBRI0114	No	30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	10/01/80-10/01/80	0	1	
OBRI0015	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/12/75-09/08/76	0	6	
OBRI0032	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/06/71-11/02/71	0	5	
OBRI0058	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/06/71-11/02/71	0	5	
OBRI0074	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/23/67-06/23/67	0	1	
OBRI0085	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/06/71-11/02/71	0	5	
OBRI0103	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/06/71-11/02/71	0	5	
OBRI0106	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/23/67-02/10/76	8	7	
OBRI0112	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/06/71-11/02/71	0	5	
OBRI0113	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/28/67-11/09/67	0	2	
OBRI0115	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/23/67-11/02/71	4	11	
OBRI0118	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/23/67-11/07/67	0	5	
OBRI0121	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/23/67-11/07/67	0	5	
OBRI0123	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/19/75-07/21/76	0	7	
OBRI0124	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/01/71-10/06/76	5	11	
OBRI0128	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/23/67-11/02/71	4	11	
OBRI0133	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/23/67-11/07/67	0	5	
OBRI0134	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/25/67-11/07/67	0	4	
OBRI0135	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/28/67-11/02/71	4	6	
OBRI0024	Yes	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/10/83-05/21/87	4	19	
OBRI0033	Yes	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/10/83-04/11/88	4	24	
OBRI0035	Yes	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	07/18/83-04/11/88	4	6	
OBRI0048	Yes	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/10/83-04/11/88	4	25	
OBRI0052	Yes	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	03/25/97-03/25/97	0	1	
OBRI0062	Yes	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/10/83-04/11/88	4	22	
OBRI0071	No	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/10/83-04/11/88	4	25	
OBRI0075	Yes	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/10/83-04/11/88	4	25	
OBRI0078	Yes	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/10/83-04/11/88	4	24	
OBRI0088	No	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/10/83-04/11/88	4	24	
OBRI0092	Yes	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/10/83-04/11/88	4	22	
OBRI0101	Yes	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/10/83-04/11/88	4	23	
OBRI0104	No	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/10/83-04/11/88	4	23	
OBRI0007	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	09/27/67-04/22/68	0	6	
OBRI0011	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/23/67-04/22/68	0	9	
OBRI0012	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	09/27/67-04/22/68	0	6	
OBRI0016	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/23/67-04/22/68	0	9	
OBRI0032	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	09/27/67-04/22/68	0	6	
OBRI0051	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/23/67-04/23/68	0	10	
OBRI0058	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	09/28/67-04/23/68	0	7	
OBRI0069	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	09/28/67-04/23/68	0	6	
OBRI0085	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/23/67-04/23/68	0	9	
OBRI0100	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	09/28/67-04/23/68	0	6	
OBRI0103	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/23/67-04/23/68	0	9	
OBRI0106	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/23/67-04/23/68	0	9	
OBRI0115	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/23/67-04/23/68	0	9	
OBRI0128	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/23/67-04/23/68	0	9	
OBRI0135	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	10/16/67-04/23/68	0	5	
OBRI0023	Yes	31611	FECAL COLIFORM, MF, M-TEC #/100ML	11/16/79-11/16/79	0	1	
OBRI0027	Yes	31611	FECAL COLIFORM, MF, M-TEC #/100ML	11/16/79-11/16/79	0	1	
OBRI0037	Yes	31611	FECAL COLIFORM, MF, M-TEC #/100ML	11/16/79-11/16/79	0	1	
OBRI0049	Yes	31611	FECAL COLIFORM, MF, M-TEC #/100ML	11/16/79-11/16/79	0	1	
OBRI0055	Yes	31611	FECAL COLIFORM, MF, M-TEC #/100ML	11/16/79-11/16/79	0	1	
OBRI0064	Yes	31611	FECAL COLIFORM, MF, M-TEC #/100ML	11/16/79-11/16/79	0	1	
OBRI0070	No	31611	FECAL COLIFORM, MF, M-TEC #/100ML	11/16/79-11/16/79	0	1	
OBRI0077	Yes	31611	FECAL COLIFORM, MF, M-TEC #/100ML	11/16/79-11/16/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0090	Yes	31611	FECAL COLIFORM, MF, M-TEC #/100ML	11/16/79-11/16/79	0	1	
OBRI0098	Yes	31611	FECAL COLIFORM, MF, M-TEC #/100ML	11/16/79-11/16/79	0	1	
OBRI0105	No	31611	FECAL COLIFORM, MF, M-TEC #/100ML	11/16/79-11/16/79	0	1	
OBRI0023	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/16/79-09/30/80	0	4	
OBRI0027	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/16/79-09/30/80	0	4	
OBRI0037	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/16/79-09/30/80	0	4	
OBRI0049	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/16/79-09/30/80	0	4	
OBRI0053	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/22/80-06/22/80	0	1	
OBRI0055	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/16/79-09/30/80	0	5	
OBRI0064	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/16/79-09/30/80	0	4	
OBRI0070	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/16/79-09/30/80	0	4	
OBRI0073	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	03/02/80-03/02/80	0	1	
OBRI0077	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/16/79-09/30/80	0	5	
OBRI0079	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/22/80-06/22/80	0	1	
OBRI0083	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	07/31/80-07/31/80	0	1	
OBRI0086	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/28/80-05/28/80	0	1	
OBRI0087	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/28/80-05/28/80	0	1	
OBRI0090	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/16/79-09/30/80	0	4	
OBRI0094	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/21/80-06/21/80	0	1	
OBRI0098	Yes	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/16/79-09/30/80	0	4	
OBRI0105	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/16/79-09/30/80	0	4	
OBRI0114	No	31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	10/01/80-10/01/80	0	1	
OBRI0007	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/27/67-04/22/68	0	6	
OBRI0011	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/22/68	0	9	
OBRI0012	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/27/67-04/22/68	0	6	
OBRI0016	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/22/68	0	9	
OBRI0032	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/27/67-04/22/68	0	6	
OBRI0051	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/23/68	0	10	
OBRI0058	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/28/67-04/23/68	0	7	
OBRI0069	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/28/67-04/23/68	0	6	
OBRI0085	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/23/68	0	9	
OBRI0100	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/28/67-04/23/68	0	6	
OBRI0103	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/23/68	0	9	
OBRI0106	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/23/68	0	9	
OBRI0115	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/23/68	0	9	
OBRI0128	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/23/68	0	9	
OBRI0135	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/16/67-04/23/68	0	5	
OBRI0004	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/29/96-11/18/98	2	12	
OBRI0008	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/88-10/11/88	0	2	
OBRI0009	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/09/76-08/03/76	0	2	
OBRI0010	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/13/76-10/13/76	0	1	
OBRI0015	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/12/75-09/08/76	0	11	
OBRI0017	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/11/76-11/03/76	0	4	
OBRI0020	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/13/98-12/01/98	0	3	
OBRI0024	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	14	62	
OBRI0032	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/06/71-11/02/71	0	5	
OBRI0033	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	14	79	
OBRI0035	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/18/83-05/19/97	13	64	
OBRI0043	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/13/98-12/01/98	0	3	
OBRI0048	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	14	81	T
OBRI0054	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/17/96-11/24/98	2	12	
OBRI0058	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/06/71-11/02/71	0	5	
OBRI0062	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-06/05/91	8	30	
OBRI0066	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/21/96-11/24/98	2	10	
OBRI0067	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/21/96-12/04/97	1	8	
OBRI0071	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	14	82	T
OBRI0074	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/23/67-06/23/67	0	1	
OBRI0075	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	14	83	T
OBRI0078	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	14	76	
OBRI0080	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/20/96-12/03/97	1	8	
OBRI0085	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/06/71-11/02/71	0	5	
OBRI0088	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	14	82	T
OBRI0092	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-04/12/90	6	25	
OBRI0096	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/21/96-12/04/97	1	8	
OBRI0101	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	14	76	
OBRI0103	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/06/71-11/02/71	0	5	
OBRI0104	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	14	74	
OBRI0106	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/23/67-02/10/76	8	7	
OBRI0112	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/06/71-11/02/71	0	5	
OBRI0113	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/28/67-11/09/67	0	3	
OBRI0115	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/23/67-11/02/71	4	12	
OBRI0118	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/23/67-11/07/67	0	6	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0120	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/88-12/14/88	0	2	
OBRI0121	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/23/67-11/07/67	0	6	
OBRI0123	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/19/75-09/08/76	0	13	
OBRI0124	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/01/71-12/08/76	5	10	
OBRI0128	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/23/67-11/02/71	4	12	
OBRI0133	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/23/67-11/07/67	0	6	
OBRI0134	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/25/67-11/07/67	0	5	
OBRI0135	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/28/67-11/02/71	4	7	
OBRI0021	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	06/26/96-06/26/96	0	1	
OBRI0052	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	03/13/97-03/13/97	0	1	
OBRI0072	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/24/96-07/24/96	0	1	
OBRI0076	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/22/96-07/22/96	0	1	
OBRI0091	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/23/96-07/23/96	0	1	
OBRI0097	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/25/96-07/25/96	0	1	
OBRI0024	Yes	31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	14	55	
OBRI0033	Yes	31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	14	75	
OBRI0035	Yes	31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	10/29/87-05/19/97	9	62	
OBRI0048	Yes	31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	14	73	
OBRI0062	Yes	31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-06/05/91	8	25	
OBRI0071	No	31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	14	76	
OBRI0075	Yes	31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	14	75	
OBRI0078	Yes	31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	14	72	
OBRI0088	No	31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	09/19/83-05/19/97	13	76	
OBRI0092	Yes	31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-04/12/90	6	23	
OBRI0101	Yes	31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	14	72	
OBRI0104	No	31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	14	71	
OBRI0021	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/26/96-06/26/96	0	1	
OBRI0023	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	0	2	
OBRI0027	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	0	2	
OBRI0037	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	0	2	
OBRI0049	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	0	2	
OBRI0053	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/22/80-06/22/80	0	1	
OBRI0055	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-06/21/80	0	3	
OBRI0064	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	0	2	
OBRI0070	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	0	2	
OBRI0072	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/24/96-07/24/96	0	1	
OBRI0073	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/02/80-03/02/80	0	1	
OBRI0076	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/22/96-07/22/96	0	1	
OBRI0077	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-06/21/80	0	3	
OBRI0079	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/22/80-06/22/80	0	1	
OBRI0083	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/31/80-07/31/80	0	1	
OBRI0086	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/28/80-05/28/80	0	1	
OBRI0087	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/28/80-05/28/80	0	1	
OBRI0090	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/03/80-06/21/80	0	2	
OBRI0091	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/23/96-07/23/96	0	1	
OBRI0094	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/21/80-06/21/80	0	1	
OBRI0097	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/25/96-07/25/96	0	1	
OBRI0098	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	0	2	
OBRI0105	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	0	2	
OBRI0114	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/01/80-10/01/80	0	1	
OBRI0004	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/27/98-11/18/98	0	4	
OBRI0008	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/88-10/11/88	0	2	
OBRI0020	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/13/98-12/01/98	0	3	
OBRI0043	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/13/98-12/01/98	0	3	
OBRI0054	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/27/98-11/24/98	0	4	
OBRI0066	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/21/96-11/24/98	2	10	
OBRI0067	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/21/96-12/04/97	1	8	
OBRI0080	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/20/96-12/03/97	1	9	
OBRI0096	Yes	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/21/96-12/04/97	1	8	
OBRI0120	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/88-12/14/88	0	2	
OBRI0051	Yes	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	32104	BROMOFORM,WHOLE WATER,UG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	32106	CHLOROFORM,WHOLE WATER,UG/L	04/01/96-04/01/96	0	1	
OBRI0110	No	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	06/19/91-12/11/91	0	3	
OBRI0120	No	32240	TANNIN AND LIGNIN (MG/L)	03/12/86-03/12/86	0	1	
OBRI0051	Yes	34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34200	ACENAPHTHYLENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34205	ACENAPHTHENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34210	ACROLEIN TOTWUG/L	04/01/96-04/01/96	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0051	Yes	34215	ACRYLONITRILE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34220	ANTHRACENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34247	BENZO-A-PYRENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0021	No	34253	A-BHC-ALPHA DISSUG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	34253	A-BHC-ALPHA DISSUG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	34253	A-BHC-ALPHA DISSUG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	34253	A-BHC-ALPHA DISSUG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	34253	A-BHC-ALPHA DISSUG/L	07/25/96-07/25/96	0	1	
OBRI0051	Yes	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34301	CHLOROBENZENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34311	CHLOROETHANE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34320	CHRYSENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34336	DIETHYL PHTHALATE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34341	DIMETHYL PHTHALATE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34351	ENDOSULFAN SULFATE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34356	ENDOSULFAN, BETA TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34361	ENDOSULFAN, ALPHA TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34366	ENDRIN ALDEHYDE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34371	ETHYLBENZENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34376	FLUORANTHENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34381	FLUORENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34396	HEXACHLOROETHANE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34408	ISOPHORONE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34413	METHYL BROMIDE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34418	METHYL CHLORIDE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34423	METHYLENE CHLORIDE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34433	N-NITROSODIPHENYLAMINE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34447	NITROBENZENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34452	PARACHLOROMETA CRESOL TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34461	PHENANTHRENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34469	PYRENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34475	TETRACHLOROETHYLENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34496	1,1-DICHLOROETHANE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34531	1,2-DICHLOROETHANE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34536	1,2-DICHLOROBENZENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34541	1,2-DICHLOROPROPANE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34566	1,3-DICHLOROBENZENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34571	1,4-DICHLOROBENZENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34581	2-CHLORONAPHTHALENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34586	2-CHLOROPHENOL TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34591	2-NITROPHENOL TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34596	DI-N-OCTYL PHTHALATE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34601	2,4-DICHLOROPHENOL TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34606	2,4-DIMETHYLPHENOL TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34611	2,4-DINITROTOLUENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34616	2,4-DINITROPHENOL TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34626	2,6-DINITROTOLUENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34646	4-NITROPHENOL TOTWUG/L	04/01/96-04/01/96	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0021	No	34653	P,P'-DDE DISSUG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	34653	P,P'-DDE DISSUG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	34653	P,P'-DDE DISSUG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	34653	P,P'-DDE DISSUG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	34653	P,P'-DDE DISSUG/L	07/25/96-07/25/96	0	1	
OBRI0051	Yes	34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34671	PCB - 1016 TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34696	NAPHTHALENE TOTWUG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	04/01/96-04/01/96	0	1	
OBRI0021	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	38478	LINURON WATER,DISSUG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	38478	LINURON WATER,DISSUG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	38478	LINURON WATER,DISSUG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	38478	LINURON WATER,DISSUG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	38478	LINURON WATER,DISSUG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	38482	MCPA WATER,DISSUG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	38482	MCPA WATER,DISSUG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	38482	MCPA WATER,DISSUG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	38482	MCPA WATER,DISSUG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	38482	MCPA WATER,DISSUG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	38487	MCPB WATER,DISSUG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	38487	MCPB WATER,DISSUG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	38487	MCPB WATER,DISSUG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	38487	MCPB WATER,DISSUG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	38487	MCPB WATER,DISSUG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	38501	METHIOCARB WATER,DISSUG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	38501	METHIOCARB WATER,DISSUG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	38501	METHIOCARB WATER,DISSUG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	38501	METHIOCARB WATER,DISSUG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	38501	METHIOCARB WATER,DISSUG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	38538	PROPOXUR WATER,DISSUG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	38538	PROPOXUR WATER,DISSUG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	38538	PROPOXUR WATER,DISSUG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	38538	PROPOXUR WATER,DISSUG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	38538	PROPOXUR WATER,DISSUG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	38711	BENTAZON WATER, DISUG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	38711	BENTAZON WATER, DISUG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	38711	BENTAZON WATER, DISUG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	38711	BENTAZON WATER, DISUG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	38711	BENTAZON WATER, DISUG/L	07/25/96-07/25/96	0	1	
OBRI0023	Yes	38745	2,4-DB WATER, TOTUG/L	06/08/80-06/08/80	0	1	
OBRI0027	Yes	38745	2,4-DB WATER, TOTUG/L	06/08/80-06/08/80	0	1	
OBRI0037	Yes	38745	2,4-DB WATER, TOTUG/L	06/08/80-06/08/80	0	1	
OBRI0049	Yes	38745	2,4-DB WATER, TOTUG/L	06/08/80-06/08/80	0	1	
OBRI0055	Yes	38745	2,4-DB WATER, TOTUG/L	06/08/80-06/08/80	0	1	
OBRI0064	Yes	38745	2,4-DB WATER, TOTUG/L	06/08/80-06/08/80	0	1	
OBRI0070	No	38745	2,4-DB WATER, TOTUG/L	06/08/80-06/08/80	0	1	
OBRI0077	Yes	38745	2,4-DB WATER, TOTUG/L	06/08/80-06/08/80	0	1	
OBRI0090	Yes	38745	2,4-DB WATER, TOTUG/L	06/08/80-06/08/80	0	1	
OBRI0098	Yes	38745	2,4-DB WATER, TOTUG/L	06/08/80-06/08/80	0	1	
OBRI0105	No	38745	2,4-DB WATER, TOTUG/L	06/08/80-06/08/80	0	1	
OBRI0021	No	38746	2,4-DB WATER, DISUG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	38746	2,4-DB WATER, DISUG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	38746	2,4-DB WATER, DISUG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	38746	2,4-DB WATER, DISUG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	38746	2,4-DB WATER, DISUG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	38811	FLUOMETURON WATER, DISUG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	38811	FLUOMETURON WATER, DISUG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	38811	FLUOMETURON WATER, DISUG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	38811	FLUOMETURON WATER, DISUG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	38811	FLUOMETURON WATER, DISUG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	38866	OXAMYL WATER, DISUG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	38866	OXAMYL WATER, DISUG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	38866	OXAMYL WATER, DISUG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	38866	OXAMYL WATER, DISUG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	38866	OXAMYL WATER, DISUG/L	07/25/96-07/25/96	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0021	No	38933	CHLORPYRIFOS,DISSOLVED UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	38933	CHLORPYRIFOS,DISSOLVED UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	38933	CHLORPYRIFOS,DISSOLVED UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	38933	CHLORPYRIFOS,DISSOLVED UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	38933	CHLORPYRIFOS,DISSOLVED UG/L	07/25/96-07/25/96	0	1	
OBRI0051	Yes	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	04/01/96-04/01/96	0	1	
OBRI0021	No	39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	06/26/96-06/26/96	0	1	
OBRI0052	Yes	39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	03/13/97-03/25/97	0	2	
OBRI0072	No	39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	07/25/96-07/25/96	0	1	
OBRI0051	Yes	39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	04/01/96-04/01/96	0	1	
OBRI0051	Yes	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/01/96-04/01/96	0	1	
OBRI0059	Yes	39250	NAPTHALENES, POLYCHLORINATED (UG/L)	08/19/81-08/19/81	0	1	
OBRI0051	Yes	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	04/01/96-04/01/96	0	1	
OBRI0051	Yes	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	04/01/96-04/01/96	0	1	
OBRI0051	Yes	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	04/01/96-04/01/96	0	1	
OBRI0023	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0051	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	04/01/96-04/01/96	0	1	
OBRI0055	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0059	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	0	1	
OBRI0064	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0070	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0105	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0051	Yes	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	04/01/96-04/01/96	0	1	
OBRI0051	Yes	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	04/01/96-04/01/96	0	1	
OBRI0023	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0051	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	04/01/96-04/01/96	0	1	
OBRI0055	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0059	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	08/19/81-08/19/81	0	1	
OBRI0064	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0070	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0105	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0021	No	39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	07/25/96-07/25/96	0	1	
OBRI0023	Yes	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0051	Yes	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	04/01/96-04/01/96	0	1	
OBRI0055	Yes	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0059	Yes	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	08/19/81-08/19/81	0	1	
OBRI0064	Yes	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0070	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0105	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0023	Yes	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0055	Yes	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0059	Yes	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	0	1	
OBRI0064	Yes	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0070	No	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0105	No	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0023	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0055	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0059	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	0	1	
OBRI0064	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0070	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0105	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0023	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0055	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0059	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	0	1	
OBRI0064	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0070	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0105	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0023	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0051	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	04/01/96-04/01/96	0	1	
OBRI0055	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0059	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	0	1	
OBRI0064	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0070	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0105	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0021	No	39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	06/26/96-06/26/96	0	1	
OBRI0072	No	39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/96-07/22/96	0	1	
OBRI0091	Yes	39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/25/96-07/25/96	0	1	
OBRI0023	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0051	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	04/01/96-04/01/96	0	1	
OBRI0055	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0059	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	0	1	
OBRI0064	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0070	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0105	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0023	Yes	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0055	Yes	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0059	Yes	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	0	1	
OBRI0064	Yes	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0070	No	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0098	Yes	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0105	No	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0023	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0051	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	04/01/96-04/01/96	0	1	
OBRI0055	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0064	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0070	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0105	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0023	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0051	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	04/01/96-04/01/96	0	1	
OBRI0055	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0059	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	0	1	
OBRI0064	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0070	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0105	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0021	No	39415	METOLACHLOR, WATER, DISSOLVED UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	39415	METOLACHLOR, WATER, DISSOLVED UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	39415	METOLACHLOR, WATER, DISSOLVED UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	39415	METOLACHLOR, WATER, DISSOLVED UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	39415	METOLACHLOR, WATER, DISSOLVED UG/L	07/25/96-07/25/96	0	1	
OBRI0023	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0051	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	04/01/96-04/01/96	0	1	
OBRI0055	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0059	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	0	1	
OBRI0064	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0070	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0105	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0023	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0055	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0059	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	0	1	
OBRI0064	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0070	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0105	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0051	Yes	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	04/01/96-04/01/96	0	1	
OBRI0051	Yes	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	04/01/96-04/01/96	0	1	
OBRI0023	Yes	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0051	Yes	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	04/01/96-04/01/96	0	1	
OBRI0055	Yes	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0064	Yes	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0070	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0105	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0051	Yes	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	04/01/96-04/01/96	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0023	Yes	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0051	Yes	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	04/01/96-04/01/96	0	1	
OBRI0055	Yes	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0064	Yes	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0070	No	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0105	No	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0023	Yes	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0051	Yes	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	04/01/96-04/01/96	0	1	
OBRI0055	Yes	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0064	Yes	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0070	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0105	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	0	1	
OBRI0023	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0055	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0059	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	0	1	
OBRI0064	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0070	No	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0105	No	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0021	No	39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	06/26/96-06/26/96	0	1	
OBRI0072	No	39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/96-07/22/96	0	1	
OBRI0091	Yes	39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/25/96-07/25/96	0	1	
OBRI0023	Yes	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0055	Yes	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0059	Yes	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	0	1	
OBRI0064	Yes	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0070	No	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0105	No	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0021	No	39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	06/26/96-06/26/96	0	1	
OBRI0072	No	39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/96-07/22/96	0	1	
OBRI0091	Yes	39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/25/96-07/25/96	0	1	
OBRI0059	Yes	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	0	1	
OBRI0021	No	39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	06/26/96-06/26/96	0	1	
OBRI0072	No	39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/96-07/22/96	0	1	
OBRI0091	Yes	39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/25/96-07/25/96	0	1	
OBRI0023	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0055	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0059	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	0	1	
OBRI0064	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0070	No	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0077	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0105	No	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0021	No	39632	ATRAZINE DISSOLVED IN WATER PPB	06/26/96-06/26/96	0	1	
OBRI0072	No	39632	ATRAZINE DISSOLVED IN WATER PPB	07/24/96-07/24/96	0	1	
OBRI0076	Yes	39632	ATRAZINE DISSOLVED IN WATER PPB	07/22/96-07/22/96	0	1	
OBRI0091	Yes	39632	ATRAZINE DISSOLVED IN WATER PPB	07/23/96-07/23/96	0	1	
OBRI0097	Yes	39632	ATRAZINE DISSOLVED IN WATER PPB	07/25/96-07/25/96	0	1	
OBRI0051	Yes	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	04/01/96-04/01/96	0	1	
OBRI0051	Yes	39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	04/01/96-04/01/96	0	1	
OBRI0023	Yes	39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0055	Yes	39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0064	Yes	39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0070	No	39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0105	No	39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0023	Yes	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0055	Yes	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0064	Yes	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0070	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0105	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0021	No	39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	06/26/96-06/26/96	0	1	
OBRI0072	No	39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/96-07/22/96	0	1	
OBRI0091	Yes	39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/25/96-07/25/96	0	1	
OBRI0023	Yes	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0055	Yes	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0064	Yes	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0070	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0105	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0021	No	39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	06/26/96-06/26/96	0	1	
OBRI0072	No	39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/96-07/22/96	0	1	
OBRI0091	Yes	39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/25/96-07/25/96	0	1	
OBRI0023	Yes	39755	MIREX, TOTAL (UG/L)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39755	MIREX, TOTAL (UG/L)	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39755	MIREX, TOTAL (UG/L)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39755	MIREX, TOTAL (UG/L)	06/08/80-06/08/80	0	1	
OBRI0055	Yes	39755	MIREX, TOTAL (UG/L)	06/08/80-06/08/80	0	1	
OBRI0059	Yes	39755	MIREX, TOTAL (UG/L)	08/19/81-08/19/81	0	1	
OBRI0064	Yes	39755	MIREX, TOTAL (UG/L)	06/08/80-06/08/80	0	1	
OBRI0070	No	39755	MIREX, TOTAL (UG/L)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39755	MIREX, TOTAL (UG/L)	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39755	MIREX, TOTAL (UG/L)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39755	MIREX, TOTAL (UG/L)	06/08/80-06/08/80	0	1	
OBRI0105	No	39755	MIREX, TOTAL (UG/L)	06/08/80-06/08/80	0	1	
OBRI0023	Yes	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0027	Yes	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0037	Yes	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0049	Yes	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0055	Yes	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0064	Yes	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	

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Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0070	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0077	Yes	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0090	Yes	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0098	Yes	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0105	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	0	1	
OBRI0021	No	39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	06/26/96-06/26/96	0	1	
OBRI0072	No	39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/96-07/22/96	0	1	
OBRI0091	Yes	39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/25/96-07/25/96	0	1	
OBRI0059	Yes	39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	0	1	
OBRI0059	Yes	39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	0	1	
OBRI0021	No	46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	07/25/96-07/25/96	0	1	
OBRI0007	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	09/27/67-04/22/68	0	9	
OBRI0011	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/23/67-12/13/76	9	28	
OBRI0012	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	09/27/67-12/05/67	0	6	
OBRI0016	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/23/67-12/08/76	9	28	
OBRI0032	Yes	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	09/27/67-11/02/71	4	13	
OBRI0051	Yes	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/23/67-04/01/96	28	13	
OBRI0058	Yes	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	09/28/67-11/02/71	4	13	
OBRI0069	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	09/28/67-04/23/68	0	6	
OBRI0085	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/23/67-11/02/71	4	15	
OBRI0100	Yes	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	09/28/67-04/23/68	0	7	
OBRI0103	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/23/67-11/02/71	4	14	
OBRI0106	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/23/67-03/17/76	8	28	
OBRI0112	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	07/06/71-11/02/71	0	5	
OBRI0113	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	09/28/67-11/09/67	0	3	
OBRI0115	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/23/67-11/02/71	4	17	
OBRI0122	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/01/71-12/08/76	5	20	
OBRI0128	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/23/67-11/02/71	4	16	
OBRI0135	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	10/16/67-11/02/71	4	10	
OBRI0006	No	47002	ACIDITY, FREE (METHYL RED) (MG/L AS CACO3)	12/07/73-11/07/74	0	12	
OBRI0014	No	47002	ACIDITY, FREE (METHYL RED) (MG/L AS CACO3)	12/07/73-11/07/74	0	12	
OBRI0018	No	47002	ACIDITY, FREE (METHYL RED) (MG/L AS CACO3)	12/07/73-11/07/74	0	12	
OBRI0056	Yes	47002	ACIDITY, FREE (METHYL RED) (MG/L AS CACO3)	12/07/73-11/07/74	0	12	
OBRI0093	No	47002	ACIDITY, FREE (METHYL RED) (MG/L AS CACO3)	12/07/73-11/07/74	0	12	
OBRI0108	No	47002	ACIDITY, FREE (METHYL RED) (MG/L AS CACO3)	12/07/73-11/07/74	0	12	
OBRI0021	No	49235	TRICLOPYR,RECOVERABLE,WATER,FILTER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49235	TRICLOPYR,RECOVERABLE,WATER,FILTER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49235	TRICLOPYR,RECOVERABLE,WATER,FILTER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49235	TRICLOPYR,RECOVERABLE,WATER,FILTER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49235	TRICLOPYR,RECOVERABLE,WATER,FILTER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49236	PROPHAM, RECOVERABLE,WATER,FILTER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49236	PROPHAM, RECOVERABLE,WATER,FILTER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49236	PROPHAM, RECOVERABLE,WATER,FILTER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49236	PROPHAM, RECOVERABLE,WATER,FILTER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49236	PROPHAM, RECOVERABLE,WATER,FILTER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49260	ACETOCHLOR, RECOVERABLE, WATER, FILTERED UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49260	ACETOCHLOR, RECOVERABLE, WATER, FILTERED UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49260	ACETOCHLOR, RECOVERABLE, WATER, FILTERED UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49260	ACETOCHLOR, RECOVERABLE, WATER, FILTERED UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49260	ACETOCHLOR, RECOVERABLE, WATER, FILTERED UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49291	PICLORAM,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49291	PICLORAM,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49291	PICLORAM,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49291	PICLORAM,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49291	PICLORAM,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49292	ORYZALIN,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49292	ORYZALIN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49292	ORYZALIN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49292	ORYZALIN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49292	ORYZALIN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49293	NORFLURAZON,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49293	NORFLURAZON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49293	NORFLURAZON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49293	NORFLURAZON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49293	NORFLURAZON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49294	NEBURON,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	

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

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From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0072	No	49294	NEBURON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49294	NEBURON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49294	NEBURON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49294	NEBURON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49295	NAPTHOL,1-,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49295	NAPTHOL,1-,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49295	NAPTHOL,1-,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49295	NAPTHOL,1-,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49295	NAPTHOL,1-,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49296	METHOMYL,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49296	METHOMYL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49296	METHOMYL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49296	METHOMYL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49296	METHOMYL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49297	FENURON,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49297	FENURON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49297	FENURON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49297	FENURON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49297	FENURON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49298	ESFENVALERATE,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49298	ESFENVALERATE,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49298	ESFENVALERATE,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49298	ESFENVALERATE,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49298	ESFENVALERATE,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49299	CRESOL,O-,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49299	CRESOL,O-,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49299	CRESOL,O-,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49299	CRESOL,O-,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49299	CRESOL,O-,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49300	DIURON, RECV,FILTERED, WATER, GF, 0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49300	DIURON, RECV,FILTERED, WATER, GF, 0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49300	DIURON, RECV,FILTERED, WATER, GF, 0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49300	DIURON, RECV,FILTERED, WATER, GF, 0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49300	DIURON, RECV,FILTERED, WATER, GF, 0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49301	DINOSEB, RECV, FILTERED, WATER, GF, 0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49301	DINOSEB, RECV, FILTERED, WATER, GF, 0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49301	DINOSEB, RECV, FILTERED, WATER, GF, 0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49301	DINOSEB, RECV, FILTERED, WATER, GF, 0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49301	DINOSEB, RECV, FILTERED, WATER, GF, 0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49302	DICHLORPROP,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49302	DICHLORPROP,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49302	DICHLORPROP,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49302	DICHLORPROP,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49302	DICHLORPROP,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49303	DICHLOBENIL,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49303	DICHLOBENIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49303	DICHLOBENIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49303	DICHLOBENIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49303	DICHLOBENIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49304	DACTHAL, RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49304	DACTHAL, RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49304	DACTHAL, RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49304	DACTHAL, RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49304	DACTHAL, RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49305	CLOPYRALID,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49305	CLOPYRALID,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49305	CLOPYRALID,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49305	CLOPYRALID,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49305	CLOPYRALID,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49306	CHLOROTHALONIL,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49306	CHLOROTHALONIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49306	CHLOROTHALONIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49306	CHLOROTHALONIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49306	CHLOROTHALONIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49307	AMIBEN, RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49307	AMIBEN, RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49307	AMIBEN, RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49307	AMIBEN, RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49307	AMIBEN, RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49308	HYDROXYCARBOFURAN,3-,RECV,FILT,WATER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49308	HYDROXYCARBOFURAN,3-,RECV,FILT,WATER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49308	HYDROXYCARBOFURAN,3-,RECV,FILT,WATER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0091	Yes	49308	HYDROXYCARBOFURAN,3-,RECV,FILT,WATER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49308	HYDROXYCARBOFURAN,3-,RECV,FILT,WATER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49309	CARBOFURAN,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49309	CARBOFURAN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49309	CARBOFURAN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49309	CARBOFURAN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49309	CARBOFURAN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49310	CARBARYL,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49310	CARBARYL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49310	CARBARYL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49310	CARBARYL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49310	CARBARYL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49311	BROMOXYNIL,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49311	BROMOXYNIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49311	BROMOXYNIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49311	BROMOXYNIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49311	BROMOXYNIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49312	ALDICARB, RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49312	ALDICARB, RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49312	ALDICARB, RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49312	ALDICARB, RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49312	ALDICARB, RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49313	ALDICARB SULFONE,RECV,FILTERED,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49313	ALDICARB SULFONE,RECV,FILTERED,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49313	ALDICARB SULFONE,RECV,FILTERED,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49313	ALDICARB SULFONE,RECV,FILTERED,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49313	ALDICARB SULFONE,RECV,FILTERED,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49314	ALDICARB SULFOXIDE,RECV,FILTERED,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49314	ALDICARB SULFOXIDE,RECV,FILTERED,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49314	ALDICARB SULFOXIDE,RECV,FILTERED,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49314	ALDICARB SULFOXIDE,RECV,FILTERED,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49314	ALDICARB SULFOXIDE,RECV,FILTERED,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	49315	ACIFLUORFEN,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	49315	ACIFLUORFEN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	49315	ACIFLUORFEN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	49315	ACIFLUORFEN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	49315	ACIFLUORFEN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	0	1	
OBRI0095	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	03/29/79-03/29/79	0	1	
OBRI0117	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	03/29/79-03/29/79	0	1	
OBRI0119	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	03/29/79-03/29/79	0	1	
OBRI0127	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	03/29/79-03/29/79	0	1	
OBRI0131	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	03/29/79-03/29/79	0	1	
OBRI0132	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	03/29/79-03/29/79	0	1	
OBRI0004	No	61223	E.COLI, WATER UNFILTERED,ONPG-MUG,COLILERT #/100ML	08/19/98-11/18/98	0	2	
OBRI0020	No	61223	E.COLI, WATER UNFILTERED,ONPG-MUG,COLILERT #/100ML	08/05/98-12/01/98	0	2	
OBRI0043	No	61223	E.COLI, WATER UNFILTERED,ONPG-MUG,COLILERT #/100ML	08/05/98-12/01/98	0	2	
OBRI0054	Yes	61223	E.COLI, WATER UNFILTERED,ONPG-MUG,COLILERT #/100ML	08/18/98-11/24/98	0	2	
OBRI0066	No	61223	E.COLI, WATER UNFILTERED,ONPG-MUG,COLILERT #/100ML	10/06/97-11/24/98	1	3	
OBRI0001	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/10/74-12/17/74	0	2	
OBRI0002	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/10/74-12/10/74	0	1	
OBRI0003	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/10/74-12/17/74	0	2	
OBRI0005	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/19/66-08/18/81	15	19	
OBRI0009	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/21/75-09/13/76	1	14	
OBRI0010	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/18/76-12/13/76	0	3	
OBRI0013	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/14/81-08/18/81	0	4	
OBRI0015	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/19/66-09/08/76	10	30	
OBRI0017	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/11/76-12/08/76	0	4	
OBRI0019	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/19/81-08/19/81	0	1	
OBRI0021	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/26/96-06/26/96	0	1	
OBRI0041	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/18/81-08/18/81	0	1	
OBRI0046	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/02/65-05/23/68	3	19	
OBRI0051	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/01/96-04/01/96	0	1	
OBRI0059	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/06/66-08/19/81	14	10	
OBRI0072	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/96-07/24/96	0	1	
OBRI0082	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/19/81-08/19/81	0	1	
OBRI0084	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/22/65-08/18/81	16	2	
OBRI0091	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/96-07/23/96	0	1	
OBRI0106	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/10/76-03/17/76	0	2	
OBRI0107	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/05/73-09/04/74	0	12	
OBRI0122	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/06/76-12/08/76	0	3	
OBRI0123	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/14/75-09/08/76	0	13	
OBRI0005	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/18/81-08/18/81	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0013	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/18/81-08/18/81	0	1	
OBRI0019	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/19/81-08/19/81	0	1	
OBRI0041	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/18/81-08/18/81	0	1	
OBRI0059	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/19/81-08/19/81	0	1	
OBRI0082	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/19/81-08/19/81	0	1	
OBRI0084	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/18/81-08/18/81	0	1	
OBRI0005	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	07/19/66-08/18/81	15	9	
OBRI0009	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	10/15/75-06/14/76	0	10	
OBRI0013	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	02/14/81-08/18/81	0	4	
OBRI0015	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	10/27/66-06/09/76	9	17	
OBRI0019	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/19/81-08/19/81	0	1	
OBRI0041	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/18/81-08/18/81	0	1	
OBRI0046	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	10/27/66-05/23/68	1	4	
OBRI0059	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	02/14/81-08/19/81	0	6	
OBRI0082	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/19/81-08/19/81	0	1	
OBRI0084	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/18/81-08/18/81	0	1	
OBRI0123	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	10/14/75-06/16/76	0	8	
OBRI0001	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	12/10/74-12/17/74	0	2	
OBRI0002	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	12/10/74-12/10/74	0	1	
OBRI0003	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	12/10/74-12/17/74	0	2	
OBRI0005	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/19/66-08/18/81	15	8	
OBRI0009	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	01/21/75-09/13/76	1	14	
OBRI0013	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/14/81-08/18/81	0	4	
OBRI0015	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/27/66-09/08/76	9	18	
OBRI0019	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/19/81-08/19/81	0	1	
OBRI0041	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/18/81-08/18/81	0	1	
OBRI0046	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/27/66-05/23/68	1	4	
OBRI0059	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/14/81-08/19/81	0	6	
OBRI0082	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/19/81-08/19/81	0	1	
OBRI0084	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/18/81-08/18/81	0	1	
OBRI0107	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/05/73-09/04/74	0	12	
OBRI0123	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/14/75-09/08/76	0	13	
OBRI0005	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	03/17/80-03/17/80	0	1	
OBRI0013	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/24/79-03/21/80	0	2	
OBRI0019	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/23/79-07/17/80	1	2	
OBRI0021	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	06/26/96-06/26/96	0	1	
OBRI0041	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/23/79-05/23/79	0	1	
OBRI0059	Yes	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/25/79-05/25/79	0	1	
OBRI0072	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	07/24/96-07/24/96	0	1	
OBRI0076	Yes	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	07/22/96-07/22/96	0	1	
OBRI0082	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/24/79-05/24/79	0	1	
OBRI0084	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/24/79-03/21/80	0	6	
OBRI0091	Yes	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	07/23/96-07/23/96	0	1	
OBRI0097	Yes	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	07/25/96-07/25/96	0	1	
OBRI0051	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/01/96-04/01/96	0	1	
OBRI0110	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/19/91-06/19/91	0	2	
OBRI0005	No	71825	ACIDITY, TOTAL (MG/L AS H)	05/23/65-10/07/65	0	2	
OBRI0013	No	71825	ACIDITY, TOTAL (MG/L AS H)	03/21/80-05/06/81	1	3	
OBRI0059	Yes	71825	ACIDITY, TOTAL (MG/L AS H)	02/14/81-02/14/81	0	1	
OBRI0023	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	11/16/79-09/30/80	0	5	
OBRI0027	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	11/16/79-09/30/80	0	5	
OBRI0037	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	11/16/79-09/30/80	0	4	
OBRI0044	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/03/80-08/03/80	0	1	
OBRI0049	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	11/16/79-09/30/80	0	4	
OBRI0053	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/22/80-06/22/80	0	1	
OBRI0055	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	11/16/79-09/30/80	0	6	
OBRI0064	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	11/16/79-09/30/80	0	4	
OBRI0070	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	11/16/79-09/30/80	0	5	
OBRI0073	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	03/02/80-03/02/80	0	1	
OBRI0077	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	11/16/79-09/30/80	0	5	
OBRI0079	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/22/80-06/22/80	0	1	
OBRI0083	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/31/80-07/31/80	0	1	
OBRI0086	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	05/28/80-05/28/80	0	1	
OBRI0087	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	05/28/80-05/28/80	0	1	
OBRI0090	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	11/16/79-09/30/80	0	5	
OBRI0094	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/21/80-06/21/80	0	1	
OBRI0098	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	11/16/79-09/30/80	0	5	
OBRI0105	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	11/16/79-09/30/80	0	5	
OBRI0114	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	10/01/80-10/01/80	0	1	
OBRI0005	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	05/23/65-07/29/68	3	20	
OBRI0015	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	05/22/65-07/29/68	3	18	
OBRI0042	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	05/23/65-05/23/65	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0046	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/02/65-05/23/68	3	19	
OBRI0050	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	05/22/65-10/06/65	0	2	
OBRI0059	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/06/66-06/21/67	0	4	
OBRI0063	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/06/65-10/06/65	0	1	
OBRI0081	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	05/22/65-05/22/65	0	1	
OBRI0084	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	05/22/65-09/28/65	0	2	
OBRI0089	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	05/01/86-05/01/86	0	1	
OBRI0109	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/28/86-04/28/86	0	1	
OBRI0111	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/28/86-04/28/86	0	1	
OBRI0023	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11/16/79-11/16/79	0	1	
OBRI0027	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11/16/79-11/16/79	0	1	
OBRI0037	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11/16/79-11/16/79	0	1	
OBRI0049	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11/16/79-11/16/79	0	1	
OBRI0055	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11/16/79-11/16/79	0	1	
OBRI0064	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11/16/79-11/16/79	0	1	
OBRI0070	No	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11/16/79-11/16/79	0	1	
OBRI0077	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11/16/79-11/16/79	0	1	
OBRI0090	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11/16/79-11/16/79	0	1	
OBRI0098	Yes	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11/16/79-11/16/79	0	1	
OBRI0105	No	71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11/16/79-11/16/79	0	1	
OBRI0005	No	71885	IRON (UG/L AS FE)	10/27/66-10/27/66	0	1	
OBRI0015	No	71885	IRON (UG/L AS FE)	09/06/66-09/06/66	0	1	
OBRI0042	No	71885	IRON (UG/L AS FE)	05/23/65-05/23/65	0	1	
OBRI0089	No	71885	IRON (UG/L AS FE)	05/01/86-05/01/86	0	1	
OBRI0109	No	71885	IRON (UG/L AS FE)	04/28/86-04/28/86	0	1	
OBRI0111	No	71885	IRON (UG/L AS FE)	04/28/86-04/28/86	0	1	
OBRI0005	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/18/81-08/18/81	0	1	
OBRI0013	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/18/81-08/18/81	0	1	
OBRI0019	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/19/81-08/19/81	0	1	
OBRI0041	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/18/81-08/18/81	0	1	
OBRI0059	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/19/81-08/19/81	0	1	
OBRI0082	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/19/81-08/19/81	0	1	
OBRI0084	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/18/81-08/18/81	0	1	
OBRI0004	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/29/96-04/29/96	0	1	
OBRI0005	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/18/81-08/18/81	0	1	
OBRI0008	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/22/82-10/11/88	5	19	
OBRI0013	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/18/81-08/18/81	0	1	
OBRI0015	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/12/75-02/10/76	0	2	
OBRI0017	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/11/76-11/03/76	0	2	
OBRI0019	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/19/81-08/19/81	0	1	
OBRI0023	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	06/07/80-09/30/80	0	2	
OBRI0027	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	06/07/80-09/30/80	0	2	
OBRI0037	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	06/07/80-09/30/80	0	2	
OBRI0041	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/18/81-08/18/81	0	1	
OBRI0049	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	06/07/80-09/30/80	0	2	
OBRI0051	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	04/01/96-04/01/96	0	1	
OBRI0053	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/22/80-06/22/80	0	1	
OBRI0054	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	04/17/96-04/17/96	0	1	
OBRI0055	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	06/07/80-09/30/80	0	2	
OBRI0059	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	08/19/81-08/19/81	0	1	
OBRI0064	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	09/30/80-09/30/80	0	1	
OBRI0066	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/21/96-10/06/97	1	8	
OBRI0067	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/21/96-12/04/97	1	9	
OBRI0070	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/07/80-09/30/80	0	2	
OBRI0077	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	06/21/80-09/30/80	0	2	
OBRI0079	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	06/22/80-06/22/80	0	1	
OBRI0080	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/20/96-12/03/97	1	9	
OBRI0082	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/19/81-08/19/81	0	1	
OBRI0084	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/18/81-08/18/81	0	1	
OBRI0086	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/28/80-05/28/80	0	1	
OBRI0087	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/28/80-05/28/80	0	1	
OBRI0090	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	05/03/80-09/30/80	0	3	
OBRI0094	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/21/80-06/21/80	0	1	
OBRI0096	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	08/21/96-12/04/97	1	9	
OBRI0098	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	06/07/80-09/30/80	0	2	
OBRI0099	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	03/29/79-03/29/79	0	1	
OBRI0105	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/07/80-09/30/80	0	2	
OBRI0114	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/01/80-10/01/80	0	1	
OBRI0116	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/29/79-03/29/79	0	1	
OBRI0120	No	71900	MERCURY, TOTAL (UG/L AS HG)	12/21/82-12/14/88	5	17	
OBRI0125	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/29/79-03/29/79	0	1	
OBRI0129	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/29/79-03/29/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0130	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/29/79-03/29/79	0	1	
OBRI0005	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0013	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/06/79-08/18/81	1	3	
OBRI0019	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0041	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/06/79-07/18/80	0	2	
OBRI0059	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/06/79-08/19/81	1	3	
OBRI0082	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0084	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/06/79-07/17/80	0	2	
OBRI0089	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	05/01/86-05/01/86	0	1	
OBRI0109	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/28/86-04/28/86	0	1	
OBRI0111	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/28/86-04/28/86	0	1	
OBRI0024	Yes	74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	14	90	T
OBRI0033	Yes	74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	14	106	T
OBRI0035	Yes	74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	14	110	T
OBRI0048	Yes	74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	14	103	T
OBRI0062	Yes	74010	IRON, TOTAL (MG/L AS FE)	11/10/82-06/05/91	8	54	
OBRI0071	No	74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	14	106	T
OBRI0075	Yes	74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	14	103	T
OBRI0078	Yes	74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	14	101	T
OBRI0088	No	74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	14	105	T
OBRI0092	Yes	74010	IRON, TOTAL (MG/L AS FE)	12/07/82-04/12/90	7	48	
OBRI0101	Yes	74010	IRON, TOTAL (MG/L AS FE)	03/17/97-03/17/97	0	1	
OBRI0104	No	74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	14	104	T
OBRI0005	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	09/06/79-07/17/80	0	4	
OBRI0013	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/24/79-05/06/81	1	8	
OBRI0019	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/23/79-07/17/80	1	5	
OBRI0021	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/26/96-06/26/96	0	1	
OBRI0041	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/23/79-03/21/80	0	4	
OBRI0059	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/25/79-05/21/81	1	12	
OBRI0072	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/22/96-07/22/96	0	1	
OBRI0082	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/24/79-11/07/79	0	3	
OBRI0084	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/24/79-07/17/80	1	11	
OBRI0091	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/25/96-07/25/96	0	1	
OBRI0005	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	09/06/79-07/17/80	0	4	
OBRI0013	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/24/79-05/06/81	1	8	
OBRI0019	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/23/79-07/17/80	1	5	
OBRI0041	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/23/79-03/21/80	0	3	
OBRI0059	Yes	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/25/79-05/21/81	1	12	
OBRI0082	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/24/79-11/07/79	0	3	
OBRI0084	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/24/79-07/17/80	1	11	
OBRI0089	No	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	05/01/86-05/01/86	0	1	
OBRI0109	No	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	04/28/86-04/28/86	0	1	
OBRI0111	No	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	04/28/86-04/28/86	0	1	
OBRI0051	Yes	81551	XYLENE WHL WATER SMPL UG/L	04/01/96-04/01/96	0	1	
OBRI0013	No	82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	08/18/81-08/18/81	0	1	
OBRI0059	Yes	82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	08/19/81-08/19/81	0	1	
OBRI0023	Yes	82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0027	Yes	82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0037	Yes	82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0049	Yes	82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0055	Yes	82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0064	Yes	82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0070	No	82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0077	Yes	82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0090	Yes	82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0098	Yes	82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0105	No	82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	06/08/80-06/08/80	0	1	
OBRI0005	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	08/18/81-08/18/81	0	1	
OBRI0013	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	08/18/81-08/18/81	0	1	
OBRI0019	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	08/19/81-08/19/81	0	1	
OBRI0041	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	08/18/81-08/18/81	0	1	
OBRI0059	Yes	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	08/19/81-08/19/81	0	1	
OBRI0082	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	08/19/81-08/19/81	0	1	
OBRI0084	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	08/18/81-08/18/81	0	1	
OBRI0024	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	14	91	T
OBRI0033	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	14	109	T
OBRI0035	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	14	109	T
OBRI0048	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	14	105	T
OBRI0062	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-06/05/91	8	52	
OBRI0071	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	14	109	T

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0075	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	14	105	T
OBRI0078	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	14	104	T
OBRI0088	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	14	108	T
OBRI0092	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	12/07/82-04/12/90	7	48	
OBRI0101	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/17/97-03/17/97	0	1	
OBRI0104	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	14	106	T
OBRI0022	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	08/03/80-08/03/80	0	1	
OBRI0023	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/16/79-09/30/80	0	5	
OBRI0027	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/16/79-09/30/80	0	5	
OBRI0029	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	08/03/80-08/03/80	0	1	
OBRI0037	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/16/79-09/30/80	0	4	
OBRI0039	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	08/03/80-08/03/80	0	1	
OBRI0044	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	08/03/80-08/03/80	0	1	
OBRI0049	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/28/79-09/30/80	0	6	
OBRI0053	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/22/80-06/22/80	0	1	
OBRI0055	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/28/79-09/30/80	0	7	
OBRI0060	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	08/03/80-08/03/80	0	1	
OBRI0064	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/16/79-09/30/80	0	5	
OBRI0070	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/16/79-09/30/80	0	5	
OBRI0073	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/02/80-03/02/80	0	1	
OBRI0077	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/28/79-09/30/80	0	6	
OBRI0079	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/22/80-06/22/80	0	1	
OBRI0086	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/28/80-05/28/80	0	1	
OBRI0087	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/28/80-05/28/80	0	1	
OBRI0089	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/01/86-05/01/86	0	1	
OBRI0090	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/28/79-09/30/80	0	6	
OBRI0094	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/21/80-06/21/80	0	1	
OBRI0098	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/16/79-09/30/80	0	5	
OBRI0105	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/16/79-09/30/80	0	5	
OBRI0109	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/28/86-04/28/86	0	1	
OBRI0111	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/28/86-04/28/86	0	1	
OBRI0114	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/01/80-10/01/80	0	1	
OBRI0023	Yes	82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	11/16/79-06/07/80	0	4	
OBRI0027	Yes	82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	11/16/79-06/07/80	0	4	
OBRI0037	Yes	82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	11/16/79-06/07/80	0	3	
OBRI0044	No	82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	08/03/80-08/03/80	0	1	
OBRI0049	Yes	82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	02/29/80-06/07/80	0	3	
OBRI0053	No	82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	06/22/80-06/22/80	0	1	
OBRI0055	Yes	82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	11/16/79-06/21/80	0	5	
OBRI0064	Yes	82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	02/29/80-06/07/80	0	3	
OBRI0070	No	82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	11/16/79-06/07/80	0	4	
OBRI0073	No	82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	03/02/80-03/02/80	0	1	
OBRI0077	Yes	82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	11/16/79-06/21/80	0	4	
OBRI0079	Yes	82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	06/22/80-06/22/80	0	1	
OBRI0083	No	82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	07/31/80-07/31/80	0	1	
OBRI0086	No	82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	05/28/80-05/28/80	0	1	
OBRI0087	No	82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	05/28/80-05/28/80	0	1	
OBRI0090	Yes	82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	02/29/80-06/21/80	0	3	
OBRI0094	No	82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	06/21/80-06/21/80	0	1	
OBRI0098	Yes	82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	11/16/79-06/07/80	0	4	
OBRI0105	No	82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	02/29/80-06/07/80	0	3	
OBRI0114	No	82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	10/01/80-10/01/80	0	1	
OBRI0024	Yes	82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	14	91	T
OBRI0033	Yes	82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	14	108	T
OBRI0035	Yes	82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	14	110	T
OBRI0048	Yes	82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	14	104	T
OBRI0062	Yes	82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-06/05/91	8	54	
OBRI0071	No	82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	14	108	T
OBRI0075	Yes	82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	14	105	T
OBRI0078	Yes	82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	14	103	T
OBRI0088	No	82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	14	107	T
OBRI0092	Yes	82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	12/07/82-04/12/90	7	48	
OBRI0101	Yes	82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	03/17/97-03/17/97	0	1	
OBRI0104	No	82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	14	106	
OBRI0021	No	82398	SAMPLING METHOD (CODES)	06/26/96-06/26/96	0	1	
OBRI0052	Yes	82398	SAMPLING METHOD (CODES)	03/13/97-03/25/97	0	2	
OBRI0072	No	82398	SAMPLING METHOD (CODES)	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82398	SAMPLING METHOD (CODES)	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82398	SAMPLING METHOD (CODES)	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82398	SAMPLING METHOD (CODES)	07/25/96-07/25/96	0	1	
OBRI0021	No	82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	07/24/96-07/24/96	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0076	Yes	82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0097	Yes	82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0021	No	82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	0	1	
OBRI0072	No	82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	0	1	
OBRI0076	Yes	82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	0	1	
OBRI0091	Yes	82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	0	1	
OBRI0097	Yes	82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	0	1	
OBRI0089	No	83509	STREAM, WIDTH METER	05/01/86-05/01/86	0	1	
OBRI0109	No	83509	STREAM, WIDTH METER	04/28/86-04/28/86	0	1	
OBRI0111	No	83509	STREAM, WIDTH METER	04/28/86-04/28/86	0	1	
OBRI0013	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	08/18/81-08/18/81	0	1	
OBRI0017	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	12/08/76-12/08/76	0	1	
OBRI0124	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	12/08/76-12/08/76	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/30/64 To 12/01/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
OBRI0013	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	08/18/81-08/18/81	0	1	
OBRI0017	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	12/08/76-12/08/76	0	1	
OBRI0124	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	12/08/76-12/08/76	0	1	
OBRI0057	Yes	85000	STREAM MILE, ACTUAL MILES	04/17/96-01/27/98	1	9	
OBRI0067	No	85000	STREAM MILE, ACTUAL MILES	08/21/96-12/04/97	1	9	
OBRI0080	No	85000	STREAM MILE, ACTUAL MILES	08/20/96-12/03/97	1	9	
OBRI0096	Yes	85000	STREAM MILE, ACTUAL MILES	08/21/96-12/04/97	1	9	

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

Station-By-Station Results

Station Inventory for Station: OBRI0001

NPS Station ID: OBRI0001
LAT/LON: 36.177503/ -84.474448
Agency: 112WRD
Date Created: / /
Location: EMORY RIVER AT MAHAN VILLAGE, TENN
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03538295
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208006
RF1 Mile Point: 16.820
Distance from RF1: 11.40
On/Off RF1: OFF
RF3 Index: 06010208018200.00
RF3 Mile Point: 0.82
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/10/74-12/17/74	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/10/74-12/17/74	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/10/74-12/17/74	2	200.	200.	220.	180.	800.	28.284	**	**	**	**
00400	PH (STANDARD UNITS)	12/10/74-12/17/74	2	7.3	7.3	7.6	7.	0.18	0.424	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/10/74-12/17/74	2	7.204	7.204	7.6	7.	0.199	0.446	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/10/74-12/17/74	2	0.063	0.063	0.1	0.025	0.003	0.053	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	12/10/74-12/17/74	2	1.3	1.3	2.2	0.4	1.62	1.273	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/10/74-12/17/74	2	10.	10.	11.	9.	2.	1.414	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	12/10/74-12/17/74	2	12.5	12.5	14.	11.	4.5	2.121	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/10/74-12/17/74	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/10/74-12/17/74	2	71.5	71.5	80.	63.	144.5	12.021	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/10/74-12/17/74	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/10/74-12/17/74	2	4.85	4.85	4.9	4.8	0.005	0.071	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/10/74-12/17/74	2	101.	101.	112.	90.	242.	15.556	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	12/10/74-12/17/74	2	0.135	0.135	0.15	0.12	0.	0.021	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0001

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	2	0	0.00				2	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						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00				2	0	0.00						
		Drinking Water	250.	2	0	0.00				2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00				2	0	0.00						
00950	FLUORIDE, DISSOLVED 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: OBRI0002

NPS Station ID: OBRI0002
LAT/LON: 36.126392/ -84.503060
Agency: 112WRD
Date Created: / /
Location: FLAT FORK NEAR PETROS, TENN
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03539848
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000615.95
RF3 Mile Point: 19.07
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/10/74-12/10/74	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/10/74-12/10/74	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/10/74-12/10/74	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	12/10/74-12/10/74	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/10/74-12/10/74	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/10/74-12/10/74	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	12/10/74-12/10/74	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/10/74-12/10/74	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	12/10/74-12/10/74	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/10/74-12/10/74	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/10/74-12/10/74	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/10/74-12/10/74	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/10/74-12/10/74	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/10/74-12/10/74	1	46.	46.	46.	46.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	12/10/74-12/10/74	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0002

Parameter				Total	Exceed	Prop.	7/01-10/14			10/15-3/14			3/15-6/30			n/a		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						
00400	PH	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
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: OBRI0003

NPS Station ID: OBRI0003
LAT/LON: 36.126115/ -84.503060
Agency: 112WRD
Date Created: / /
Location: JUDGE BRANCH NEAR PETROS, TENN
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03539850
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208003002.45
RF3 Mile Point: 2.46
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/10/74-12/17/74	2	4.75	4.75	5.	4.5	0.125	0.354	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/10/74-12/17/74	2	2.	2.	2.	2.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/10/74-12/17/74	2	35.	35.	40.	30.	50.	7.071	**	**	**	**
00400	PH (STANDARD UNITS)	12/10/74-12/17/74	2	7.85	7.85	8.2	7.5	0.245	0.495	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/10/74-12/17/74	2	7.722	7.722	8.2	7.5	0.278	0.527	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/10/74-12/17/74	2	0.019	0.019	0.032	0.006	0.	0.018	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	12/10/74-12/17/74	2	0.3	0.3	0.5	0.1	0.08	0.283	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/10/74-12/17/74	2	7.5	7.5	8.	7.	0.5	0.707	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	12/10/74-12/17/74	2	9.5	9.5	10.	9.	0.5	0.707	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/10/74-12/17/74	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/10/74-12/17/74	2	11.	11.	11.	11.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/10/74-12/17/74	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/10/74-12/17/74	2	4.95	4.95	5.	4.9	0.005	0.071	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/10/74-12/17/74	2	20.	20.	20.	20.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	12/10/74-12/17/74	2	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0003

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	2	0	0.00				2	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						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00				2	0	0.00						
		Drinking Water	250.	2	0	0.00				2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00				2	0	0.00						
00950	FLUORIDE, DISSOLVED 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: OBRI0004

NPS Station ID: OBRI0004
LAT/LON: 36.097226/ -84.548059
Agency: 21TNECO
Date Created: 12/14/96
Location: FLAT FORK, QUAD 122NE
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): ECO69D03
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 5
Aquifer:
Major Basin: TN RIVER
Elevation: 0
Water Body Id:
Minor Basin: CLINCH RIVER
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
UPPER REACH AT EMORY GAP BR. JUDGE BR. CONFLUENCE, FROZEN HEAD STATE PAR WATERBODY # 06010208-004

Parameter Inventory for Station: OBRI0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/29/96-11/18/98	12	7.7	10.642	20.8	5.3	29.524	5.434	5.54	6.425	14.475	20.35
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/12/96-11/18/98	4	3.1	3.55	8.	0.	16.543	4.067	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/29/96-11/18/98	12	1.55	1.263	2.	0.05	0.37	0.608	0.185	0.825	1.6	2.
00080	COLOR (PLATINUM-COBALT UNITS)	01/27/98-11/18/98	4	5.	10.75	30.	3.	168.25	12.971	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/27/98-11/18/98	4	11.5	16.75	37.	7.	188.25	13.72	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/29/96-11/18/98	12	39.	39.417	46.	35.	13.356	3.655	35.	36.25	43.	45.4
00300	OXYGEN, DISSOLVED MG/L	04/29/96-11/18/98	12	9.55	8.858	12.1	1.9	9.481	3.079	3.04	6.5	11.325	12.01
00400	PH (STANDARD UNITS)	04/29/96-11/18/98	10	6.73	6.702	7.59	5.26	0.43	0.656	5.361	6.428	7.12	7.582
00400	CONVERTED PH (STANDARD UNITS)	04/29/96-11/18/98	10	6.729	6.138	7.59	5.26	0.783	0.885	5.361	6.427	7.12	7.582
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/29/96-11/18/98	10	0.187	0.728	5.495	0.026	2.829	1.682	0.026	0.084	0.383	5.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/96-11/18/98	12	9.5	10.417	17.	7.	9.538	3.088	7.	8.25	13.25	16.1
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/29/96-11/18/98	12	30.5	33.583	102.	10.	524.265	22.897	12.4	22.	34.75	82.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/96-11/18/98	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/96-11/18/98	13 ##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/29/96-11/18/98	13	0.2	0.239	0.79	0.06	0.034	0.184	0.072	0.145	0.25	0.626
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	04/29/96-11/18/98	13 ##	0.05	0.054	0.1	0.05	0.	0.014	0.05	0.05	0.05	0.08
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/96-11/18/98	13	0.004	0.02	0.14	0.002	0.002	0.039	0.002	0.002	0.02	0.104
00690	CARBON, TOTAL (MG/L AS C)	04/29/96-11/18/98	13 ##	0.5	0.985	2.3	0.5	0.403	0.635	0.5	0.5	1.5	2.14
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	04/29/96-04/29/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/96-11/18/98	12	19.	19.917	37.	13.	37.356	6.112	13.6	17.	21.	33.1
00940	CHLORIDE,TOTAL IN WATER MG/L	04/29/96-04/29/96	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/12/96-11/18/98	5	8.	9.4	14.	8.	6.8	2.608	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	04/29/96-11/18/98	13 ##	0.5	0.885	5.	0.5	1.548	1.244	0.5	0.5	0.5	3.4
01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/96-11/18/98	13 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/96-11/18/98	13 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01042	COPPER, TOTAL (UG/L AS CU)	04/29/96-11/18/98	13 ##	0.5	1.385	10.	0.5	6.881	2.623	0.5	0.5	0.75	6.8
01045	IRON, TOTAL (UG/L AS FE)	04/29/96-11/18/98	13	40.	43.	80.	12.5	399.625	19.991	12.5	34.5	49.5	79.2
01051	LEAD, TOTAL (UG/L AS PB)	04/29/96-11/18/98	13 ##	0.5	0.538	1.	0.5	0.019	0.139	0.5	0.5	0.5	0.8
01055	MANGANESE, TOTAL (UG/L AS MN)	04/29/96-11/18/98	13 ##	2.5	8.538	59.	2.5	258.728	16.085	2.5	2.5	3.75	44.2
01067	NICKEL, TOTAL (UG/L AS NI)	04/29/96-04/29/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/29/96-11/18/98	13	2.	5.115	29.	0.5	60.923	7.805	0.5	0.5	8.	20.6
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/29/96-11/18/98	12	18.	61.5	510.	2.	20397.182	142.819	2.	5.	32.	381.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/29/96-11/18/98	12	1.253	1.222	2.708	0.301	0.456	0.675	0.301	0.677	1.502	2.466
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			16.653								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/27/98-11/18/98	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/27/98-11/18/98	4 ##	-0.301	-0.301	-0.301	-0.301	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: OBRI0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			0.5								
61223	E.COLI, WATER UNFILTERED,ONPG-MUG,COLILERT #/100ML	08/19/98-11/18/98	2	50.	50.	91.	9.	3362.	57.983	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/29/96-04/29/96	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: OBRI0004

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	12	1	0.08	2	0	0.00	7	1	0.14	3	0	0.00			
00400	PH	Fresh Chronic	9.	10	0	0.00	2	0	0.00	5	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	10	3	0.30	2	1	0.50	5	1	0.20	3	1	0.33			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	13	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	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.	5	0	0.00	1	0	0.00	4	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	13	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00			
		Drinking Water	50.	13	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	13	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00			
		Drinking Water	5.	13	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	13	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	13	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00			
		Drinking Water	1300.	13	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	13	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00			
		Drinking Water	15.	13	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	13	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00			
		Drinking Water	5000.	13	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	12	1	0.08	2	1	0.50	7	0	0.00	3	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: OBRI0005

NPS Station ID: OBRI0005
LAT/LON: 36.084726/ -84.555005
Agency: 112WRD
Date Created: / /
Location: CROOKED F NR WARTBURG TENN
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03539860
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208004
RF1 Mile Point: 5.730
Distance from RF1: 8.00
On/Off RF1: OFF
RF3 Index: 06010208003500.93
RF3 Mile Point: 1.97
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/65-08/18/81	26	15.	14.881	25.	0.	45.768	6.765	2.76	10.375	20.7	22.74
00060	FLOW, STREAM, MEAN DAILY CFS	10/07/65-07/29/68	19	34.	100.316	962.	3.	46780.673	216.288	3.	5.	110.	195.
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/24/79-08/18/81	6	59.	278.333	1250.	2.	238631.467	488.499	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/23/65-07/29/68	20	4.5	3.65	7.	0.	4.029	2.007	0.	3.	5.	5.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/23/65-08/18/81	26	245.	291.885	695.	51.	31933.226	178.699	90.8	137.5	443.75	545.
00400	PH (STANDARD UNITS)	05/23/65-08/18/81	26	6.15	5.946	7.9	4.5	0.872	0.934	4.77	4.975	6.625	7.23
00400	CONVERTED PH (STANDARD UNITS)	05/23/65-08/18/81	26	6.147	5.262	7.9	4.5	1.36	1.166	4.77	4.975	6.625	7.23
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/65-08/18/81	26	0.713	5.476	31.623	0.013	64.111	8.007	0.059	0.238	10.647	17.08
00403	PH, LAB, STANDARD UNITS SU	08/18/81-08/18/81	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/18/81-08/18/81	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/18/81-08/18/81	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/19/66-08/18/81	13	6.	19.769	102.	2.	824.859	28.72	2.	2.	27.5	81.2
00440	BICARBONATE ION (MG/L AS HCO3)	10/07/65-07/29/68	19	4.	5.263	26.	0.	36.316	6.026	0.	2.	6.	14.
00445	CARBONATE ION (MG/L AS CO3)	10/07/65-10/07/65	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/18/81-08/18/81	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	05/23/65-10/07/65	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/18/81-08/18/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/18/81-08/18/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/23/65-08/18/81	21	111.	115.81	232.	28.	4437.062	66.611	36.8	58.	177.5	220.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/23/65-08/18/81	10	154.	130.8	220.	31.	5264.178	72.555	31.6	51.25	189.75	219.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/19/66-08/18/81	19	19.	24.632	48.	7.7	190.178	13.79	9.	13.	37.	46.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/19/66-08/18/81	19	9.	12.358	27.	3.2	67.42	8.211	4.4	5.3	22.	26.
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/19/66-08/18/81	19	6.9	9.495	19.6	2.	36.169	6.014	3.	4.5	15.	19.
00931	SODIUM ADSORPTION RATIO	07/19/66-08/18/81	8	0.4	0.413	0.7	0.2	0.033	0.181	**	**	**	**
00932	SODIUM, PERCENT	07/19/66-08/18/81	8	15.	15.25	22.	11.	9.929	3.151	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/19/66-08/18/81	19	2.7	2.905	8.	0.6	3.996	1.999	0.8	1.2	4.2	6.3
00940	CHLORIDE,TOTAL IN WATER MG/L	05/23/65-08/18/81	21	3.	3.905	8.	2.	3.59	1.895	2.	2.5	5.5	7.6
00945	SULFATE, TOTAL (MG/L AS SO4)	05/23/65-08/18/81	26	97.	116.038	262.	19.	6251.718	79.068	24.4	47.	196.5	242.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/18/81-08/18/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/19/66-08/18/81	19	6.3	6.379	8.3	4.9	1.155	1.075	4.9	5.4	7.1	8.1
01002	ARSENIC, TOTAL (UG/L AS AS)	08/18/81-08/18/81	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/06/79-07/17/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/18/81-08/18/81	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/18/81-08/18/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-07/17/80	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-07/17/80	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/18/81-08/18/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/06/79-07/17/80	2	10.	10.	10.	10.	0.	0.	**	**	**	**

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Parameter Inventory for Station: OBRI0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042	COPPER, TOTAL (UG/L AS CU)	08/18/81-08/18/81	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/06/79-07/17/80	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	05/24/79-08/18/81	5	550.	2832.	9500.	360.	15418370.	3926.623	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/24/79-08/18/81	6	560.	2501.667	9600.	410.	13439176.667	3665.948	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/23/65-08/18/81	26	20.	138.869	1300.	0.	76755.965	277.049	0.	0.45	187.5	470.
01051	LEAD, TOTAL (UG/L AS PB)	08/18/81-08/18/81	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/06/79-07/17/80	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/06/79-07/17/80	2	250.	250.	310.	190.	7200.	84.853	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/24/79-08/18/81	6	55.	111.667	270.	0.	14536.667	120.568	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/24/79-08/18/81	6	340.	428.333	920.	280.	59616.667	244.165	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/23/65-08/18/81	7	270.	585.714	2200.	120.	535261.905	731.616	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/18/81-08/18/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/18/81-08/18/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/06/79-07/17/80	2	38.	38.	50.	26.	288.	16.971	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/23/65-10/07/65	2	1100.	1100.	1400.	800.	180000.	424.264	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/18/81-08/18/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/06/79-07/17/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/06/79-07/17/80	2	11000.	11000.	17000.	5000.	72000000.	8485.281	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/19/66-08/18/81	19	133.	194.421	431.	48.	14135.035	118.891	52.	106.	302.	409.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/18/81-08/18/81	1	213.	213.	213.	213.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/19/66-08/18/81	9	4.18	10.663	27.4	2.15	103.278	10.163	2.15	3.565	20.15	27.4
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/19/66-08/18/81	8	0.375	0.309	0.56	0.07	0.031	0.177	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	03/17/80-03/17/80	1	61.	61.	61.	61.	0.	0.	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	05/23/65-10/07/65	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	05/23/65-07/29/68	20	0.6	0.705	2.4	0.	0.239	0.489	0.31	0.4	0.8	1.27
71885	IRON (UG/L AS FE)	10/27/66-10/27/66	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/18/81-08/18/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/18/81-08/18/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/06/79-07/17/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	09/06/79-07/17/80	4	8.	146.75	569.	2.	79252.917	281.519	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	09/06/79-07/17/80	4	0.785	480.405	1920.	0.05	921082.045	959.73	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	08/18/81-08/18/81	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: OBRI0005

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	26	0	0.00	11	0	0.00	8	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	26	19	0.73	11	8	0.73	8	5	0.63	7	6	0.86			
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									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	21	0	0.00	9	0	0.00	7	0	0.00	5	0	0.00			
		Drinking Water	250.	21	0	0.00	9	0	0.00	7	0	0.00	5	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	26	1	0.04	11	1	0.09	8	0	0.00	7	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									

& - 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: OBRI0005

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01077	SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	20	0	0.00	8	0	0.00	7	0	0.00	5	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station OBRI0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/65-08/18/81	11	21.	19.991	25.	14.4	12.077	3.475	14.52	17.8	22.2	24.8
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/23/65-08/18/81	11	435.	430.545	695.	81.	25893.273	160.914	129.	330.	530.	672.
00400p	PH (STANDARD UNITS)	05/23/65-08/18/81	11	5.	5.673	7.9	4.5	1.54	1.241	4.54	4.8	7.2	7.78
00400p	CONVERTED PH (STANDARD UNITS)	05/23/65-08/18/81	11	5.	4.987	7.9	4.5	2.058	1.434	4.54	4.8	7.2	7.78
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/65-08/18/81	11	10.	10.305	31.623	0.013	99.846	9.992	0.02	0.063	15.849	29.289
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	05/23/65-08/18/81	9	182.	164.111	232.	28.	4081.111	63.884	28.	125.	217.	232.
00940p	CHLORIDE,TOTAL IN WATER MG/L	05/23/65-08/18/81	9	5.	5.	8.	2.	4.75	2.179	2.	3.	7.	8.
00945p	SULFATE, TOTAL (MG/L AS SO4)	05/23/65-08/18/81	11	201.	175.818	262.	23.	5235.964	72.36	40.4	110.	239.	259.4
01046p	IRON, DISSOLVED (UG/L AS FE)	05/23/65-08/18/81	11	20.	158.236	1300.	0.	147537.415	384.106	0.	0.6	90.	1084.

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Seasonal Analysis for Season #2: 10/15 to 3/14 - Station OBRI0005

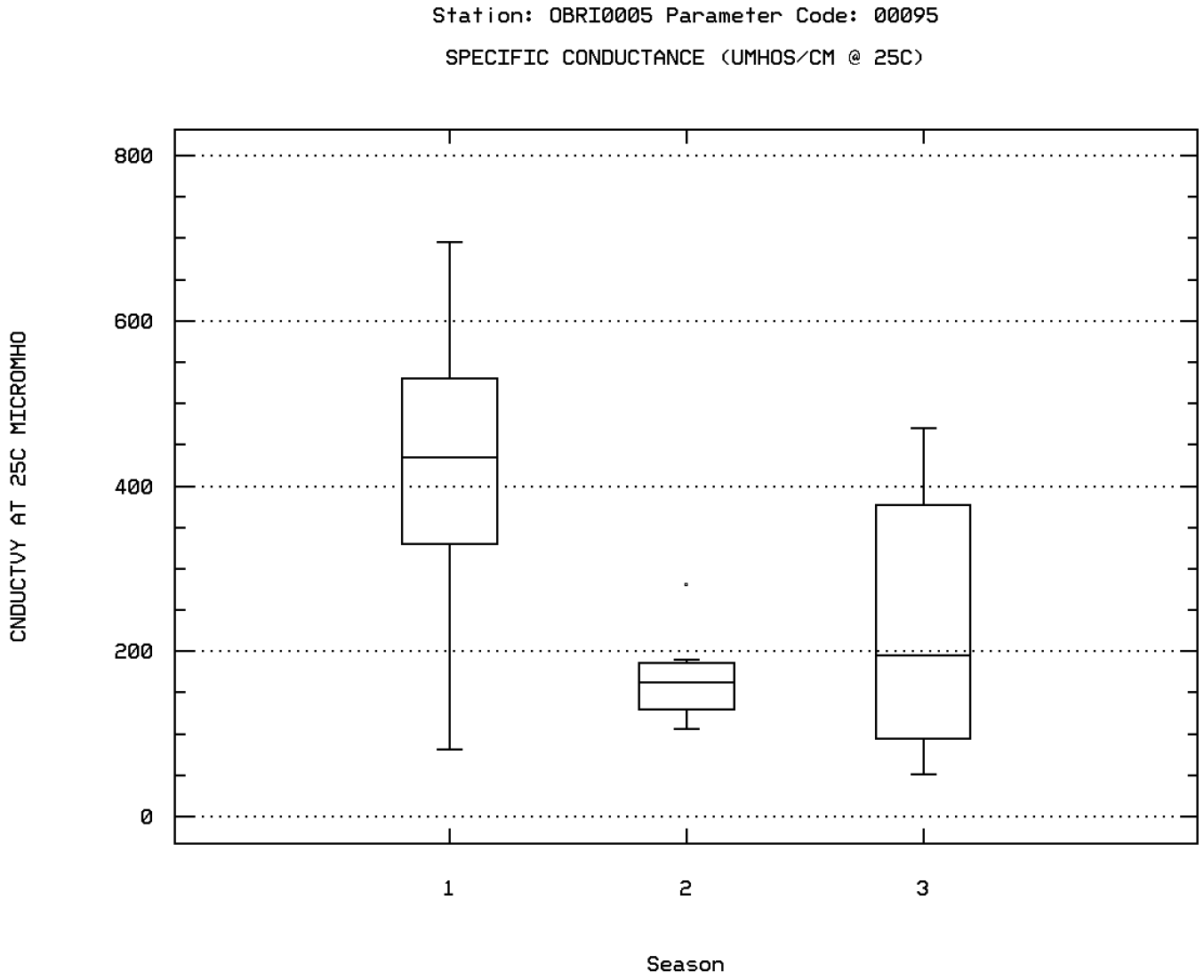
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/65-08/18/81	8	9.4	7.712	14.4	0.	28.076	5.299	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/23/65-08/18/81	8	163.	168.	280.	106.	2936.286	54.188	**	**	**	**
00400p	PH (STANDARD UNITS)	05/23/65-08/18/81	8	6.25	6.25	6.9	5.5	0.234	0.484	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	05/23/65-08/18/81	8	6.247	6.019	6.9	5.5	0.295	0.543	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/65-08/18/81	8	0.566	0.958	3.162	0.126	1.149	1.072	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	05/23/65-08/18/81	7	60.	63.571	111.	36.	558.952	23.642	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	05/23/65-08/18/81	7	3.	3.286	6.	2.	1.905	1.38	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	05/23/65-08/18/81	8	57.	61.5	120.	33.	764.571	27.651	**	**	**	**
01046p	IRON, DISSOLVED (UG/L AS FE)	05/23/65-08/18/81	8	10.	93.75	540.	0.	36283.929	190.483	**	**	**	**

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Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/65-08/18/81	7	15.	15.043	20.6	8.	21.4	4.626	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/23/65-08/18/81	7	195.	215.571	470.	51.	23967.286	154.814	**	**	**	**
00400p	PH (STANDARD UNITS)	05/23/65-08/18/81	7	6.4	6.029	6.8	4.9	0.526	0.725	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	05/23/65-08/18/81	7	6.4	5.516	6.8	4.9	0.833	0.912	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/65-08/18/81	7	0.398	3.05	12.589	0.158	22.528	4.746	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	05/23/65-08/18/81	5	78.	102.	173.	40.	2921.5	54.051	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	05/23/65-08/18/81	5	3.	2.8	4.	2.	0.7	0.837	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	05/23/65-08/18/81	7	68.	84.429	195.	19.	4746.952	68.898	**	**	**	**
01046p	IRON, DISSOLVED (UG/L AS FE)	05/23/65-08/18/81	7	80.	160.	440.	0.	27666.667	166.333	**	**	**	**

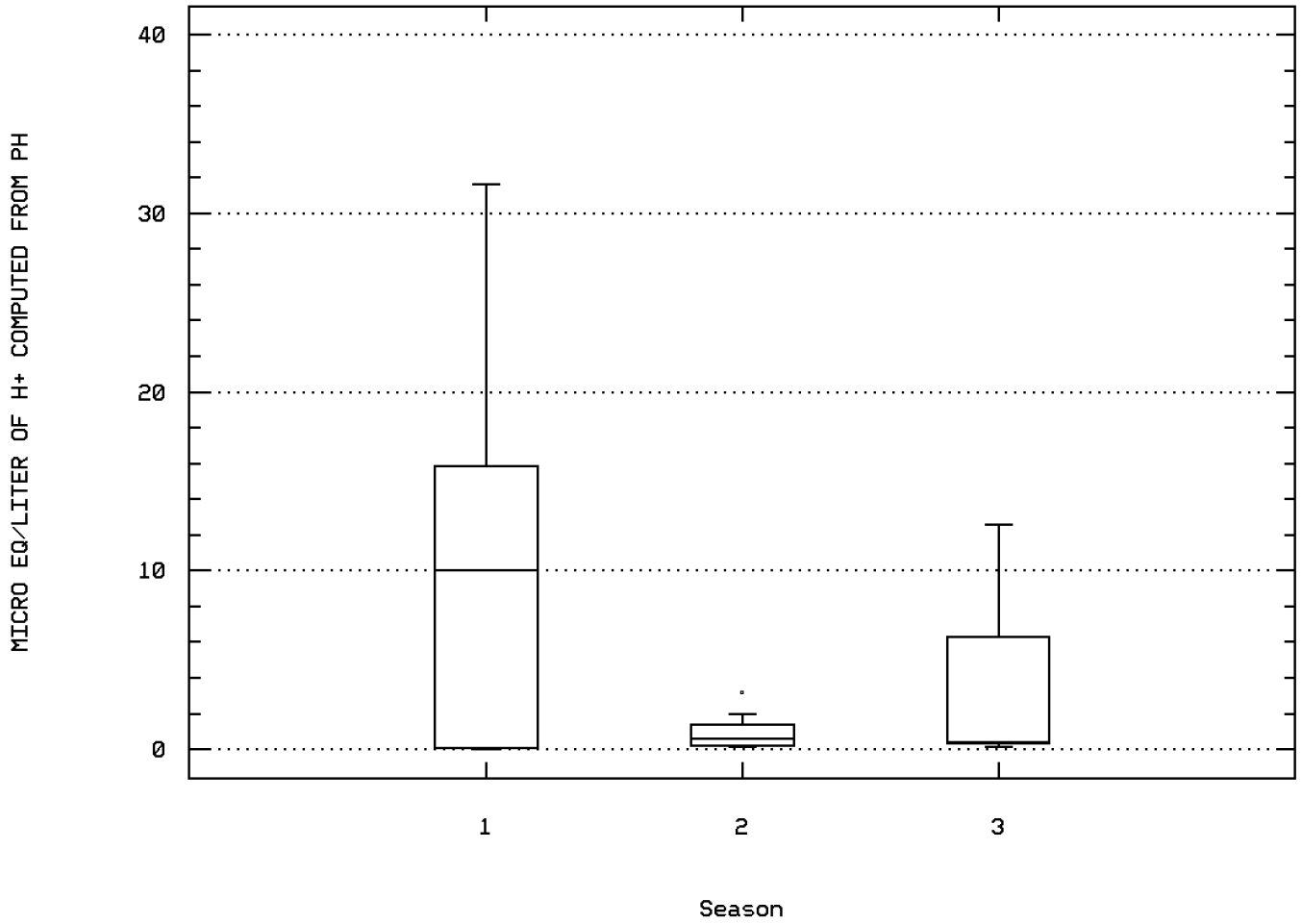
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot



CROOKED F NR WARTBURG TENN

Station: OBRI0005 Parameter Code: 00400

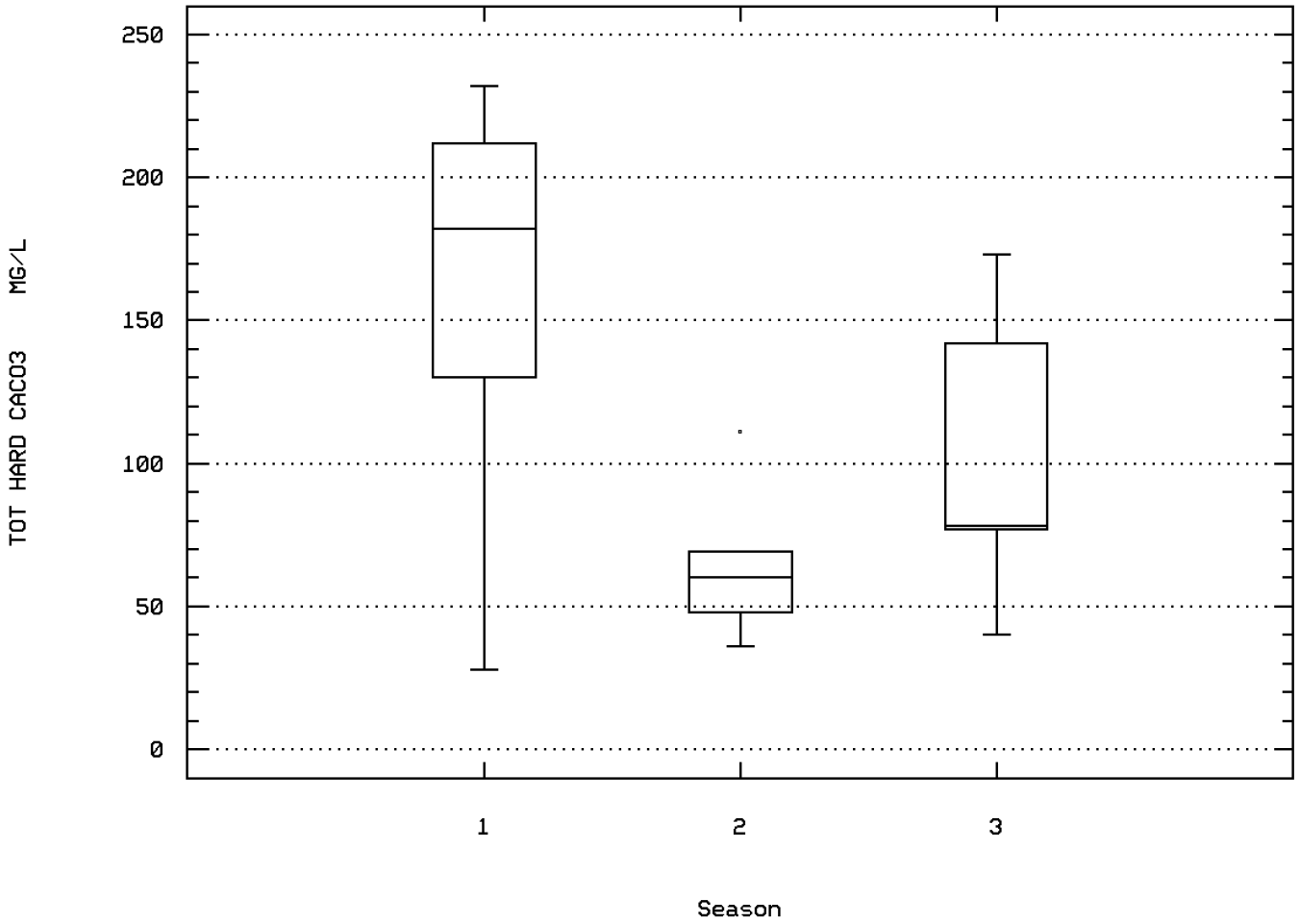
MICRO EQ/LITER OF H+ COMPUTED FROM PH



CROOKED F NR WARTBURG TENN

Station: OBRI0005 Parameter Code: 00900

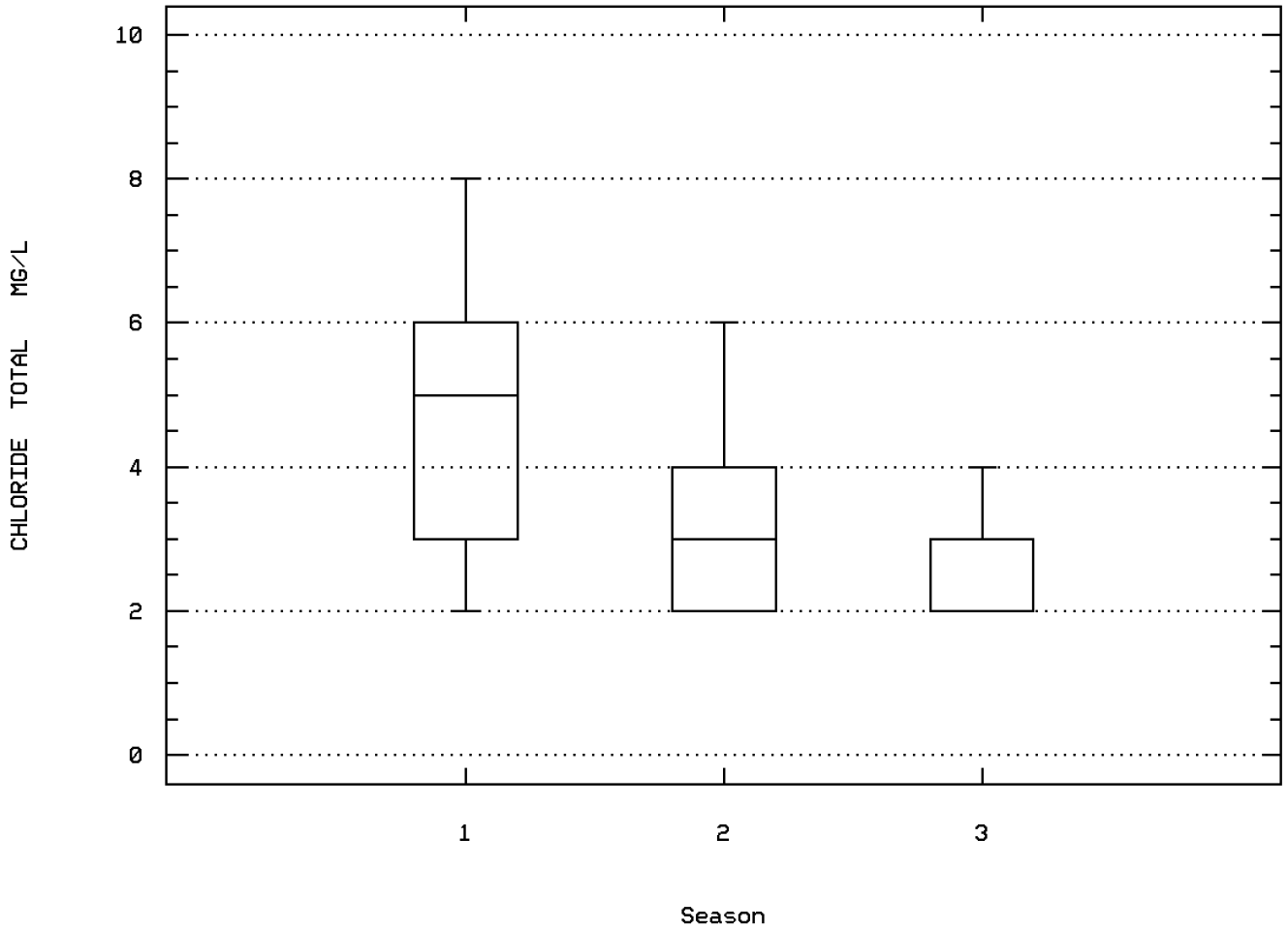
HARDNESS, TOTAL (MG/L AS CACO3)



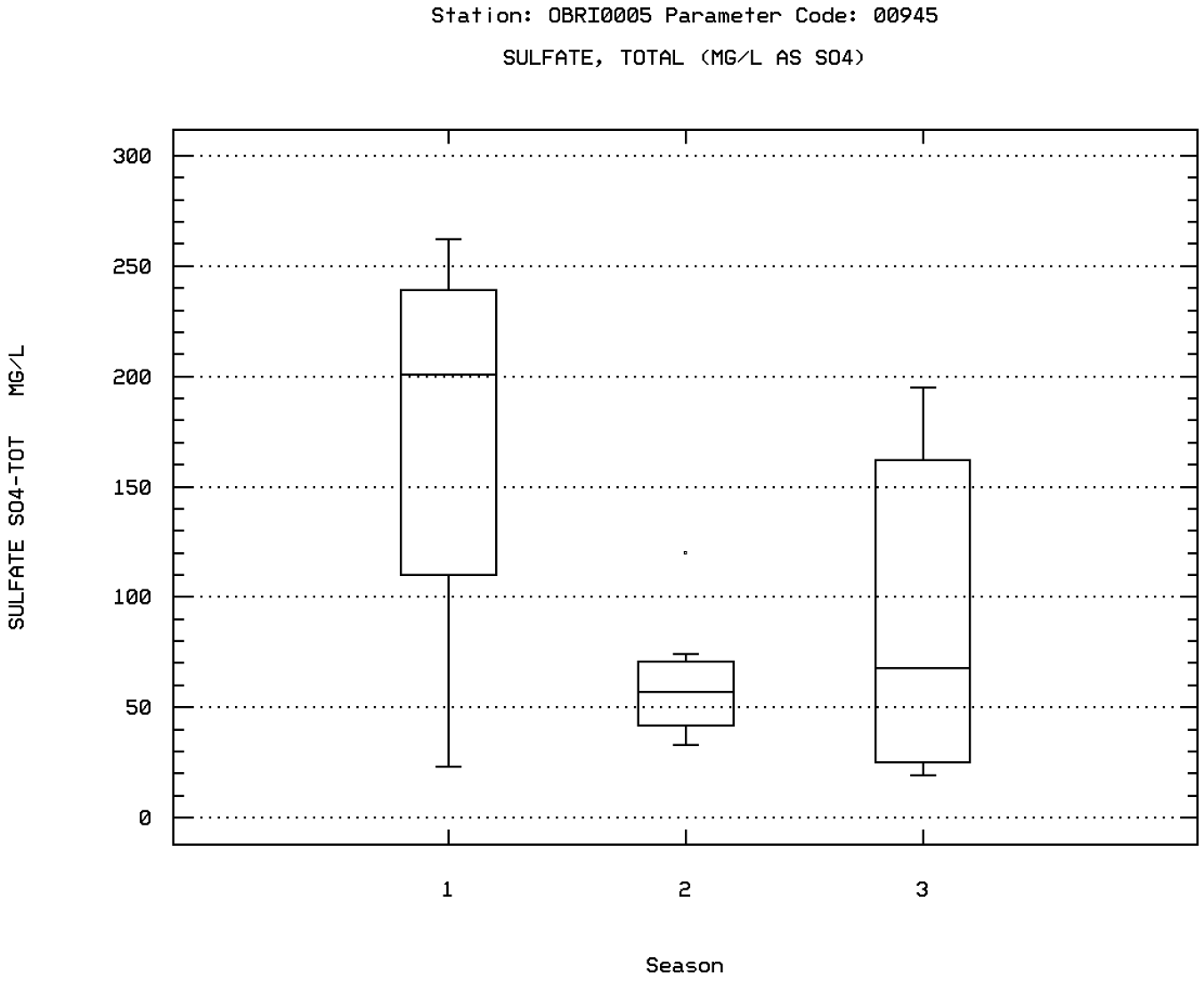
CROOKED F NR WARTBURG TENN

Station: OBRI0005 Parameter Code: 00940

CHLORIDE,TOTAL IN WATER



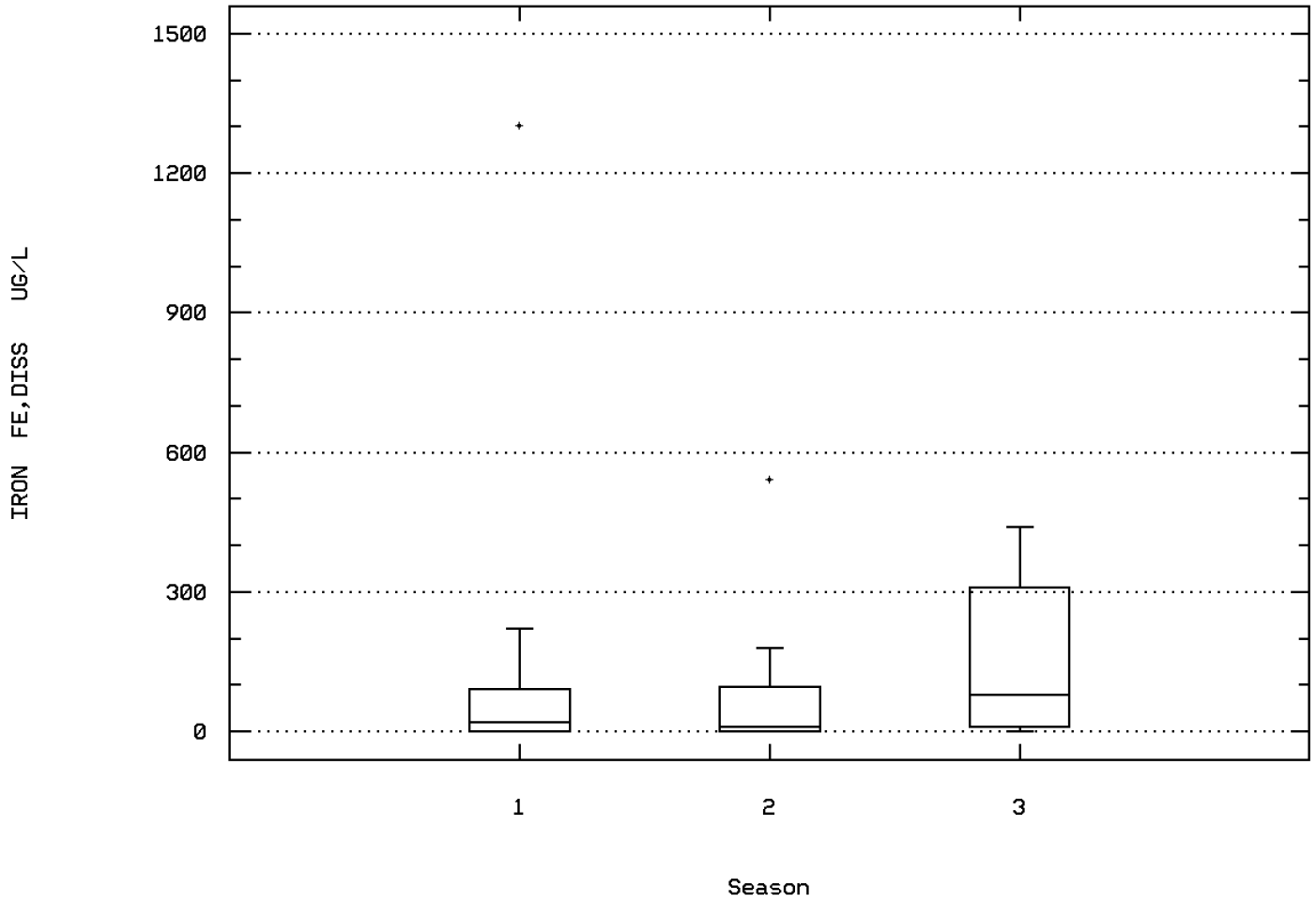
CROOKED F NR WARTBURG TENN



CROOKED F NR WARTBURG TENN

Station: OBRI0005 Parameter Code: 01046

IRON, DISSOLVED (UG/L AS FE)



CROOKED F NR WARTBURG TENN

Station Inventory for Station: OBRI0006

NPS Station ID: OBRI0006 | LAT/LON: 36.084809/ -84.555060 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: CROOKED FORK CREEK AT HIGHWAY 27 BRIDGE | FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): OBRI_TTU_CFC
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 06010208 | Depth of Water: 0 | Aquifer:
Major Basin: TENNESSEE RIVER | Elevation: 0 | Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES | ECO Region:
RF1 Index: 06010208 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 06010208000109.53 | RF3 Mile Point: 9.53 | Distance from RF3: 0.48 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CAMP AUSTIN TN-MORGAN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE OF THE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES AT CROOKED FORK CREEK NEAR THE HIGHWAY 27 BRIDGE AT STREAM MILE 6.5. DATA WERE COLLECTED AND ANALYZED AT THIS SITE FROM 1973 THROUGH 1974 BY JOHN RIDDLE; A GRADUATE STUDENT AT TENNESSEE TECHNOLOGICAL UNIVERSITY; USING A HACH KIT (DR-EL/2; MODEL NUMBER 2506-05). TEMPERATURE; DISSOLVED OXYGEN; AND PH WERE MEASURED IN THE FIELD; ALL OTHER MEASUREMENTS WERE TAKEN IMMEDIATELY UPON RETURN FROM THE FIELD. DATA WERE SUMMARIZED IN A FINAL REPORT TITLED "CUMBERLAND PLATEAU MUSKELLUNGE INVESTIGATION." FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0006

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/07/73-11/07/74	12	58.	58.	70.	44.	69.636	8.345	45.2	51.	65.25	70.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/07/73-11/07/74	12	10.	28.417	180.	4.	2438.629	49.382	4.3	5.5	20.	141.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/07/73-11/07/74	12	6.5	6.667	10.	3.	6.242	2.498	3.3	4.25	9.	10.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/07/73-11/07/74	12	10.5	10.75	14.	8.	3.841	1.96	8.	9.25	12.75	13.7
00406	PH, FIELD, STANDARD UNITS SU	12/07/73-11/07/74	12	6.62	6.631	6.84	6.46	0.012	0.11	6.472	6.538	6.715	6.813
00406	CONVERTED PH, FIELD, STANDARD UNITS	12/07/73-11/07/74	12	6.62	6.618	6.84	6.46	0.012	0.11	6.472	6.538	6.715	6.813
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/07/73-11/07/74	12	0.24	0.241	0.347	0.145	0.004	0.059	0.155	0.193	0.291	0.338
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	12/07/73-11/07/74	12	20.	19.583	30.	15.	15.72	3.965	15.	16.25	20.	27.
00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	12	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	12	62.5	69.167	130.	30.	1081.061	32.879	31.5	41.25	96.25	127.
47002	ACIDITY, FREE (METHYL RED) (MG/L AS CACO3)	12/07/73-11/07/74	12 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

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

EPA Water Quality Criteria Analysis for Station: OBRI0006

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	12	2	0.17	4	0	0.00	5	1	0.20	3	1	0.33			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	12	2	0.17	4	2	0.50	5	0	0.00	3	0	0.00			

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

Station Inventory for Station: OBRI0007

NPS Station ID: OBRI0007
LAT/LON: 36.151392/ -84.574726
Agency: 131TVAC
Date Created: / /
Location:
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475311 /3524
RMI-Indexes: 1021500 007720 00920 7930 0250
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 041.47
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: CLINCH RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: EMORY RIVER 41.47
ECO Region:
RF1 Index: 06010208006
RF1 Mile Point: 10.250
Distance from RF1: 1.20
On/Off RF1: OFF
RF3 Index: 06010208000503.77
RF3 Mile Point: 3.76
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/27/67-04/22/68	10	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/27/67-04/22/68	10	13.	12.15	18.2	0.	34.787	5.898	0.7	7.75	17.9	18.17
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/27/67-04/22/68	10	39.	161.8	1260.	1.	150319.511	387.711	1.2	4.5	92.25	1144.5
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/27/67-04/22/68	6	27.5	28.167	45.	4.	206.167	14.359	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	09/27/67-04/22/68	6	12.5	14.167	35.	5.	124.167	11.143	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/27/67-04/22/68	6	72.	85.833	160.	52.	1593.367	39.917	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/27/67-04/22/68	10	9.65	9.66	13.3	6.5	4.874	2.208	6.53	7.85	11.575	13.18
00310	BOD, 5 DAY, 20 DEG C MG/L	09/27/67-04/22/68	6	2.1	1.9	3.3	0.5	0.976	0.988	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	09/27/67-04/22/68	6	7.5	7.667	14.	3.	14.267	3.777	**	**	**	**
00400	PH (STANDARD UNITS)	09/27/67-04/22/68	10	6.95	6.78	7.8	5.6	0.473	0.688	5.63	6.125	7.3	7.75
00400	CONVERTED PH (STANDARD UNITS)	09/27/67-04/22/68	10	6.947	6.299	7.8	5.6	0.73	0.854	5.63	6.125	7.3	7.75
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/27/67-04/22/68	10	0.113	0.502	2.512	0.016	0.65	0.806	0.019	0.05	0.788	2.387
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/27/67-04/22/68	10	14.	18.	50.	8.	169.778	13.03	8.1	9.	21.	48.
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/27/67-04/22/68	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500	RESIDUE, TOTAL (MG/L)	10/17/67-04/22/68	5	60.	58.	70.	40.	170.	13.038	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/17/67-04/22/68	5	50.	48.	60.	30.	170.	13.038	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/27/67-04/22/68	6	0.165	0.15	0.22	0.05	0.005	0.071	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/27/67-04/22/68	6 ##	0.043	0.054	0.12	0.005	0.003	0.055	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/27/67-04/22/68	6 ##	0.005	0.012	0.04	0.005	0.	0.014	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/27/67-04/22/68	6	0.05	0.048	0.11	0.005	0.002	0.042	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/27/67-04/22/68	6	0.039	0.045	0.082	0.023	0.	0.02	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/27/67-04/22/68	6	0.026	0.03	0.062	0.016	0.	0.017	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/27/67-04/22/68	9	5.	5.222	10.	1.	7.944	2.819	1.	3.	7.5	10.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/27/67-04/22/68	9	3.	3.611	6.	2.5	1.299	1.14	2.5	2.75	4.25	6.
00929	SODIUM, TOTAL (MG/L AS NA)	09/27/67-04/22/68	6	1.35	1.417	1.9	1.	0.134	0.366	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	09/27/67-04/22/68	6	1.45	1.55	2.5	0.6	0.515	0.718	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/27/67-04/22/68	10	2.	3.25	14.	0.5	15.403	3.925	0.55	1.	3.25	13.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/27/67-04/22/68	10	20.	21.8	43.	13.	72.4	8.509	13.2	16.5	23.5	41.5
00956	SILICA, TOTAL (MG/L AS SI02)	09/27/67-04/22/68	6	5.1	9.45	35.	1.5	159.047	12.611	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/27/67-04/22/68	5	10.	64.	200.	5.	7417.5	86.125	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/27/67-04/22/68	9	640.	937.778	3500.	320.	966019.444	982.863	320.	430.	890.	3500.
01046	IRON, DISSOLVED (UG/L AS FE)	09/27/67-02/14/68	9	200.	218.889	420.	70.	11861.111	108.909	70.	140.	310.	420.
01047	IRON, FERROUS (UG/L AS FE)	09/27/67-04/22/68	10	125.	135.	350.	25.	11555.556	107.497	25.	43.75	212.5	340.
01055	MANGANESE, TOTAL (UG/L AS MN)	09/27/67-04/22/68	5	70.	86.	140.	30.	2230.	47.223	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/27/67-02/14/68	5	70.	68.	100.	40.	570.	23.875	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/27/67-04/22/68	6	45.	61.667	110.	30.	1176.667	34.303	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	09/27/67-04/22/68	6	490.	952.667	3600.	36.	1787810.667	1337.09	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	09/27/67-04/22/68	6	2.674	2.606	3.556	1.556	0.468	0.684	**	**	**	**

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

Parameter Inventory for Station: OBRI0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			404.04								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/27/67-04/22/68	6	49.	88.667	360.	3.	18300.667	135.28	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/27/67-04/22/68	6	1.674	1.521	2.556	0.477	0.526	0.725	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			33.225								
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	09/27/67-04/22/68	9	25.	27.889	50.	13.	146.611	12.108	13.	17.5	37.	50.

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

EPA Water Quality Criteria Analysis for Station: OBRI0007

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	10	0	0.00	3	0	0.00	6	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	10	0	0.00	3	0	0.00	6	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	10	3	0.30	3	3	1.00	6	0	0.00	1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	10	0	0.00	3	0	0.00	6	0	0.00	1	0	0.00			
		Drinking Water	250.	10	0	0.00	3	0	0.00	6	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	10	0	0.00	3	0	0.00	6	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5	2	0.40	1	0	0.00	3	1	0.33	1	1	1.00			
		Drinking Water	1300.	5	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	5000.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	6	1	0.17	1	1	1.00	4	0	0.00	1	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	6	1	0.17	1	0	0.00	4	1	0.25	1	0	0.00			

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

Station Inventory for Station: OBRI0008

NPS Station ID: OBRI0008
LAT/LON: 36.082226/ -84.576115
Agency: 21TNWQ
Date Created: 12/18/82
Location: CROOKED FK 4.2 D/S POTTER'S FALLS QUAD 122SE
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 000709
RMI-Indexes: 1021500 007720 00920 7930 0250 0900
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 023.82 004.20
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: CLINCH RIVER
ECO Region:
RF1 Index: 06010208004
RF1 Mile Point: 4.080
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 06010208054400.76
RF3 Mile Point: 2.48
Distance from RF3: 0.28
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/05/83-12/10/87	15	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/22/82-10/11/88	18	13.15	13.406	23.5	4.	43.049	6.561	4.9	7.625	20.	23.05
00080	COLOR (PLATINUM-COBALT UNITS)	03/15/88-10/11/88	3	21.	18.	25.	8.	79.	8.888	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	10/11/88-10/11/88	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/30/83-10/11/88	8	209.5	264.875	488.	150.	15126.982	122.992	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/22/82-10/11/88	19	10.2	10.363	12.8	8.	2.057	1.434	8.4	9.	11.8	12.1
00310	BOD, 5 DAY, 20 DEG C MG/L	11/22/82-10/11/88	18 ##	2.5	2.028	2.5	0.5	0.661	0.813	0.5	1.375	2.5	2.5
00335	COD, .025N K2CR2O7 MG/L	11/22/82-10/11/88	17 ##	2.5	8.306	38.	2.5	113.241	10.641	2.5	2.5	9.85	32.4
00403	PH, LAB, STANDARD UNITS SU	11/22/82-10/11/88	19	7.1	6.995	8.	3.2	1.072	1.035	6.3	6.9	7.5	7.9
00403	CONVERTED PH, LAB, STANDARD UNITS	11/22/82-10/11/88	19	7.1	4.477	8.	3.2	7.761	2.786	6.3	6.9	7.5	7.9
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/22/82-10/11/88	19	0.079	33.317	630.957	0.01	20945.439	144.725	0.013	0.032	0.126	0.501
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/22/82-10/11/88	18	18.5	30.528	174.	0.5	1486.837	38.56	8.15	11.	32.5	66.9
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	11/22/82-10/11/88	17	5.	5.588	19.	1.	18.882	4.345	1.	2.5	6.5	12.6
00500	RESIDUE, TOTAL (MG/L)	11/22/82-10/11/88	19	159.	227.474	642.	100.	21210.708	145.639	104.	117.	336.	437.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	11/22/82-10/11/88	17	122.	197.	616.	78.	19563.875	139.871	90.	103.5	280.5	409.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/22/82-10/11/88	19	7.	14.526	137.	0.5	943.68	30.719	0.5	1.	10.	30.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/05/83-10/11/88	17	0.04	0.056	0.2	0.01	0.002	0.046	0.018	0.03	0.07	0.136
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/22/82-10/11/88	18	0.41	0.519	1.44	0.13	0.132	0.363	0.139	0.255	0.72	1.179
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	11/30/83-10/11/88	16	0.35	0.356	0.7	0.1	0.037	0.193	0.1	0.2	0.55	0.63
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/22/82-10/11/88	18	0.05	0.083	0.25	0.01	0.005	0.068	0.019	0.04	0.118	0.205
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/15/84-10/11/88	3	121.	125.667	192.	64.	4112.333	64.127	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	11/22/82-10/11/88	14	35.1	52.843	152.	16.	1437.558	37.915	19.	29.	68.95	128.5
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/22/82-10/11/88	13	6.8	8.454	16.6	2.	22.296	4.722	2.6	5.25	12.45	16.48
00940	CHLORIDE,TOTAL IN WATER MG/L	12/11/84-12/11/84	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/05/83-06/23/87	11	70.	95.727	250.	34.	4353.818	65.983	35.6	53.	146.	233.6
01002	ARSENIC, TOTAL (UG/L AS AS)	11/22/82-10/11/88	18 ##	1.	1.278	5.	0.5	1.183	1.088	0.5	0.5	2.	2.3
01027	CADMIUM, TOTAL (UG/L AS CD)	11/22/82-10/11/88	19 ##	1.	1.084	3.	0.1	0.524	0.724	0.5	1.	1.	3.
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/22/82-10/11/88	18 ##	5.	4.861	12.	0.5	8.553	2.925	0.5	4.25	5.25	10.2
01042	COPPER, TOTAL (UG/L AS CU)	11/22/82-10/11/88	19	5.	5.526	13.	1.	13.041	3.611	2.5	2.5	9.	12.
01045	IRON, TOTAL (UG/L AS FE)	11/22/82-10/11/88	18	551.5	715.111	2900.	48.	508130.693	712.833	82.2	180.75	805.	2000.
01051	LEAD, TOTAL (UG/L AS PB)	11/22/82-10/11/88	19 ##	5.	6.921	24.	2.5	32.48	5.699	2.5	5.	5.	20.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/22/82-10/11/88	18	410.	360.056	750.	17.	50791.703	225.37	19.7	135.5	496.25	731.1
01067	NICKEL, TOTAL (UG/L AS NI)	11/22/82-10/11/88	18 ##	10.	13.333	40.	5.	99.765	9.988	6.8	10.	10.	38.2
01092	ZINC, TOTAL (UG/L AS ZN)	11/22/82-10/11/88	19	23.	28.553	106.	2.5	724.775	26.922	2.5	6.	34.	69.
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/22/82-10/11/88	16	350.	402.813	1500.	40.	141953.229	376.767	47.	126.25	445.	1045.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/88-10/11/88	2 ##	12.5	12.5	20.	5.	112.5	10.607	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/88-10/11/88	2 ##	1.	1.	1.301	0.699	0.181	0.426	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.								

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

Parameter Inventory for Station: OBRI0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/88-10/11/88	2 ##	17.5	17.5	30.	5.	312.5	17.678	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/31/88-10/11/88	2 ##	1.088	1.088	1.477	0.699	0.303	0.55	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			12.247								
71900	MERCURY, TOTAL (UG/L AS HG)	11/22/82-10/11/88	19 ##	0.1	0.105	0.2	0.1	0.001	0.023	0.1	0.1	0.1	0.1

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

EPA Water Quality Criteria Analysis for Station: OBRI0008

				Total	Exceed	Prop.	----------7/01-10/14----------			----------10/15-3/14----------			----------3/15-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	19	0	0.00	5	0	0.00	8	0	0.00	6	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	19	0	0.00	5	0	0.00	8	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	19	4	0.21	5	1	0.20	8	2	0.25	6	1	0.17			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	18	0	0.00	4	0	0.00	9	0	0.00	5	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	11	1	0.09	3	1	0.33	5	0	0.00	3	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	18	0	0.00	4	0	0.00	8	0	0.00	6	0	0.00			
		Drinking Water	50.	18	0	0.00	4	0	0.00	8	0	0.00	6	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	19	0	0.00	5	0	0.00	8	0	0.00	6	0	0.00			
		Drinking Water	5.	19	0	0.00	5	0	0.00	8	0	0.00	6	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	18	0	0.00	5	0	0.00	8	0	0.00	5	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	19	0	0.00	5	0	0.00	8	0	0.00	6	0	0.00			
		Drinking Water	1300.	19	0	0.00	5	0	0.00	8	0	0.00	6	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	19	0	0.00	5	0	0.00	8	0	0.00	6	0	0.00			
		Drinking Water	15.	19	2	0.11	5	1	0.20	8	1	0.13	6	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	18	0	0.00	5	0	0.00	8	0	0.00	5	0	0.00			
		Drinking Water	100.	18	0	0.00	5	0	0.00	8	0	0.00	5	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	19	0	0.00	5	0	0.00	8	0	0.00	6	0	0.00			
		Drinking Water	5000.	19	0	0.00	5	0	0.00	8	0	0.00	6	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00	1	0	0.00				1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	19	0	0.00	5	0	0.00	8	0	0.00	6	0	0.00			
		Drinking Water	2.	19	0	0.00	5	0	0.00	8	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: OBRI0009

NPS Station ID: OBRI0009
LAT/LON: 36.082226/ -84.576392
Agency: 112WRD
Date Created: 01/25/77
Location: CROOKED FORK AT WARTBURG, TN
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03539900
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208004
RF1 Mile Point: 3.980
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 06010208017200.00
RF3 Mile Point: 0.00
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/21/75-09/13/76	16	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/21/75-09/13/76	16	10.25	12.075	23.	1.5	55.169	7.428	1.5	6.35	18.9	22.3
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/15/75-06/14/76	10	26.5	46.12	104.	0.2	1564.722	39.557	1.68	16.5	90.	103.8
00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/21/75-09/13/76	14	2.5	3.314	7.4	1.	4.535	2.13	1.2	1.6	4.5	7.4
00080	COLOR (PLATINUM-COBALT UNITS)	01/21/75-09/13/76	14	4.	4.143	10.	1.	8.44	2.905	1.	1.	6.25	9.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/21/75-09/13/76	14	145.	183.571	390.	110.	7609.341	87.232	115.	127.5	202.5	375.
00300	OXYGEN, DISSOLVED MG/L	01/21/75-09/13/76	15	10.5	10.56	13.4	8.5	2.937	1.714	8.5	8.7	11.9	13.4
00310	BOD, 5 DAY, 20 DEG C MG/L	03/09/76-08/03/76	2 ##	0.9	0.9	1.3	0.5	0.32	0.566	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	01/21/75-09/13/76	14	4.	3.75	6.	0.5	2.413	1.554	1.25	2.75	5.	6.
00400	PH (STANDARD UNITS)	01/21/75-09/13/76	15	7.1	7.093	8.1	6.4	0.296	0.544	6.4	6.6	7.5	8.04
00400	CONVERTED PH (STANDARD UNITS)	01/21/75-09/13/76	15	7.1	6.841	8.1	6.4	0.364	0.604	6.4	6.6	7.5	8.04
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/21/75-09/13/76	15	0.079	0.144	0.398	0.008	0.019	0.138	0.009	0.032	0.251	0.398
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/75-09/13/76	15	11.	13.733	29.	9.	27.781	5.271	9.6	10.	17.	23.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/21/75-09/13/76	14	3.5	4.679	19.	0.5	20.37	4.513	0.75	2.	6.	12.5
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/21/75-09/13/76	14	0.085	0.079	0.15	0.01	0.002	0.043	0.015	0.04	0.113	0.14
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/21/75-09/13/76	14	0.045	0.046	0.08	0.01	0.	0.021	0.015	0.03	0.063	0.08
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/21/75-09/13/76	14	0.265	0.263	0.4	0.04	0.009	0.095	0.1	0.21	0.35	0.375
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/21/75-09/13/76	14	0.02	0.03	0.1	0.01	0.001	0.023	0.015	0.02	0.03	0.08
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	01/21/75-09/13/76	14 ##	0.005	0.013	0.08	0.005	0.	0.02	0.005	0.005	0.01	0.055
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/21/75-09/13/76	14	48.	70.357	200.	41.	2243.94	47.37	41.	41.75	76.5	175.
00916	CALCIUM, TOTAL (MG/L AS CA)	01/21/75-09/13/76	14	11.	15.214	37.	9.	76.027	8.719	9.	9.	18.	34.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	01/21/75-09/13/76	14	5.15	7.95	30.	4.1	48.312	6.951	4.25	4.55	7.65	22.5
00929	SODIUM, TOTAL (MG/L AS NA)	01/21/75-09/13/76	14	4.55	4.65	7.5	1.6	2.329	1.526	2.45	3.6	5.625	7.1
00937	POTASSIUM, TOTAL MG/L AS K)	01/21/75-09/13/76	14	1.15	1.4	2.8	0.8	0.34	0.583	0.85	1.075	1.6	2.5
00940	CHLORIDE,TOTAL IN WATER MG/L	01/21/75-09/13/76	14	4.	3.643	5.	2.	0.709	0.842	2.5	3.	4.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/21/75-09/13/76	14	47.	86.429	210.	32.	4703.648	68.583	32.5	38.75	165.	205.
00951	FLUORIDE, TOTAL (MG/L AS F)	01/21/75-09/13/76	14 ##	0.05	0.058	0.11	0.05	0.	0.02	0.05	0.05	0.05	0.105
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/21/75-09/13/76	14	6.2	6.35	7.8	5.1	0.532	0.729	5.4	5.95	6.65	7.7
01045	IRON, TOTAL (UG/L AS FE)	01/21/75-09/13/76	14	440.	512.857	1100.	90.	97898.901	312.888	145.	255.	725.	1100.
01046	IRON, DISSOLVED (UG/L AS FE)	01/21/75-09/13/76	14	110.	198.929	710.	25.	56654.533	238.022	25.	25.	280.	710.
01055	MANGANESE, TOTAL (UG/L AS MN)	01/21/75-09/13/76	13	350.	313.846	500.	60.	20942.308	144.715	80.	180.	410.	500.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/21/75-09/13/76	13	350.	297.692	500.	20.	23035.897	151.776	44.	165.	385.	500.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/09/76-08/03/76	2	410.	410.	670.	150.	135200.	367.696	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/09/76-08/03/76	2	2.501	2.501	2.826	2.176	0.211	0.46	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			317.017								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/21/75-09/13/76	14	95.	117.857	260.	70.	3756.593	61.291	75.	80.	122.5	255.
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/15/75-06/14/76	10	8.465	11.303	30.3	0.08	97.963	9.898	0.393	3.233	19.575	29.52
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	01/21/75-09/13/76	14	0.13	0.161	0.35	0.1	0.007	0.082	0.105	0.11	0.165	0.345

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

EPA Water Quality Criteria Analysis for Station: OBRI0009

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	14	0	0.00	3	0	0.00	7	0	0.00	4	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	15	0	0.00	3	0	0.00	8	0	0.00	4	0	0.00			
00400	PH	Fresh Chronic	9.	15	0	0.00	3	0	0.00	8	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	15	3	0.20	3	0	0.00	8	3	0.38	4	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	14	0	0.00	3	0	0.00	7	0	0.00	4	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	14	0	0.00	3	0	0.00	7	0	0.00	4	0	0.00			
		Drinking Water	250.	14	0	0.00	3	0	0.00	7	0	0.00	4	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	14	0	0.00	3	0	0.00	7	0	0.00	4	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	14	0	0.00	3	0	0.00	7	0	0.00	4	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	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: OBRI0010

NPS Station ID: OBRI0010
LAT/LON: 36.081948/ -84.576392
Agency: 112WRD
Date Created: 01/21/84
Location: CROOKED FORK CREEK 4.22
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 360455084343500
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 1.00
On/Off RF1:
RF3 Index: 06010208000200.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/13/76-12/13/76	4	7.75	8.	12.5	4.	14.167	3.764	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/67-12/13/76	20	32.	122.7	1550.	2.	116742.221	341.676	2.2	6.	57.	217.4
00070	TURBIDITY, (JACKSON CANDLE UNITS)	11/17/75-12/13/76	12	3.5	3.375	7.	0.5	3.96	1.99	0.65	2.	4.75	6.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/67-12/13/76	12	240.	296.583	720.	99.	40460.083	201.147	99.3	152.5	450.	681.
00300	OXYGEN, DISSOLVED MG/L	06/23/67-12/13/76	16	9.7	10.206	12.8	7.5	2.734	1.653	8.2	8.925	11.85	12.8
00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-10/13/76	10 ##	0.5	1.31	5.3	0.5	2.681	1.637	0.5	0.5	1.625	5.09
00400	PH (STANDARD UNITS)	06/23/67-12/13/76	16	6.9	6.519	7.8	4.7	0.99	0.995	4.84	5.55	7.325	7.66
00400	CONVERTED PH (STANDARD UNITS)	06/23/67-12/13/76	16	6.889	5.566	7.8	4.7	1.957	1.399	4.84	5.55	7.325	7.66
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/67-12/13/76	16	0.129	2.714	19.953	0.016	31.505	5.613	0.022	0.05	3.236	14.798
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/23/67-12/13/76	14	6.5	8.5	21.	1.	42.885	6.549	1.5	3.75	12.	20.5
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/67-12/13/76	11	0.17	0.17	0.49	0.005	0.021	0.146	0.005	0.05	0.22	0.456
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/18/76-12/13/76	2	0.2	0.2	0.28	0.12	0.013	0.113	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/67-12/13/76	11	0.033	0.041	0.09	0.013	0.001	0.024	0.014	0.02	0.062	0.084
00940	CHLORIDE,TOTAL IN WATER MG/L	10/18/76-12/13/76	3	6.	6.333	8.	5.	2.333	1.528	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-12/13/76	16	79.	96.063	260.	25.	4719.263	68.697	31.3	40.5	155.	211.
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/18/76-12/13/76	3	5.1	5.433	6.6	4.6	1.083	1.041	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/23/67-04/22/68	8 ##	5.	21.875	90.	5.	999.554	31.616	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/23/67-12/13/76	15	630.	917.333	2800.	130.	643863.81	802.411	142.	350.	1200.	2560.
01046	IRON, DISSOLVED (UG/L AS FE)	10/18/76-12/13/76	3	140.	150.	230.	80.	5700.	75.498	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/67-12/13/76	12	675.	1264.167	4100.	30.	1919171.97	1385.342	90.	285.	2450.	3890.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/15/75-12/13/76	4	225.	255.	560.	10.	52966.667	230.145	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/67-04/22/68	8	105.	121.25	240.	40.	4441.071	66.641	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/13/76-10/13/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/13/76-10/13/76	1 ##	0.699	0.699	0.699	0.699	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/18/76-12/13/76	3	120.	130.	200.	70.	4300.	65.574	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0010

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	12	0	0.00	2	0	0.00	8	0	0.00	2	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	16	0	0.00	5	0	0.00	9	0	0.00	2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: OBRI0010

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	16	0	0.00	5	0	0.00	9	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	16	7	0.44	5	4	0.80	9	2	0.22	2	1	0.50			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00				2	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00				3	0	0.00						
		Drinking Water	250.	3	0	0.00				3	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	16	1	0.06	5	0	0.00	9	1	0.11	2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	2	0.25	3	0	0.00	3	1	0.33	2	1	0.50			
		Drinking Water	1300.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	8	3	0.38	3	2	0.67	3	1	0.33	2	0	0.00			
		Drinking Water	5000.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: OBRI0011

NPS Station ID: OBRI0011
LAT/LON: 36.081948/ -84.576392
Agency: 131TVAC
Date Created: / /
Location:
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475162 /3542
RMI-Indexes: 1021500 007720 00920 7930 0250 0900
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 023.82 004.22
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: CLINCH RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: CROOKED FORK CREEK 4.22
ECO Region:
RF1 Index: 06010208004
RF1 Mile Point: 3.980
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 06010208002002.14
RF3 Mile Point: 2.13
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-12/13/76	17	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-04/22/68	13	15.	14.215	24.4	1.	47.253	6.874	2.6	9.25	19.75	23.44
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/23/67-12/13/76	11	15.	19.645	45.	2.6	260.763	16.148	2.88	5.5	35.	44.
00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-12/13/76	12	7.5	10.208	30.	2.5	64.157	8.01	3.25	5.	13.75	27.
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	10/15/75-12/13/76	16	11.5	12.188	21.	2.	26.029	5.102	4.1	10.	15.	20.3
00335	COD, .025N K2CR2O7 MG/L	06/23/67-12/13/76	12	8.	9.417	18.	4.	22.992	4.795	4.3	6.25	14.25	17.7
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/23/67-12/13/76	29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500	RESIDUE, TOTAL (MG/L)	06/23/67-02/14/68	7	210.	250.	420.	60.	18900.	137.477	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/23/67-02/14/68	7	170.	224.286	410.	60.	16361.905	127.914	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/18/76-12/13/76	3	2.	4.5	11.	0.5	32.25	5.679	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/67-12/13/76	11	0.01	0.038	0.13	0.005	0.003	0.052	0.005	0.005	0.09	0.13
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/23/67-04/22/68	9	0.01	0.017	0.04	0.005	0.	0.011	0.005	0.01	0.025	0.04
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/23/67-04/22/68	9	0.22	0.317	1.2	0.14	0.111	0.333	0.14	0.18	0.25	1.2
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/67-12/13/76	12	0.02	0.02	0.08	0.002	0.	0.021	0.002	0.006	0.023	0.063
00916	CALCIUM, TOTAL (MG/L AS CA)	06/23/67-12/13/76	15	16.	18.	37.	3.	148.964	12.205	3.6	7.	32.	36.4
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/67-12/13/76	15	12.	14.5	28.	3.4	76.637	8.754	4.06	7.	26.	28.
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-12/13/76	12	5.85	7.725	23.8	1.	42.729	6.537	1.48	2.95	10.925	21.34
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-12/13/76	12	1.65	2.167	4.9	0.7	1.821	1.349	0.82	1.125	3.425	4.63
00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-04/22/68	13	4.	4.615	12.	1.	7.923	2.815	1.4	3.	6.	10.
00951	FLUORIDE, TOTAL (MG/L AS F)	10/18/76-12/13/76	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-04/22/68	9	5.3	5.011	6.8	1.	2.739	1.655	1.	4.7	6.05	6.8
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/67-02/14/68	11	240.	487.273	2500.	80.	500221.818	707.264	82.	90.	550.	2158.
01047	IRON, FERROUS (UG/L AS FE)	07/28/67-04/22/68	8	100.	281.25	1200.	50.	154241.071	392.735	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/67-02/14/68	7	1900.	1994.286	4200.	430.	2043195.238	1429.404	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/23/67-04/22/68	9	220.	421.111	2300.	1.	524457.861	724.195	1.	12.5	395.	2300.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/23/67-04/22/68	9	2.342	1.954	3.362	0.	1.088	1.043	0.	1.079	2.595	3.362
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			89.851								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/22/68	9	3.	294.556	2300.	1.	570109.778	755.056	1.	1.	160.	2300.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/22/68	9	0.477	1.101	3.362	0.	1.535	1.239	0.	0.	2.204	3.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			12.621								
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/23/67-12/13/76	28	72.5	86.143	210.	21.	3327.608	57.685	30.9	41.25	110.	200.

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

EPA Water Quality Criteria Analysis for Station: OBRI0011

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	11	0	0.00	3	0	0.00	6	0	0.00	2	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	13	0	0.00	5	0	0.00	6	0	0.00	2	0	0.00			
		Drinking Water	250.	13	0	0.00	5	0	0.00	6	0	0.00	2	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	3	0	0.00				3	0	0.00						
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	9	1	0.11	3	0	0.00	4	0	0.00	2	1	0.50			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	9	1	0.11	3	0	0.00	4	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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station OBRI0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/23/67-12/13/76	8	0.	0.	0.	0.	0.	0.	**	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/23/67-12/13/76	8	150.	145.25	210.	70.	2877.643	53.644	**	**	**	**

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

Seasonal Analysis for Season #2: 10/15 to 3/14 - Station OBRI0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/23/67-12/13/76	15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/23/67-12/13/76	14	46.	64.5	200.	21.	2156.577	46.439	25.5	38.5	81.5	155.

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/23/67-12/13/76	6	0.	0.	0.	0.	0.	0.	**	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/23/67-12/13/76	6	52.	57.833	91.	36.	470.167	21.683	**	**	**	**

** - 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 box-and-whisker plot

Station Inventory for Station: OBRI0012

NPS Station ID: OBRI0012
LAT/LON: 36.160003/ -84.584727
Agency: 131TVAC
Date Created: / /
Location: 0.4 MILE NNW OF ELIZABETH SCHOOL
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475316 /3605
RMI-Indexes: 1021500 007720 00920 7930 0250 1370
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 040.88 000.61
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: CLINCH RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: GREASY CREEK 0.61
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 1.00
On/Off RF1:
RF3 Index: 06010208002000.00
RF3 Mile Point: 0.00
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/04/67-04/22/68	7	1.	1.	1.	1.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/27/67-04/22/68	8	13.25	11.438	17.5	0.	40.317	6.35	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/27/67-04/22/68	8	9.	18.238	70.	0.9	544.423	23.333	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/27/67-04/22/68	6	15.	22.	50.	3.	429.2	20.717	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	09/27/67-04/22/68	6	10.	14.583	35.	2.5	161.042	12.69	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/27/67-04/22/68	6	38.5	49.833	99.	27.	820.967	28.653	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/27/67-04/22/68	8	9.2	9.75	13.7	6.4	6.771	2.602	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/27/67-04/22/68	6	1.55	1.733	3.2	1.	0.655	0.809	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	09/27/67-04/22/68	6	8.5	8.167	10.	6.	3.367	1.835	**	**	**	**
00400	PH (STANDARD UNITS)	09/27/67-04/22/68	8	6.9	6.938	8.2	6.2	0.351	0.593	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/27/67-04/22/68	8	6.9	6.701	8.2	6.2	0.415	0.644	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/27/67-04/22/68	8	0.126	0.199	0.631	0.006	0.039	0.197	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/27/67-04/22/68	8	10.5	10.5	20.	5.	27.714	5.264	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/27/67-04/22/68	8	0.	0.	0.	0.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/17/67-04/22/68	5	20.	36.	80.	20.	680.	26.077	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/17/67-04/22/68	5	20.	20.	30.	10.	50.	7.071	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/27/67-04/22/68	6	0.15	0.227	0.67	0.05	0.05	0.224	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/27/67-04/22/68	6 ##	0.005	0.015	0.05	0.005	0.	0.018	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/27/67-04/22/68	6 ##	0.008	0.011	0.02	0.005	0.	0.007	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/27/67-04/22/68	6 ##	0.008	0.008	0.01	0.005	0.	0.003	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/27/67-04/22/68	6	0.025	0.03	0.052	0.016	0.	0.013	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/27/67-04/22/68	6	0.025	0.027	0.039	0.016	0.	0.01	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/27/67-04/22/68	7	2.	1.75	3.	0.25	0.854	0.924	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/27/67-04/22/68	7	2.	1.714	2.5	1.	0.321	0.567	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/27/67-04/22/68	6	1.6	1.5	2.1	0.9	0.268	0.518	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	09/27/67-04/22/68	6	1.15	1.35	2.5	0.5	0.527	0.726	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/27/67-04/22/68	8	2.	2.75	9.	1.	6.786	2.605	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/27/67-04/22/68	8	9.5	10.625	21.	5.	29.982	5.476	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	09/27/67-04/22/68	6	5.4	4.783	6.	2.3	2.274	1.508	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/27/67-04/22/68	5	20.	18.	40.	5.	207.5	14.405	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/27/67-04/22/68	7	640.	1168.571	4200.	220.	2004380.952	1415.762	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/27/67-12/05/67	6	190.	188.333	330.	50.	9696.667	98.472	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	09/27/67-04/22/68	8 ##	25.	59.375	150.	25.	2488.839	49.888	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/27/67-04/22/68	5	20.	26.	50.	10.	330.	18.166	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/27/67-12/05/67	4 ##	12.5	20.	50.	5.	450.	21.213	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/27/67-04/22/68	5	90.	68.	100.	10.	1420.	37.683	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	09/27/67-04/22/68	6	320.	320.	620.	17.	72643.6	269.525	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	09/27/67-04/22/68	6	2.502	2.197	2.792	1.23	0.507	0.712	**	**	**	**

** - Less than 9 observations ## - 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: OBRI0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			157.303								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/27/67-04/22/68	6	9.	20.	62.	1.	582.4	24.133	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/27/67-04/22/68	6	0.954	0.956	1.792	0.	0.441	0.664	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.031								
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	09/27/67-12/05/67	6	13.	12.833	18.	7.	12.967	3.601	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0012

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	6	1	0.17	1	1	1.00	4	0	0.00	1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	8	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	8	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	8	2	0.25	3	2	0.67	4	0	0.00	1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	250.	8	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	8	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5	3	0.60	1	0	0.00	3	2	0.67	1	1	1.00			
		Drinking Water	1300.	5	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00			
		Drinking Water	5000.	5	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	6	0	0.00	1	0	0.00	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

Station Inventory for Station: OBRI0013

NPS Station ID: OBRI0013
LAT/LON: 36.149448/ -84.597226
Agency: 112WRD
Date Created: 08/18/79
Location: EMORY RIVER AT GOBEY, TN(035382968)
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 360858084355000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 7.80
On/Off RF1:
RF3 Index: 06010208003500.93
RF3 Mile Point: 1.97
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/24/79-08/18/81	9	16.	13.778	23.5	0.	61.569	7.847	0.	7.75	21.25	23.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/24/79-08/18/81	9	43.	185.8	854.	0.2	103036.66	320.993	0.2	8.	343.5	854.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/24/79-08/18/81	9	105.	106.111	175.	67.	1084.111	32.926	67.	75.	118.5	175.
00300	OXYGEN, DISSOLVED MG/L	02/14/81-05/06/81	3	11.9	11.467	13.7	8.8	6.143	2.479	**	**	**	**
00400	PH (STANDARD UNITS)	05/24/79-08/18/81	9	6.9	6.689	7.2	4.6	0.629	0.793	4.6	6.8	7.	7.2
00400	CONVERTED PH (STANDARD UNITS)	05/24/79-08/18/81	9	6.9	5.538	7.2	4.6	2.118	1.455	4.6	6.8	7.	7.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/24/79-08/18/81	9	0.126	2.895	25.119	0.063	69.459	8.334	0.063	0.1	0.158	25.119
00403	PH, LAB, STANDARD UNITS SU	02/14/81-08/18/81	4	6.9	6.925	7.1	6.8	0.022	0.15	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/14/81-08/18/81	4	6.889	6.906	7.1	6.8	0.023	0.152	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/14/81-08/18/81	4	0.129	0.124	0.158	0.079	0.002	0.041	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/24/79-08/18/81	9	19.	21.	46.	4.	207.75	14.414	4.	9.5	32.5	46.
00435	ACIDITY, TOTAL (MG/L AS CACO3)	03/21/80-05/06/81	3	5.	4.667	5.	4.	0.333	0.577	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/18/81-08/18/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/18/81-08/18/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/18/81-08/18/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/18/81-08/18/81	1	63.	63.	63.	63.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/18/81-08/18/81	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/18/81-08/18/81	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/18/81-08/18/81	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/18/81-08/18/81	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/18/81-08/18/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/18/81-08/18/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/18/81-08/18/81	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/18/81-08/18/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/24/79-08/18/81	9	30.	28.222	40.	15.	84.944	9.217	15.	20.	37.5	40.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/18/81-08/18/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/18/81-08/18/81	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/18/81-08/18/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/06/79-08/18/81	3	0.	1.667	5.	0.	8.333	2.887	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/18/81-08/18/81	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/18/81-08/18/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-08/18/81	3 ##	5.	3.5	5.	0.5	6.75	2.598	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-08/18/81	3	10.	11.667	20.	5.	58.333	7.638	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/18/81-08/18/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/06/79-08/18/81	3 ##	5.	10.	20.	5.	75.	8.66	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/18/81-08/18/81	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/06/79-08/18/81	3 ##	5.	10.	20.	5.	75.	8.66	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	05/24/79-08/18/81	8	370.	1582.5	6400.	0.	5385650.	2320.7	**	**	**	**

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Parameter Inventory for Station: OBRI0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	05/24/79-08/18/81	8	470.	1696.25	6400.	170.	5199712.5	2280.288	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/24/79-08/18/81	9	80.	87.778	170.	30.	1769.444	42.065	30.	60.	115.	170.
01051	LEAD, TOTAL (UG/L AS PB)	08/18/81-08/18/81	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/06/79-08/18/81	3	20.	16.667	20.	10.	33.333	5.774	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/06/79-08/18/81	3	220.	243.333	340.	170.	7633.333	87.369	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/24/79-08/18/81	9	20.	46.667	160.	0.	3250.	57.009	0.	0.	90.	160.
01055	MANGANESE, TOTAL (UG/L AS MN)	05/24/79-08/18/81	7	140.	127.143	300.	30.	9057.143	95.169	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/24/79-08/18/81	9	40.	68.889	230.	10.	4886.111	69.901	10.	25.	105.	230.
01077	SILVER, TOTAL (UG/L AS AG)	08/18/81-08/18/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/18/81-08/18/81	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/06/79-08/18/81	3	37.	35.	50.	18.	259.	16.093	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/18/81-08/18/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/06/79-08/18/81	3	0.	0.167	0.5	0.	0.083	0.289	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/06/79-08/18/81	3	16000.	16433.333	28000.	5300.	128963333.333	11356.202	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/14/81-08/18/81	4	68.5	73.5	98.	59.	307.	17.521	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/18/81-08/18/81	1	93.	93.	93.	93.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	02/14/81-08/18/81	4	4.7	5.313	11.4	0.45	23.566	4.854	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/14/81-08/18/81	4	0.095	0.1	0.13	0.08	0.	0.022	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/24/79-03/21/80	2	60.5	60.5	66.	55.	60.5	7.778	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	03/21/80-05/06/81	3	0.09	0.08	0.1	0.05	0.001	0.026	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/18/81-08/18/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/18/81-08/18/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/06/79-08/18/81	3	0.	0.002	0.005	0.	0.	0.003	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/24/79-05/06/81	8	7.	41.375	224.	2.	6049.125	77.776	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/24/79-05/06/81	8	0.42	80.814	516.	0.	32913.574	181.421	**	**	**	**
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	08/18/81-08/18/81	1	22.	22.	22.	22.	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	08/18/81-08/18/81	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: OBRI0013

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00				2	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	9	1	0.11	3	0	0.00	3	0	0.00	3	1	0.33			
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	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01077	SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									

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

EPA Water Quality Criteria Analysis for Station: OBRI0013

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: OBRI0014

NPS Station ID: OBRI0014 | LAT/LON: 36.124531/ -84.607088 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: EMORY RIVER ABOVE HIGHWAY 27 BRIDGE | FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): OBRI_TTU_ER
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 06010208 | Depth of Water: 0 | Aquifer:
Major Basin: TENNESSEE RIVER | Elevation: 0 | Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES | ECO Region:
RF1 Index: 06010208 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 06010208000109.53 | RF3 Mile Point: 9.53 | Distance from RF3: 0.48 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CAMP AUSTIN TN-MORGAN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE OF THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES AT THE EMORY RIVER; 0.5 MILES ABOVE THE HIGHWAY 27 BRIDGE AT STREAM MILE 36.2. DATA WERE COLLECTED AND ANALYZED AT THIS SITE FROM 1973 THROUGH 1974 BY JOHN RIDDLE; A GRADUATE STUDENT AT TENNESSEE TECHNOLOGICAL UNIVERSITY; USING A HACH KIT (DR-EL/2; MODEL NUMBER 2506-05). TEMPERATURE; DISSOLVED OXYGEN; AND PH WERE MEASURED IN THE FIELD; ALL OTHER MEASUREMENTS WERE TAKEN IMMEDIATELY UPON RETURN FROM THE FIELD. DATA WERE SUMMARIZED IN A FINAL REPORT TITLED "CUMBERLAND PLATEAU MUSKELLUNGE INVESTIGATION." FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/07/73-11/07/74	12	57.5	57.75	71.	44.	78.568	8.864	44.9	50.5	66.25	70.7
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/07/73-11/07/74	12	19.	37.667	160.	5.	2135.879	46.216	6.5	11.	41.25	142.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/07/73-11/07/74	12	15.	14.167	20.	9.	21.788	4.668	9.	9.	18.	20.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/07/73-11/07/74	12	10.5	10.5	14.	6.	5.	2.236	6.6	9.25	12.5	13.7
00406	PH, FIELD, STANDARD UNITS SU	12/07/73-11/07/74	12	6.66	6.658	6.85	6.47	0.015	0.121	6.473	6.553	6.753	6.838
00406	CONVERTED PH, FIELD, STANDARD UNITS	12/07/73-11/07/74	12	6.66	6.642	6.85	6.47	0.015	0.122	6.473	6.552	6.752	6.838
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/07/73-11/07/74	12	0.219	0.228	0.339	0.141	0.004	0.064	0.145	0.177	0.281	0.337
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	12/07/73-11/07/74	12	20.	22.917	40.	10.	92.992	9.643	11.5	15.	28.75	40.
00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	12	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	12	30.	32.083	50.	20.	152.083	12.332	20.	20.	43.75	50.
47002	ACIDITY, FREE (METHYL RED) (MG/L AS CACO3)	12/07/73-11/07/74	12 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

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

EPA Water Quality Criteria Analysis for Station: OBRI0014

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	12	2	0.17	4	1	0.25	5	0	0.00	3	1	0.33			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	12	2	0.17	4	2	0.50	5	0	0.00	3	0	0.00			

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

Station Inventory for Station: OBRI0015

NPS Station ID: OBRI0015
LAT/LON: 36.112781/ -84.615004
Agency: 112WRD
Date Created: / /
Location: EMORY RIVER NEAR WARTBURG, TENN.
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03538500
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208006
RF1 Mile Point: 4.550
Distance from RF1: 6.60
On/Off RF1: OFF
RF3 Index: 06010208003300.35
RF3 Mile Point: 0.35
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	03/11/75-09/08/76	14	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/65-09/08/76	33	15.	13.67	25.6	0.6	52.887	7.272	2.88	7.5	19.25	23.18
00060	FLOW, STREAM, MEAN DAILY CFS	05/22/65-07/29/68	19	51.	76.632	299.	1.	8276.135	90.973	2.	5.	102.	235.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/15/75-06/09/76	9	111.	536.222	3840.	65.	1539938.944	1240.943	65.	68.	227.5	3840.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	03/11/75-09/08/76	12	5.65	31.042	300.	2.2	7200.515	84.856	2.35	3.8	7.5	216.6
00080	COLOR (PLATINUM-COBALT UNITS)	05/22/65-09/08/76	31	5.	6.806	57.	1.	96.695	9.833	2.2	4.	5.	10.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/22/65-09/08/76	31	57.	63.484	140.	35.	552.525	23.506	40.4	47.	73.	94.8
00300	OXYGEN, DISSOLVED MG/L	03/11/75-09/08/76	13	9.6	9.615	13.3	6.3	5.638	2.374	6.38	7.4	11.65	12.9
00310	BOD, 5 DAY, 20 DEG C MG/L	03/11/75-09/08/76	13 ##	0.5	0.908	2.6	0.5	0.532	0.73	0.5	0.5	1.25	2.44
00335	COD, .025N K2CR2O7 MG/L	03/11/75-09/08/76	12	3.5	4.875	17.	0.5	17.915	4.233	0.95	3.	6.	14.
00400	PH (STANDARD UNITS)	05/22/65-09/08/76	32	6.8	6.825	8.3	6.1	0.158	0.398	6.43	6.6	7.	7.2
00400	CONVERTED PH (STANDARD UNITS)	05/22/65-09/08/76	32	6.8	6.693	8.3	6.1	0.176	0.42	6.43	6.6	7.	7.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/22/65-09/08/76	32	0.158	0.203	0.794	0.005	0.026	0.163	0.063	0.1	0.251	0.374
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/22/65-09/08/76	20	10.	12.15	28.	5.	52.976	7.278	5.	6.5	13.	26.9
00440	BICARBONATE ION (MG/L AS HCO3)	05/22/65-07/29/68	19	15.	15.789	34.	6.	69.398	8.331	6.	10.	20.	33.
00445	CARBONATE ION (MG/L AS CO3)	05/22/65-05/22/65	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/11/75-09/08/76	12	2.5	34.417	380.	0.5	11848.947	108.853	0.5	1.25	5.	268.4
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/11/75-09/08/76	12	0.075	0.103	0.34	0.01	0.01	0.099	0.01	0.033	0.135	0.31
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/11/75-09/08/76	12	0.025	0.04	0.16	0.005	0.002	0.043	0.007	0.013	0.05	0.136
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/11/75-09/08/76	12	0.085	0.512	5.2	0.005	2.181	1.477	0.019	0.07	0.128	3.685
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	05/22/65-05/22/65	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/11/75-09/08/76	12	0.015	0.019	0.06	0.005	0.	0.016	0.005	0.01	0.02	0.054
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/11/75-09/08/76	12 ##	0.005	0.008	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.017
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/12/75-05/12/76	3	3.2	3.8	7.2	1.	9.88	3.143	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/22/65-09/08/76	32	22.	24.938	62.	12.	123.028	11.092	13.3	17.	30.75	38.8
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/22/65-07/29/68	7	8.	8.429	13.	5.	8.952	2.992	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/19/66-07/29/68	18	6.	7.106	12.	3.1	6.739	2.596	4.18	5.2	10.	11.1
00916	CALCIUM, TOTAL (MG/L AS CA)	03/11/75-09/08/76	13	6.	6.538	16.	3.	13.603	3.688	3.	4.	7.	14.4
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/19/66-07/29/68	18	1.35	1.417	3.4	0.1	0.877	0.936	0.37	0.65	2.175	2.68
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/11/75-09/08/76	13	2.3	2.723	5.4	1.6	1.195	1.093	1.64	2.	3.4	4.88
00929	SODIUM, TOTAL (MG/L AS NA)	03/11/75-09/08/76	12	1.2	1.4	2.	1.1	0.105	0.325	1.13	1.2	1.7	1.97
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/19/66-07/29/68	18	1.35	1.467	2.7	0.9	0.189	0.435	0.99	1.175	1.7	2.07
00931	SODIUM ADSORPTION RATIO	10/27/66-07/29/68	6	0.1	0.117	0.2	0.1	0.002	0.041	**	**	**	**
00932	SODIUM, PERCENT	10/27/66-07/29/68	6	11.5	11.667	14.	9.	4.267	2.066	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/19/66-07/29/68	18	1.25	1.556	3.2	0.6	0.61	0.781	0.69	0.925	2.225	2.75
00937	POTASSIUM, TOTAL MG/L AS K)	03/11/75-09/08/76	13	0.8	1.023	1.7	0.6	0.182	0.427	0.6	0.7	1.55	1.66
00940	CHLORIDE,TOTAL IN WATER MG/L	05/22/65-09/08/76	32	2.	2.463	7.	0.8	1.374	1.172	1.	2.	3.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	05/22/65-09/08/76	31	12.	14.452	50.	7.	61.523	7.844	8.2	10.	15.	22.4

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

Parameter Inventory for Station: OBRI0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00951	FLUORIDE, TOTAL (MG/L AS F)	03/11/75-09/08/76	12 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/19/66-09/08/76	30	4.65	4.647	5.9	2.5	0.654	0.809	3.34	4.275	5.15	5.78
01002	ARSENIC, TOTAL (UG/L AS AS)	11/12/75-05/12/76	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	11/12/75-05/12/76	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	11/12/75-05/12/76	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	11/12/75-05/12/76	3	80.	130.	270.	40.	15100.	122.882	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/12/75-05/12/76	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/12/75-05/12/76	3 ##	2.5	7.667	18.	2.5	80.083	8.949	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/12/75-05/12/76	3	20.	23.333	40.	10.	233.333	15.275	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/27/66-09/08/76	13	510.	1161.538	10000.	0.	7107964.103	2666.077	72.	230.	650.	6340.
01046	IRON, DISSOLVED (UG/L AS FE)	05/22/65-09/08/76	30	50.	65.667	270.	0.	5416.782	73.599	0.	10.	100.	199.
01051	LEAD, TOTAL (UG/L AS PB)	11/12/75-05/12/76	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/11/75-09/08/76	10	55.	88.	330.	20.	8995.556	94.845	21.	37.5	102.5	314.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/22/65-09/08/76	11	30.	55.455	160.	20.	2347.273	48.449	20.	30.	60.	156.
01067	NICKEL, TOTAL (UG/L AS NI)	11/12/75-05/12/76	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	11/12/75-05/12/76	3 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/12/75-05/12/76	3 ##	10.	26.667	60.	10.	833.333	28.868	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/22/65-05/12/76	4	430.	1515.	5100.	100.	5784900.	2405.182	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	11/12/75-05/12/76	3 ##	5.	13.333	30.	5.	208.333	14.434	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	11/12/75-05/12/76	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01152	TITANIUM, TOTAL (UG/L AS TI)	11/12/75-05/12/76	3 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/12/75-09/08/76	6 ##	5.	266.667	880.	5.	167566.667	409.349	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	11/12/75-09/08/76	6 ##	0.699	1.431	2.944	0.699	1.287	1.134	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			26.972								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/12/75-09/08/76	11	60.	73.636	300.	5.	7635.455	87.381	5.	5.	110.	264.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/12/75-09/08/76	11	1.778	1.499	2.477	0.699	0.46	0.678	0.699	0.699	2.041	2.398
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			31.583								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/19/66-09/08/76	30	41.5	42.633	90.	16.	257.344	16.042	20.5	29.75	52.75	60.5
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/27/66-06/09/76	17	8.91	39.264	518.	0.15	15263.538	123.546	0.294	4.365	15.	124.24
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/27/66-09/08/76	18	0.05	0.057	0.12	0.02	0.001	0.024	0.029	0.04	0.07	0.084
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	05/22/65-07/29/68	18	0.15	0.239	1.	0.	0.077	0.277	0.	0.	0.325	0.73
71885	IRON (UG/L AS FE)	09/06/66-09/06/66	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	11/12/75-02/10/76	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0015

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	12	1	0.08	2	0	0.00	7	1	0.14	3	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	13	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00			
00400	PH	Fresh Chronic	9.	32	0	0.00	8	0	0.00	15	0	0.00	9	0	0.00			
		Other-Lo Lim.	6.5	32	6	0.19	8	1	0.13	15	2	0.13	9	3	0.33			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	32	0	0.00	9	0	0.00	14	0	0.00	9	0	0.00			
		Drinking Water	250.	32	0	0.00	9	0	0.00	14	0	0.00	9	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	31	0	0.00	8	0	0.00	14	0	0.00	9	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	50.	3	0	0.00				2	0	0.00	1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00				2	0	0.00	1	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	5.	3	0	0.00				2	0	0.00	1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00				2	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	3	2	0.67				2	2	1.00	1	0	0.00			
		Drinking Water	1300.	3	0	0.00				2	0	0.00	1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	15.	3	0	0.00				2	0	0.00	1	0	0.00			

& - 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: OBRI0015

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	100.	3	0	0.00				2	0	0.00	1	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	0 &	0	0.00												
		Drinking Water	100.	3	0	0.00				2	0	0.00	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	5000.	3	0	0.00				2	0	0.00	1	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	50.	3	0	0.00				2	0	0.00	1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	11	1	0.09	3	0	0.00	5	1	0.20	3	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	18	0	0.00	6	0	0.00	7	0	0.00	5	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00				2	0	0.00						
		Drinking Water	2.	2	0	0.00				2	0	0.00						

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station OBRI0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/65-09/08/76	9	21.1	21.144	25.6	17.	8.345	2.889	17.	18.65	23.5	25.6
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/22/65-09/08/76	9	36.	37.667	62.	21.	133.75	11.565	21.	31.5	43.5	62.
00940	CHLORIDE,TOTAL IN WATER MG/L	05/22/65-09/08/76	9	3.	2.778	4.	1.	1.194	1.093	1.	2.	4.	4.

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

Seasonal Analysis for Season #2: 10/15 to 3/14 - Station OBRI0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/65-09/08/76	15	8.	7.58	17.2	0.6	22.143	4.706	1.44	3.	9.4	15.88
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/22/65-09/08/76	14	18.5	19.786	31.	12.	40.797	6.387	12.5	14.	26.25	30.5
00940	CHLORIDE,TOTAL IN WATER MG/L	05/22/65-09/08/76	14	2.	2.643	7.	1.	1.94	1.393	1.5	2.	3.	5.

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/65-09/08/76	9	17.2	16.344	23.3	7.	24.013	4.9	7.	13.1	19.8	23.3
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/22/65-09/08/76	9	21.	20.222	27.	12.	22.944	4.79	12.	16.5	24.	27.
00940	CHLORIDE,TOTAL IN WATER MG/L	05/22/65-09/08/76	9	2.	1.867	3.	0.8	0.41	0.64	0.8	1.5	2.	3.

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

Station Inventory for Station: OBRI0016

NPS Station ID: OBRI0016
LAT/LON: 36.113059/ -84.615282
Agency: 131TVAC
Date Created: / /
Location:
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475142 /3527
RMI-Indexes: 1021500 007720 00920 7930 0250
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 034.52
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: CLINCH RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: EMORY RIVER 34.52
ECO Region:
RF1 Index: 06010208006
RF1 Mile Point: 4.550
Distance from RF1: 0.90
On/Off RF1: OFF
RF3 Index: 06010208001706.22
RF3 Mile Point: 9.70
Distance from RF3: 0.09
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-12/08/76	18	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-04/22/68	13	15.	13.792	22.8	0.5	44.321	6.657	2.3	8.75	19.25	22.28
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/23/67-12/08/76	12	20.	28.575	125.	2.8	1211.135	34.801	3.16	6.325	28.75	107.
00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-12/08/76	13	9.	12.769	35.	5.	75.526	8.691	5.	5.	17.5	29.
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	03/11/75-12/08/76	16	16.	48.469	500.	2.5	14613.449	120.886	5.65	12.25	26.5	181.5
00335	COD, .025N K2CR2O7 MG/L	06/23/67-12/08/76	13	7.	7.	12.	4.	4.	2.	4.	6.	8.	10.4
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/23/67-12/08/76	30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500	RESIDUE, TOTAL (MG/L)	06/23/67-04/22/68	9	60.	96.667	380.	40.	11575.	107.587	40.	45.	85.	380.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/23/67-04/22/68	9	60.	63.333	140.	30.	1075.	32.787	30.	40.	75.	140.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/11/76-12/08/76	4	7.5	6.625	11.	0.5	20.896	4.571	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/67-12/08/76	13 ##	0.005	0.039	0.3	0.005	0.007	0.082	0.005	0.005	0.03	0.216
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/23/67-04/22/68	9	0.01	0.012	0.03	0.005	0.	0.009	0.005	0.005	0.02	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/23/67-04/22/68	9	0.04	0.053	0.1	0.005	0.001	0.033	0.005	0.03	0.09	0.1
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/67-12/08/76	13	0.016	0.025	0.13	0.002	0.001	0.033	0.003	0.006	0.031	0.091
00916	CALCIUM, TOTAL (MG/L AS CA)	06/23/67-12/08/76	15	4.	5.267	16.	1.	16.21	4.026	1.6	2.	8.	13.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/67-12/08/76	15	3.1	3.493	8.	1.5	3.036	1.743	1.8	2.	4.5	6.5
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-12/08/76	13	1.5	1.746	4.5	0.4	1.018	1.009	0.64	1.2	2.1	3.78
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-12/08/76	12	1.4	1.733	4.6	0.5	1.466	1.211	0.56	0.8	2.575	4.06
00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-04/22/68	13	3.	4.077	17.	1.	24.91	4.991	1.	1.	3.	15.4
00951	FLUORIDE, TOTAL (MG/L AS F)	08/11/76-12/08/76	4 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-04/22/68	9	4.7	4.878	9.6	2.5	4.022	2.005	2.5	3.7	5.35	9.6
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/11/76-11/03/76	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	08/11/76-11/03/76	2	30.	30.	40.	20.	200.	14.142	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/67-02/14/68	11	160.	200.455	460.	25.	20022.273	141.5	34.	100.	330.	452.
01047	IRON, FERROUS (UG/L AS FE)	07/28/67-04/22/68	12 ##	25.	35.417	100.	25.	506.629	22.508	25.	25.	43.75	85.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/67-02/14/68	6	70.	111.667	340.	30.	14016.667	118.392	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/11/76-11/03/76	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	11/12/75-11/03/76	5 ##	5.	8.	20.	5.	45.	6.708	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/11/76-11/03/76	2	300.	300.	300.	300.	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	08/11/76-11/03/76	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01152	TITANIUM, TOTAL (UG/L AS TI)	08/11/76-11/03/76	2 ##	500.	500.	500.	500.	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/23/67-04/22/68	9	1100.	3101.111	16000.	110.	25305311.111	5030.438	110.	290.	3600.	16000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/23/67-04/22/68	9	3.041	3.05	4.204	2.041	0.471	0.686	2.041	2.449	3.556	4.204
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1122.695								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/22/68	9	62.	619.	3600.	1.	1390360.25	1179.135	1.	17.	860.	3600.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/22/68	9	1.792	1.926	3.556	0.	1.188	1.09	0.	1.202	2.917	3.556
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			84.396								
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/23/67-12/08/76	28	24.	27.464	62.	11.	181.147	13.459	12.9	18.25	33.	48.4

** - 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: OBRI0016

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	12	2	0.17	4	1	0.25	6	0	0.00	2	1	0.50			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	13	0	0.00	5	0	0.00	6	0	0.00	2	0	0.00			
		Drinking Water	250.	13	0	0.00	5	0	0.00	6	0	0.00	2	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	4	0	0.00	2	0	0.00	2	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	4.	0 &	0	0.00												
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	1 &	1	1.00				1	1	1.00						
		Drinking Water	100.	5	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	9	5	0.56	3	2	0.67	4	2	0.50	2	1	0.50			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	9	3	0.33	3	2	0.67	4	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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station OBRI0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/23/67-12/08/76	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/23/67-12/08/76	9	38.	40.	62.	22.	218.	14.765	22.	26.5	54.	62.

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

Seasonal Analysis for Season #2: 10/15 to 3/14 - Station OBRI0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/23/67-12/08/76	16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/23/67-12/08/76	14	19.	20.429	33.	12.	48.11	6.936	12.5	14.	27.5	32.

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/23/67-12/08/76	5	0.	0.	0.	0.	0.	0.	**	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/23/67-12/08/76	5	24.	24.6	38.	11.	93.3	9.659	**	**	**	**

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

Station Inventory for Station: OBRI0017

NPS Station ID: OBRI0017
LAT/LON: 36.113059/ -84.615282
Agency: 112WRD
Date Created: 01/21/84
Location: EMORY RIVER 34.52
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 360647084365500
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 2.00
On/Off RF1:
RF3 Index: 06010208000403.56
RF3 Mile Point: 3.55
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0017

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/11/76-12/08/76	5	13.	13.2	22.	5.	44.2	6.648	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/67-12/08/76	20	43.5	195.5	2180.	2.	232032.579	481.698	3.5	11.	159.25	397.6
00070	TURBIDITY, (JACKSON CANDLE UNITS)	03/11/75-12/08/76	15	6.	6.533	20.	2.	18.552	4.307	2.6	4.	8.	14.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/67-12/08/76	13	81.	83.154	150.	39.	1347.641	36.71	41.	50.5	110.	146.
00300	OXYGEN, DISSOLVED MG/L	06/23/67-12/08/76	16	8.55	8.131	13.2	2.7	12.284	3.505	3.4	4.25	11.175	13.06
00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-11/03/76	13	1.	1.092	3.	0.5	0.599	0.774	0.5	0.5	1.4	2.68
00400	PH (STANDARD UNITS)	06/23/67-12/08/76	17	6.9	6.924	8.1	5.8	0.208	0.456	6.44	6.7	7.15	7.46
00400	CONVERTED PH (STANDARD UNITS)	06/23/67-12/08/76	17	6.9	6.671	8.1	5.8	0.276	0.525	6.44	6.7	7.15	7.46
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/67-12/08/76	17	0.126	0.213	1.585	0.008	0.13	0.361	0.042	0.071	0.205	0.518
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/23/67-12/08/76	17	18.	21.294	70.	5.	229.971	15.165	7.4	11.	24.5	46.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/67-12/08/76	13	0.11	0.132	0.33	0.005	0.011	0.107	0.005	0.055	0.23	0.314
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/11/76-12/08/76	4	0.075	0.066	0.11	0.005	0.002	0.044	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/67-12/08/76	13	0.033	0.042	0.15	0.01	0.001	0.038	0.01	0.015	0.049	0.121
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/11/76-11/03/76	2	1.85	1.85	2.2	1.5	0.245	0.495	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/06/76-12/08/76	3	3.	3.333	4.	3.	0.333	0.577	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-12/08/76	16	12.5	16.313	43.	7.	93.696	9.68	7.	10.25	21.	35.3
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/11/76-11/03/76	3	4.7	4.767	5.4	4.2	0.363	0.603	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/11/76-11/03/76	2 ##	1.75	1.75	2.5	1.	1.125	1.061	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/11/76-11/03/76	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/12/75-11/03/76	5 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/11/76-11/03/76	2 ##	9.75	9.75	17.	2.5	105.125	10.253	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/23/67-11/03/76	11 ##	5.	34.091	140.	5.	2059.091	45.377	5.	5.	60.	128.
01045	IRON, TOTAL (UG/L AS FE)	06/23/67-12/08/76	16	675.	973.75	3900.	260.	768971.667	876.91	288.	490.	1250.	2290.
01046	IRON, DISSOLVED (UG/L AS FE)	08/11/76-12/08/76	4	115.	180.	440.	50.	31800.	178.326	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/11/76-11/03/76	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/67-12/08/76	14	105.	138.571	380.	40.	12520.879	111.897	40.	47.5	210.	360.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/15/75-11/03/76	5	120.	130.	270.	30.	8550.	92.466	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/67-11/03/76	12	60.	51.25	100.	5.	1396.023	37.363	5.	6.25	90.	97.
01147	SELENIUM, TOTAL (UG/L AS SE)	08/11/76-11/03/76	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/11/76-11/03/76	4	15.	16.25	30.	5.	122.917	11.087	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/11/76-11/03/76	4	1.151	1.119	1.477	0.699	0.117	0.343	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			13.161								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/11/76-12/08/76	4	65.	65.	90.	40.	566.667	23.805	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/11/76-11/03/76	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0017

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	15	0	0.00	4	0	0.00	8	0	0.00	3	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	16	4	0.25	6	3	0.50	8	0	0.00	2	1	0.50			
00400	PH	Fresh Chronic	9.	17	0	0.00	7	0	0.00	8	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	17	1	0.06	7	1	0.14	8	0	0.00	2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	0	0.00	2	0	0.00	2	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	16	0	0.00	6	0	0.00	8	0	0.00	2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	2	0	0.00	1	0	0.00	1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00			
		Drinking Water	5.	5	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	11	4	0.36	4	1	0.25	4	2	0.50	3	1	0.33			
		Drinking Water	1300.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	15.	2	0	0.00	1	0	0.00	1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
		Drinking Water	5000.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	0	0.00	3	0	0.00	1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						

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

Station Inventory for Station: OBRI0018

NPS Station ID: OBRI0018 LAT/LON: 36.128060/ -84.618170 Agency: 11NPSWRD Date Created: 06/13/98
Location: ROCK CREEK NEAR MOUTH AT HIGHWAY 27 BRIDGE FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): OBRI_TTU_RC
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GOBEY TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE OF THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES AT ROCK CREEK 0.1 STREAM MILES FROM ITS MOUTH NEAR THE HIGHWAY 27 BRIDGE. DATA WERE COLLECTED AND ANALYZED AT THIS SITE FROM 1973 THROUGH 1974 BY JOHN RIDDLE; A GRADUATE STUDENT AT TENNESSEE TECHNOLOGICAL UNIVERSITY; USING A HACH KIT (DR-EL/2; MODEL NUMBER 2506-05). TEMPERATURE; DISSOLVED OXYGEN; AND PH WERE MEASURED IN THE FIELD; ALL OTHER MEASUREMENTS WERE TAKEN IMMEDIATELY UPON RETURN FROM THE FIELD. DATA WERE SUMMARIZED IN A FINAL REPORT TITLED "CUMBERLAND PLATEAU MUSKELLUNGE INVESTIGATION." FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/07/73-11/07/74	12	56.5	56.417	69.	42.	82.447	9.08	42.3	49.	65.75	68.1
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/07/73-11/07/74	12	6.	8.333	30.	0.	69.697	8.348	0.3	2.75	10.	26.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/07/73-11/07/74	12	23.	23.917	35.	14.	62.265	7.891	14.	16.5	31.5	35.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/07/73-11/07/74	12	10.5	10.167	14.	3.	8.879	2.98	4.5	8.25	12.75	13.7
00406	PH, FIELD, STANDARD UNITS SU	12/07/73-11/07/74	12	6.67	6.64	6.9	6.41	0.018	0.134	6.431	6.525	6.718	6.861
00406	CONVERTED PH, FIELD, STANDARD UNITS	12/07/73-11/07/74	12	6.67	6.621	6.9	6.41	0.018	0.136	6.431	6.525	6.718	6.861
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/07/73-11/07/74	12	0.214	0.239	0.389	0.126	0.005	0.074	0.139	0.192	0.299	0.372
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	12/07/73-11/07/74	12	15.	17.083	30.	10.	29.356	5.418	10.	15.	20.	27.
00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	12	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	12	17.5	19.583	30.	10.	56.629	7.525	10.	15.	28.75	30.
47002	ACIDITY, FREE (METHYL RED) (MG/L AS CACO3)	12/07/73-11/07/74	12 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

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

EPA Water Quality Criteria Analysis for Station: OBRI0018

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	12	1	0.08	4	1	0.25	5	0	0.00	3	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	12	2	0.17	4	2	0.50	5	0	0.00	3	0	0.00			

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

Station Inventory for Station: OBRI0019

NPS Station ID: OBRI0019
LAT/LON: 36.133892/ -84.625281
Agency: 112WRD
Date Created: 07/21/79
Location: ROCK CREEK NEAR GOBEY, TN
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03538398
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 10.20
On/Off RF1:
RF3 Index: 06010208018200.00
RF3 Mile Point: 0.48
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/79-08/19/81	6	19.25	17.917	28.5	9.	58.542	7.651	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/23/79-08/19/81	6	23.5	162.983	709.	0.2	78817.226	280.744	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/23/79-08/19/81	6	53.5	85.5	200.	32.	4657.9	68.249	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/19/81-08/19/81	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/23/79-08/19/81	6	6.95	7.017	7.3	6.8	0.038	0.194	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/23/79-08/19/81	6	6.947	6.983	7.3	6.8	0.039	0.197	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/79-08/19/81	6	0.113	0.104	0.158	0.05	0.002	0.041	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/19/81-08/19/81	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/19/81-08/19/81	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/19/81-08/19/81	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/23/76-08/19/81	7	9.	21.571	60.	7.	410.286	20.256	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/19/81-08/19/81	1	0.16	0.16	0.16	0.16	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/81-08/19/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/19/81-08/19/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/81-08/19/81	1	49.	49.	49.	49.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/19/81-08/19/81	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/19/81-08/19/81	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/19/81-08/19/81	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/19/81-08/19/81	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/19/81-08/19/81	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/19/81-08/19/81	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/19/81-08/19/81	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/81-08/19/81	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/23/79-08/19/81	6	7.	7.833	12.	5.	5.767	2.401	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/19/81-08/19/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/81-08/19/81	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/19/81-08/19/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/06/79-07/17/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/19/81-08/19/81	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/19/81-08/19/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-07/17/80	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-07/17/80	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/19/81-08/19/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/06/79-07/17/80	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/19/81-08/19/81	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/06/79-07/17/80	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	05/23/79-08/19/81	5	890.	1044.	1800.	540.	234530.	484.283	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/23/79-08/19/81	6	880.	1031.667	2300.	150.	526176.667	725.38	**	**	**	**

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

Parameter Inventory for Station: OBRI0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01046	IRON, DISSOLVED (UG/L AS FE)	05/23/79-08/19/81	6	55.	133.333	480.	30.	30386.667	174.318	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/19/81-08/19/81	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/06/79-07/17/80	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/06/79-07/17/80	2	325.	325.	430.	220.	22050.	148.492	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/23/79-08/19/81	6	55.	73.333	260.	0.	9346.667	96.678	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/23/79-08/19/81	6	95.	165.	500.	10.	32270.	179.639	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/23/79-08/19/81	6	55.	95.	240.	10.	9470.	97.314	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/19/81-08/19/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/19/81-08/19/81	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/06/79-07/17/80	2	25.	25.	30.	20.	50.	7.071	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/19/81-08/19/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/06/79-07/17/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/06/79-07/17/80	2	9400.	9400.	12000.	6800.	13520000.	3676.955	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/19/81-08/19/81	1	88.	88.	88.	88.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/19/81-08/19/81	1	75.	75.	75.	75.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/19/81-08/19/81	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/19/81-08/19/81	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/23/79-07/17/80	2	58.	58.	70.	46.	288.	16.971	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/19/81-08/19/81	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/19/81-08/19/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/06/79-07/17/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/23/79-07/17/80	5	55.	45.1	102.	0.5	1680.8	40.998	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/23/79-07/17/80	5	0.08	45.63	195.	0.03	7175.881	84.711	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	08/19/81-08/19/81	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0019

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
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	0	0.00	3	0	0.00	1	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	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01077	SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: OBRI0020

NPS Station ID: OBRI0020
LAT/LON: 36.132781/ -84.641670
Agency: 21TNECO
Date Created: 10/03/98
Location: ROCK CREEK, OFF HWY 62, QUAD 122 NW
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): ECO68A28
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TN RIVER
Elevation: 0
Water Body Id:
Minor Basin: CLINCH RIVER
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
ADDED 4TH QU FY 98 OFF HWY 62
WBI- 06010208-005

Parameter Inventory for Station: OBRI0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/13/98-12/01/98	3	14.4	14.733	21.4	8.4	42.333	6.506	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/05/98-08/05/98	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/13/98-12/01/98	3	1.3	1.433	2.9	0.1	1.973	1.405	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/13/98-12/01/98	3	7.	11.	23.	3.	112.	10.583	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	05/13/98-12/01/98	3	20.	15.333	23.	3.	116.333	10.786	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/13/98-12/01/98	3	48.	48.	67.	29.	361.	19.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/13/98-12/01/98	3	8.4	9.4	12.2	7.6	6.04	2.458	**	**	**	**
00400	PH (STANDARD UNITS)	05/13/98-12/01/98	3	6.98	6.877	7.18	6.47	0.134	0.366	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/13/98-12/01/98	3	6.98	6.77	7.18	6.47	0.151	0.389	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/13/98-12/01/98	3	0.105	0.17	0.339	0.066	0.022	0.148	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/13/98-12/01/98	3	6.	10.333	20.	5.	70.333	8.386	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/13/98-12/01/98	3	27.	29.333	56.	5.	654.333	25.58	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/13/98-12/01/98	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/13/98-12/01/98	3 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/13/98-12/01/98	3	0.05	0.05	0.08	0.02	0.001	0.03	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	05/13/98-12/01/98	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/13/98-12/01/98	3 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00690	CARBON, TOTAL (MG/L AS C)	05/13/98-08/05/98	2	2.4	2.4	3.5	1.3	2.42	1.556	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/13/98-12/01/98	3	17.	21.333	38.	9.	224.333	14.978	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/05/98-12/01/98	2	17.	17.	27.	7.	200.	14.142	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	05/13/98-12/01/98	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/13/98-12/01/98	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/13/98-12/01/98	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/13/98-12/01/98	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/13/98-12/01/98	3	72.	82.833	164.	12.5	5826.083	76.329	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/13/98-12/01/98	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/13/98-12/01/98	3	8.	7.5	12.	2.5	22.75	4.77	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/13/98-12/01/98	3 ##	0.5	1.	2.	0.5	0.75	0.866	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/13/98-12/01/98	3	10.	9.667	18.	1.	72.333	8.505	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/13/98-12/01/98	3	1.	0.752	1.255	0.	0.44	0.663	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.646								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/13/98-12/01/98	3 ##	0.5	1.667	4.	0.5	4.083	2.021	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/13/98-12/01/98	3 ##	-0.301	0.	0.602	-0.301	0.272	0.521	**	**	**	**

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

Parameter Inventory for Station: OBRI0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1.								
61223	E.COLI, WATER UNFILTERED,ONPG-MUG,COLILERT #/100ML	08/05/98-12/01/98	2 ##	2.25	2.25	4.	0.5	6.125	2.475	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0020

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	1	0.33	1	0	0.00	1	1	1.00	1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	1	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						
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	50.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	5.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	1300.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	15.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	5000.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			

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

Station Inventory for Station: OBRI0021

NPS Station ID: OBRI0021
LAT/LON: 36.079170/ -84.641948
Agency: 112WRD
Date Created: 07/19/97
Location: EMORY RIVER NEAR LANCING
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03538580
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/96-06/26/96	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	06/26/96-06/26/96	1	739.	739.	739.	739.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/26/96-06/26/96	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/26/96-06/26/96	1	76.	76.	76.	76.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/26/96-06/26/96	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/26/96-06/26/96	1	7.45	7.45	7.45	7.45	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/26/96-06/26/96	1	7.45	7.45	7.45	7.45	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/96-06/26/96	1	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/26/96-06/26/96	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/26/96-06/26/96	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/96-06/26/96	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	06/26/96-06/26/96	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/26/96-06/26/96	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	06/26/96-06/26/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/26/96-06/26/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/26/96-06/26/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/26/96-06/26/96	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/26/96-06/26/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/26/96-06/26/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/26/96-06/26/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	06/26/96-06/26/96	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	06/26/96-06/26/96	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/26/96-06/26/96	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/26/96-06/26/96	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/26/96-06/26/96	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/26/96-06/26/96	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/26/96-06/26/96	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/26/96-06/26/96	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/26/96-06/26/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/26/96-06/26/96	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/26/96-06/26/96	1	150.	150.	150.	150.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/26/96-06/26/96	1	6.	6.	6.	6.	0.	0.	**	**	**	**
04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	06/26/96-06/26/96	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	06/26/96-06/26/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	06/26/96-06/26/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	06/26/96-06/26/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	06/26/96-06/26/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	06/26/96-06/26/96	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: OBRI0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	06/26/96-06/26/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	06/26/96-06/26/96	1	10.	10.	10.	10.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	06/26/96-06/26/96	1	1.	1.	1.	1.	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			10.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/26/96-06/26/96	1	700.	700.	700.	700.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/26/96-06/26/96	1	2.845	2.845	2.845	2.845	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			700.								
34253	A-BHC-ALPHA DISSUG/L	06/26/96-06/26/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
34653	P,P'-DDE DISSUG/L	06/26/96-06/26/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	06/26/96-06/26/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38478	LINURON WATER,DISSUG/L	06/26/96-06/26/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
38482	MCPA WATER,DISSUG/L	06/26/96-06/26/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38487	MCPB WATER,DISSUG/L	06/26/96-06/26/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38501	METHIOCARB WATER,DISSUG/L	06/26/96-06/26/96	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
38538	PROPOXUR WATER,DISSUG/L	06/26/96-06/26/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38711	BENTAZON WATER, DISUG/L	06/26/96-06/26/96	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
38746	2,4-DB WATER, DISUG/L	06/26/96-06/26/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38811	FLUOMETURON WATER, DISUG/L	06/26/96-06/26/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38866	OXAMYL WATER, DISUG/L	06/26/96-06/26/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
38933	CHLORPYRIFOS,DISSOLVED UG/L	06/26/96-06/26/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	06/26/96-06/26/96	1	16.	16.	16.	16.	0.	0.	**	**	**	**
39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	06/26/96-06/26/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	06/26/96-06/26/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39415	METOLACHLOR, WATER, DISSOLVED UG/L	06/26/96-06/26/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	06/26/96-06/26/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	06/26/96-06/26/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	06/26/96-06/26/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39632	ATRAZINE DISSOLVED IN WATER PPB	06/26/96-06/26/96	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	06/26/96-06/26/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	06/26/96-06/26/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	06/26/96-06/26/96	1 ##	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**
46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	06/26/96-06/26/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
49235	TRICLOPYR,RECOVERABLE,WATER,FILTER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49236	PROPHAM, RECOVERABLE,WATER,FILTER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49260	ACETOCHLOR, RECOVERABLE, WATER, FILTERED UG/L	06/26/96-06/26/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
49291	PICLORAM,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49292	ORYZALIN,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
49293	NORFLURAZON,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
49294	NEBURON,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
49295	NAPTHOL,1-,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
49296	METHOMYL,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
49297	FENURON,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
49298	ESFENVALERATE,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
49299	CRESOL,O-,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49300	DIURON, RECV,FILTERED, WATER, GF, 0.7U UG/L	06/26/96-06/26/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
49301	DINOSEB, RECV, FILTERED, WATER, GF, 0.7U UG/L	06/26/96-06/26/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49302	DICHLORPROP,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
49303	DICHLOBENIL,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
49304	DACTHAL, RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
49305	CLOPYRALID,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49306	CHLOROTHALONIL,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49307	AMIBEN, RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
49308	HYDROXYCARBOFURAN,3-,RECV,FILT,WATER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
49309	CARBOFURAN,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.014	0.014	0.014	0.014	0.	0.	**	**	**	**
49310	CARBARYL,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
49311	BROMOXYNIL,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49312	ALDICARB, RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
49313	ALDICARB SULFONE,RECV,FILTERED,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
49314	ALDICARB SULFOXIDE,RECV,FILTERED,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**
49315	ACIFLUORFEN,RECV,FILTERED,WATER,GF,0.7U UG/L	06/26/96-06/26/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/26/96-06/26/96	1	48.	48.	48.	48.	0.	0.	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	06/26/96-06/26/96	1	64.	64.	64.	64.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	06/26/96-06/26/96	1	3.	3.	3.	3.	0.	0.	**	**	**	**

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Parameter Inventory for Station: OBRI0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	06/26/96-06/26/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	06/26/96-06/26/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	06/26/96-06/26/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	06/26/96-06/26/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: OBRI0021

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVE	Drinking Water	4.	1	0	0.00							1	0	0.00			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			
34653	P,P'-DDE, DISSOLVED	Fresh Acute	1050.	1	0	0.00							1	0	0.00			
38866	OXAMYL, DISSOLVED	Drinking Water	200.	1	0	0.00							1	0	0.00			
38933	CHLORPYRIFOS, DISSOLVED	Fresh Acute	0.083	1	0	0.00							1	0	0.00			
39341	GAMMA-BHC(LINDANE), DISSOLVED	Fresh Acute	2.	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	2.5	1	0	0.00							1	0	0.00			
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	0.065	1	0	0.00							1	0	0.00			
39632	ATRAZINE DISSOLVED IN WATER	Drinking Water	3.	1	0	0.00							1	0	0.00			
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE	Drinking Water	70.	1	0	0.00							1	0	0.00			
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE	Drinking Water	50.	1	0	0.00							1	0	0.00			
46342	ALACHLOR (LASSO), WATER, DISSOLVED	Drinking Water	2.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: OBRI0022

NPS Station ID: OBRI0022 LAT/LON: 36.109726/ -84.643532 Agency: 11NPSWRD Date Created: 07/04/98
Location: CAMPGROUND CREEK SOUTH SOUTHEAST OF LANCING FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): OBRI_NPS_CC11
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE LANCING TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS OUTSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT CAMPGROUND CREEK 2.0 KM SOUTH SOUTHEAST OF LANSING AT STREAM MILE 1.1. DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/80-08/03/80	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/03/80-08/03/80	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/80-08/03/80	1	230.	230.	230.	230.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/03/80-08/03/80	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/03/80-08/03/80	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/03/80-08/03/80	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/80-08/03/80	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/80-08/03/80	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/03/80-08/03/80	1	46.	46.	46.	46.	0.	0.	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	08/03/80-08/03/80	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	08/03/80-08/03/80	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: OBRI0022

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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: OBRI0023

NPS Station ID: OBRI0023 | LAT/LON: 36.076503/ -84.647393 | Agency: 11NPSWRD | Date Created: 07/04/98
Location: EMORY RIVER ABOVE THE OBED RIVER MOUTH | FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): OBRI_NPS_E1
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208 | Depth of Water: 0 | Aquifer:
Major Basin: TENNESSEE RIVER | Elevation: 0 | Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES | ECO Region:
RF1 Index: 06010208 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 06010208000109.53 | RF3 Mile Point: 9.53 | Distance from RF3: 0.48 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE LANCING TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS INSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT THE EMORY RIVER UPSTREAM OF THE CONFLUENCE OF THE EMORY RIVER AND THE OBED RIVER AT STREAM MILE 28.8. DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSEE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NPS WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/79-09/30/80	5	15.	13.4	24.	2.	73.8	8.591	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	11/16/79-09/30/80	5	20.	16.	28.	-6.	166.	12.884	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/16/79-09/30/80	5	68.	77.4	148.	47.	1678.3	40.967	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/16/79-09/30/80	4	10.9	10.625	12.8	7.9	4.769	2.184	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/16/79-09/30/80	5	6.5	6.22	6.8	5.2	0.412	0.642	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/16/79-09/30/80	5	6.5	5.794	6.8	5.2	0.639	0.799	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/16/79-09/30/80	5	0.316	1.607	6.31	0.158	7.021	2.65	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	5	14.	22.8	62.	4.	521.2	22.83	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/03/80-09/30/80	3 ##	0.	8.333	25.	0.	208.333	14.434	**	**	**	**
00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	11/16/79-09/30/80	5 ##	0.025	0.135	0.5	0.025	0.043	0.207	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/79-06/07/80	4	0.09	0.087	0.12	0.05	0.001	0.03	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/16/79-09/30/80	5	0.025	0.022	0.03	0.01	0.	0.008	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/80-06/08/80	1 ##	0.375	0.375	0.375	0.375	0.	0.	**	**	**	**
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	02/29/80-09/30/80	3 ##	0.025	0.023	0.025	0.02	0.	0.003	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	5	24.	24.2	31.	16.	33.2	5.762	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/08/80-06/08/80	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/08/80-06/08/80	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	06/08/80-06/08/80	1	2.12	2.12	2.12	2.12	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	06/08/80-06/08/80	1	1.68	1.68	1.68	1.68	0.	0.	**	**	**	**

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

Parameter Inventory for Station: OBRI0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	11/16/79-09/30/80	5	21.	24.4	40.	13.	114.3	10.691	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	06/08/80-06/08/80	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/80-06/08/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/16/79-09/30/80	6 ##	5.5	21.333	100.	1.	1519.467	38.98	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	06/08/80-06/08/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/16/79-09/30/80	6 ##	2.5	9.167	35.	2.5	169.167	13.006	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/16/79-09/30/80	6	230.	228.333	300.	160.	2616.667	51.153	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	02/29/80-09/30/80	5 ##	5.	354.	1750.	5.	609005.	780.388	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/16/79-06/08/80	2	25.	25.	40.	10.	450.	21.213	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/08/80-06/08/80	1 ##	30.	30.	30.	30.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/16/79-06/08/80	4 ##	102.	113.625	250.	0.5	16957.896	130.222	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/16/79-09/30/80	6	375.	598.333	1850.	60.	452856.667	672.946	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	11/16/79-09/30/80	4	1.	1.525	4.	0.1	3.229	1.797	**	**	**	**
31611	FECAL COLIFORM, MF, M-TEC #/100ML	11/16/79-11/16/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31611	LOG FECAL COLIFORM, MF, M-TEC #/1	11/16/79-11/16/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31611	GM FECAL COLIFORM, MF, M-TEC #/10	GEOMETRIC MEAN =			1.								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/16/79-09/30/80	4	3.	6.25	19.	0.	74.25	8.617	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/16/79-09/30/80	4	0.477	0.558	1.279	0.	0.281	0.53	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			3.616								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	2	4.	4.	8.	0.	32.	5.657	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	2	0.452	0.452	0.903	0.	0.408	0.639	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			2.828								
38745	2,4-DB WATER, TOTUG/L	06/08/80-06/08/80	1 ##	1.95	1.95	1.95	1.95	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39755	MIREX, TOTAL (UG/L)	06/08/80-06/08/80	1 ##	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	11/16/79-09/30/80	5	0.2	0.166	0.3	0.03	0.011	0.104	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11/16/79-11/16/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/07/80-09/30/80	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/16/79-09/30/80	5	4.	4.4	7.	3.	2.8	1.673	**	**	**	**
82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	11/16/79-06/07/80	4 ##	0.05	0.108	0.28	0.05	0.013	0.115	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0023

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	3	0.60	1	0	0.00	2	1	0.50	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	1	1.00							1	1	1.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	6	1	0.17	1	0	0.00	2	1	0.50	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5 &	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	1300.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	4 &	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	15.	4 &	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3 &	1	0.33				2	1	0.50	1	0	0.00			
		Drinking Water	5000.	4	0	0.00				2	0	0.00	2	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00							1	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00							1	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00							1	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00							1	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00							1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00							1	0	0.00			
		Drinking Water	3.	1	0	0.00							1	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.4	1	0	0.00							1	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00							1	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	1	0	0.00							1	0	0.00			
39720	PICLORAM IN WHOLE WATER SAMPLE	Drinking Water	500.	1	0	0.00							1	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00							1	0	0.00			
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00				1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	2.	2	0	0.00	1	0	0.00				1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	5	0	0.00	1	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: OBRI0024

NPS Station ID: OBRI0024 LAT/LON: 36.076087/ -84.647726 Agency: 11NPSWRD Date Created: 05/09/98
Location: EMORY RIVER UPSTREAM OF MOUTH OF OBED RIVER FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): OBRI_NPS_ER-2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: TENNESSEE RIVER MAIN STEM AND MINOR TRIB ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE LANCING TN MORGAN-CO 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS ON A STREAM INSIDE THE BOUNDARY OF THE OBED WILD AND SCENIC RIVER. THE SITE IS ON EMORY RIVER UPSTREAM OF THE MOUTH OF OBED RIVER. THE SITE IS SAMPLED FOR PH; CONDUCTIVITY; METALS; AND COLIFORMS. THE SAMPLING WAS BEGUN TO ENSURE THAT THE WILD AND SCENIC RIVER WAS PROTECTED AND PRESERVED AS MANDATED IN THE EARLY 1980'S. THE SAMPLING WAS DONE BY PARK PERSONNEL. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES; OBED WILD AND SCENIC RIVER; P.O. BOX 429; WARTBURG TN 37887-0429 (TEL. 423-346-6294). DATA WERE 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: OBRI0024

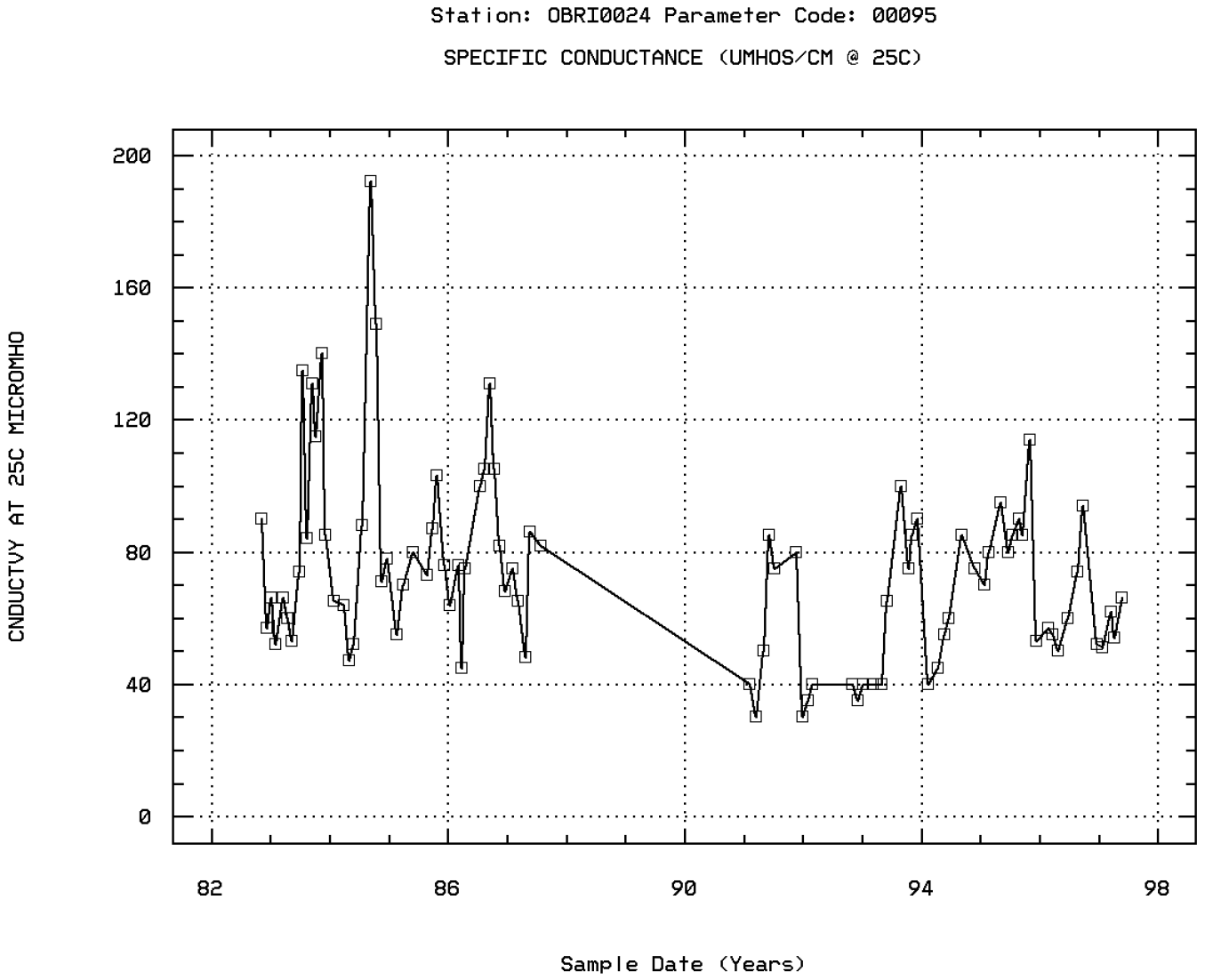
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	90	12.45	13.3	26.2	1.7	45.262	6.728	5.02	7.15	18.825	23.57
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	90	72.	73.633	192.	30.	790.639	28.118	40.	53.	85.	105.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	87	10.3	10.208	13.5	6.7	2.792	1.671	7.88	8.9	11.6	12.2
00406p	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	85	7.	6.926	7.9	5.4	0.231	0.48	6.2	6.6	7.25	7.5
00406p	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	85	7.	6.612	7.9	5.4	0.33	0.574	6.2	6.6	7.25	7.5
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	85	0.1	0.244	3.981	0.013	0.23	0.479	0.032	0.057	0.251	0.631
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	91	13.	17.374	42.	7.	69.437	8.333	9.	11.	23.	29.8
00612	AMMONIA, UNIONZED (MG/L AS N)	11/01/95-05/19/97	13	0.1	0.098	0.23	0.	0.007	0.082	0.	0.01	0.17	0.222
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	91	27.	32.978	79.	11.	164.155	12.812	20.	23.	42.	53.8
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	86	3.	3.672	10.	0.8	2.776	1.666	2.	3.	4.25	6.3
00945p	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	89	18.	17.27	35.	5.	46.017	6.784	5.	14.	21.	26.
01055p	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	85 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/10/83-05/21/87	19	92.	176.579	910.	0.	56180.035	237.023	3.	30.	160.	590.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	05/10/83-05/21/87	19	1.964	1.858	2.959	0.	0.533	0.73	0.477	1.477	2.204	2.771
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			72.176								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	62	23.5	65.984	1020.	0.	20391.131	142.798	0.	5.75	67.75	194.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	62	1.37	1.257	3.009	0.	0.595	0.771	0.	0.758	1.831	2.289
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18.053								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	55	137.	1474.945	38600.	0.	31630631.46	5624.112	4.	20.	470.	1824.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	55	2.137	2.075	4.587	0.	0.999	1.	0.602	1.301	2.672	3.26
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			118.774								
74010p	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	90 ##	0.1	0.161	1.2	0.1	0.035	0.186	0.1	0.1	0.1	0.25
82078p	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	91	2.6	5.236	78.	0.	108.652	10.424	0.92	1.6	3.8	11.4
82242p	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	91	8.	8.714	20.	4.	10.895	3.301	5.2	6.	10.	14.

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

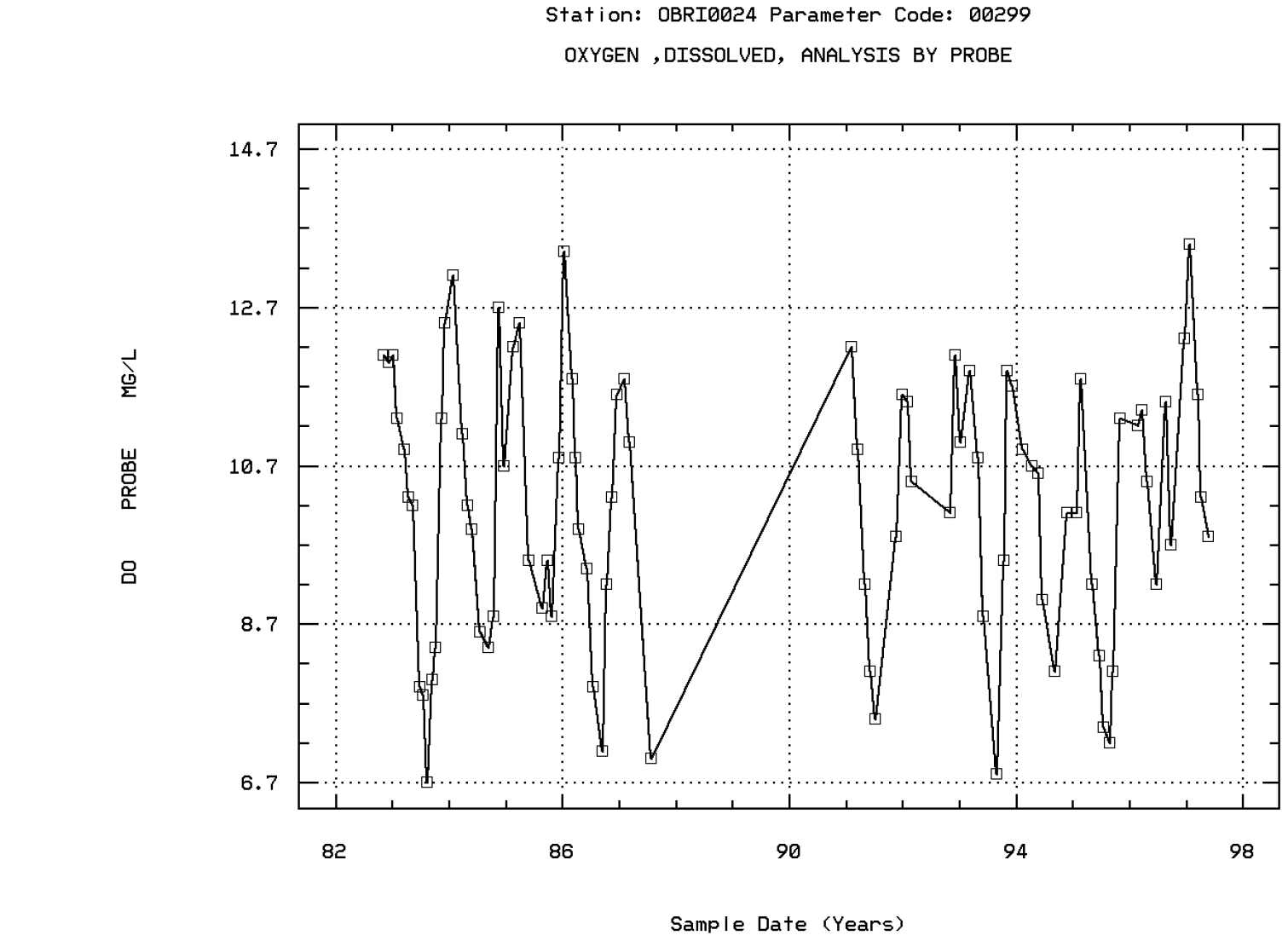
EPA Water Quality Criteria Analysis for Station: OBRI0024

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	87	0	0.00	20	0	0.00	39	0	0.00	28	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	85	0	0.00	19	0	0.00	36	0	0.00	30	0	0.00			
		Other-Lo Lim.	6.5	85	17	0.20	19	3	0.16	36	9	0.25	30	5	0.17			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	86	0	0.00	21	0	0.00	36	0	0.00	29	0	0.00			
		Drinking Water	250.	86	0	0.00	21	0	0.00	36	0	0.00	29	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	89	0	0.00	20	0	0.00	39	0	0.00	30	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	19	0	0.00	6	0	0.00	7	0	0.00	6	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	62	6	0.10	12	2	0.17	27	1	0.04	23	3	0.13			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	91	2	0.02	21	1	0.05	40	1	0.03	30	0	0.00			

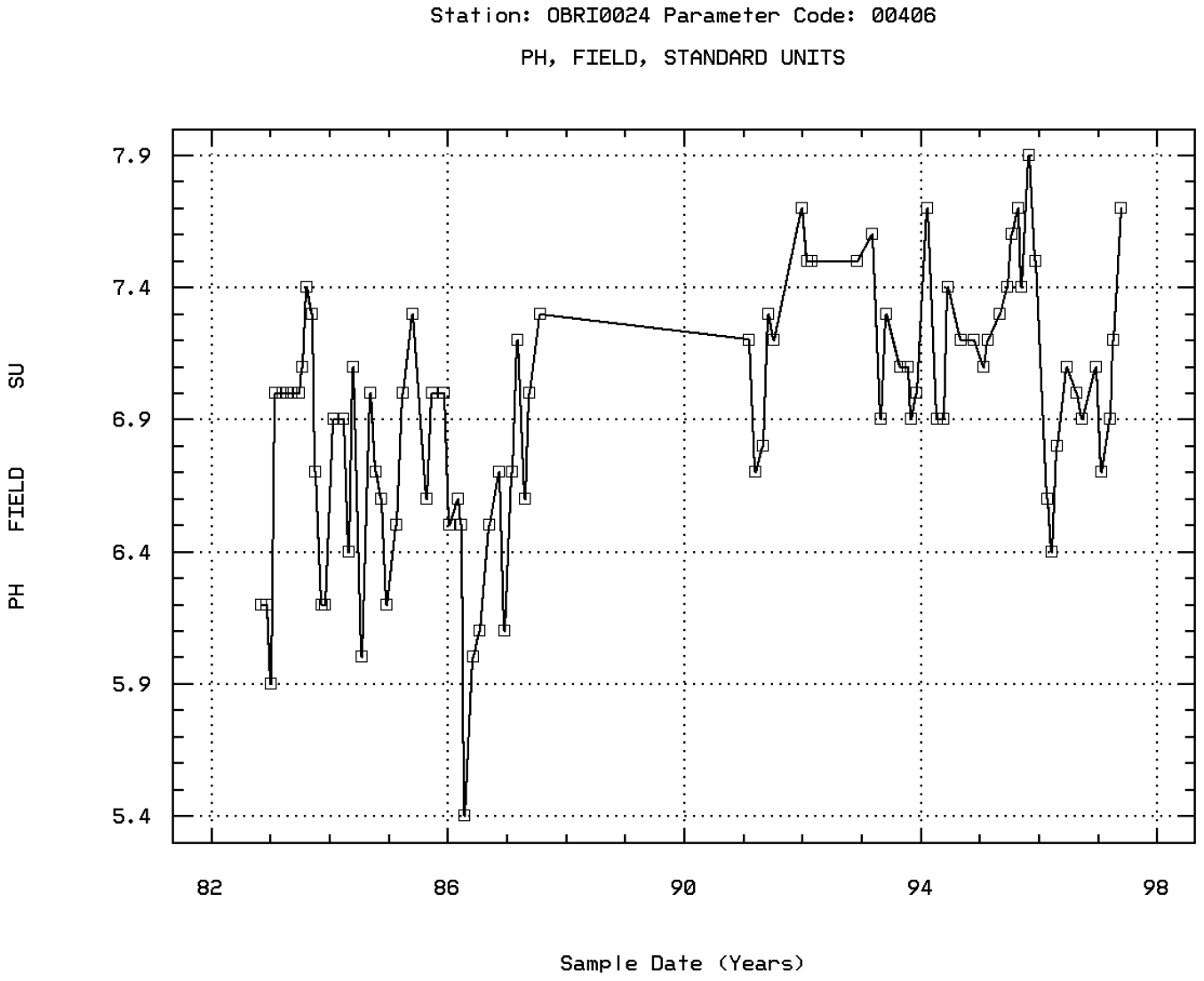
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



EMORY RIVER UPSTREAM OF MOUTH OF OBED R



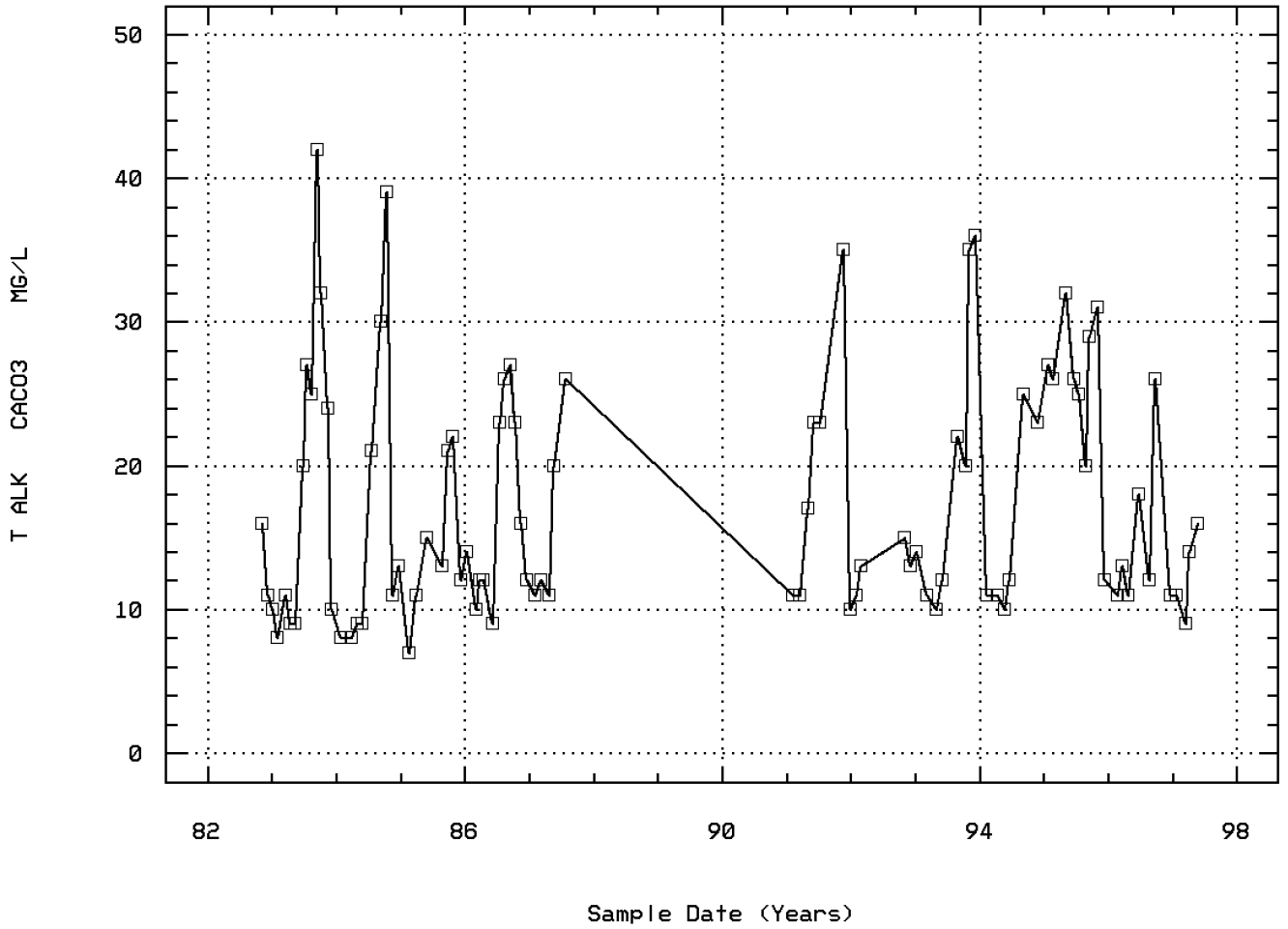
EMORY RIVER UPSTREAM OF MOUTH OF OBED R



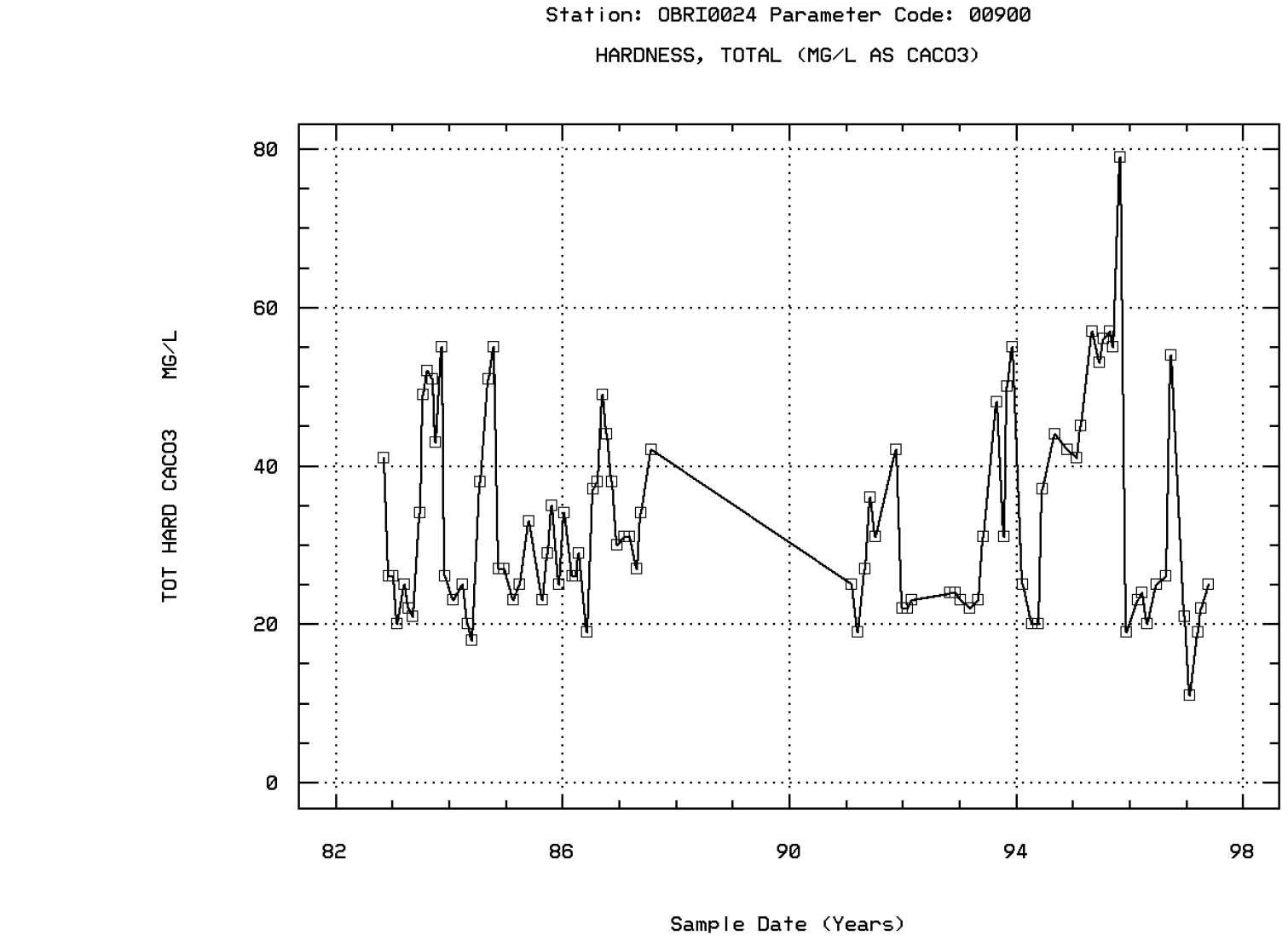
EMORY RIVER UPSTREAM OF MOUTH OF OBED R

Station: OBRI0024 Parameter Code: 00410

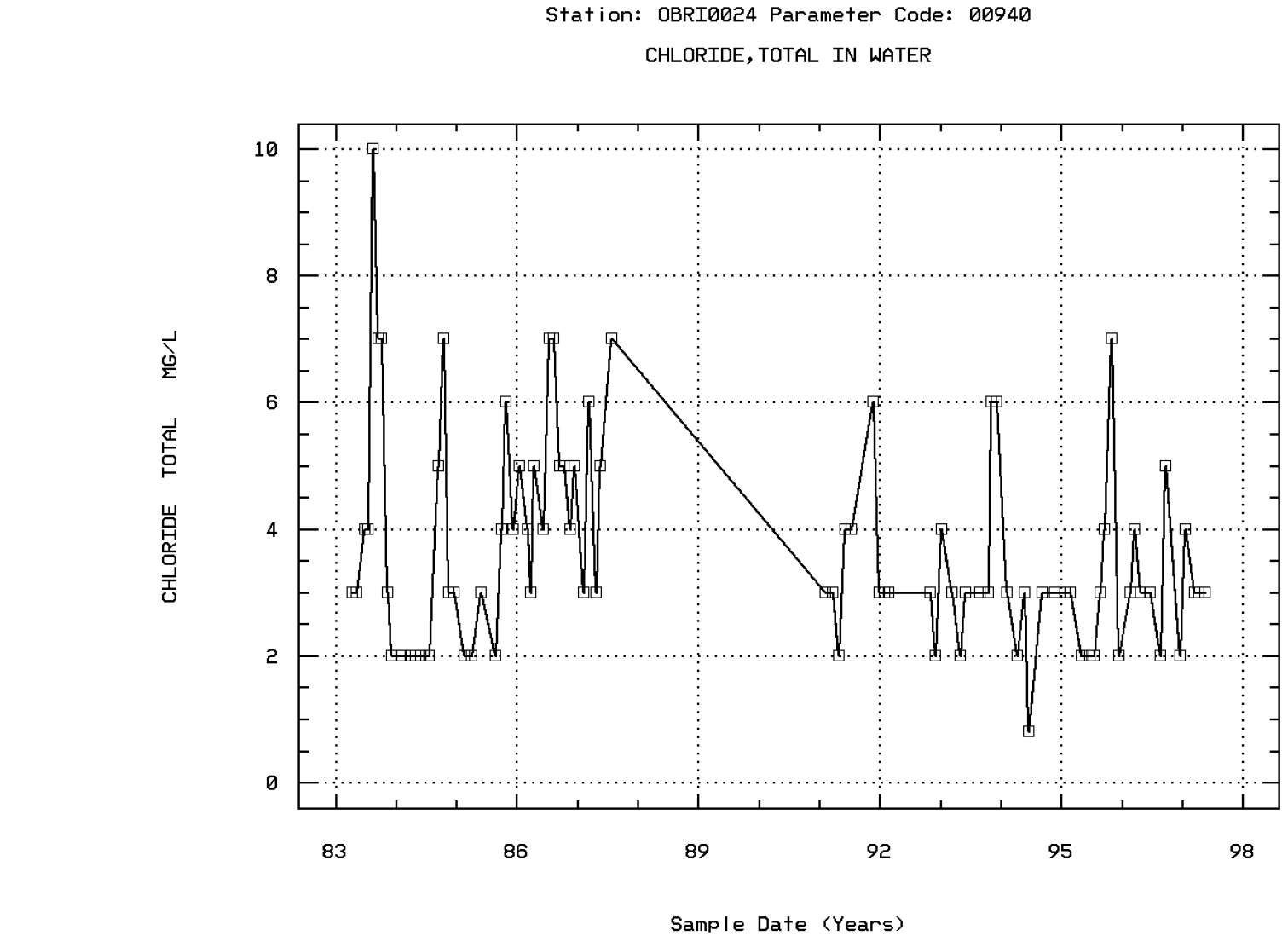
ALKALINITY, TOTAL (MG/L AS CACO3)



EMORY RIVER UPSTREAM OF MOUTH OF OBED R



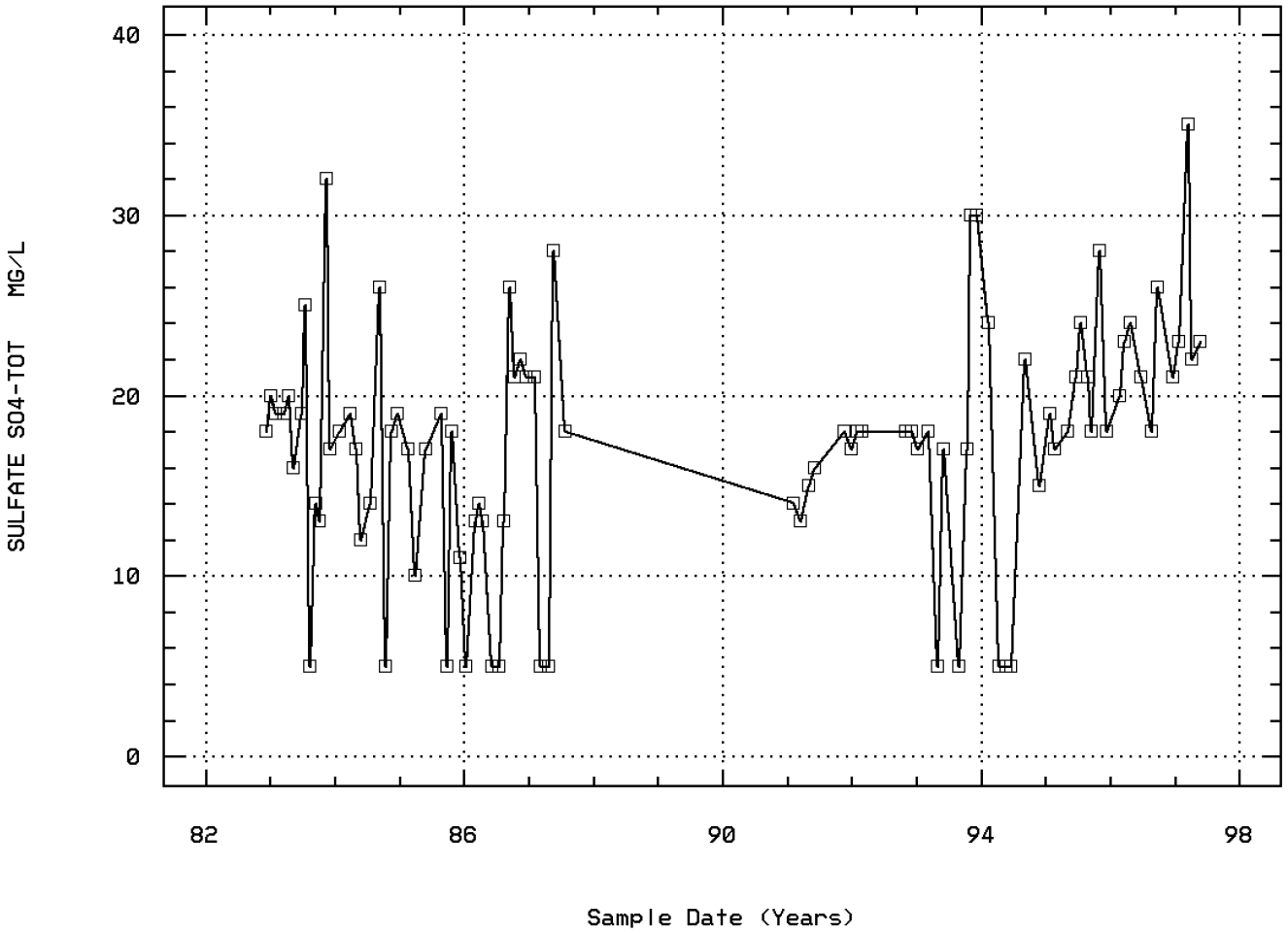
EMORY RIVER UPSTREAM OF MOUTH OF OBED R



EMORY RIVER UPSTREAM OF MOUTH OF OBED R

Station: OBRI0024 Parameter Code: 00945

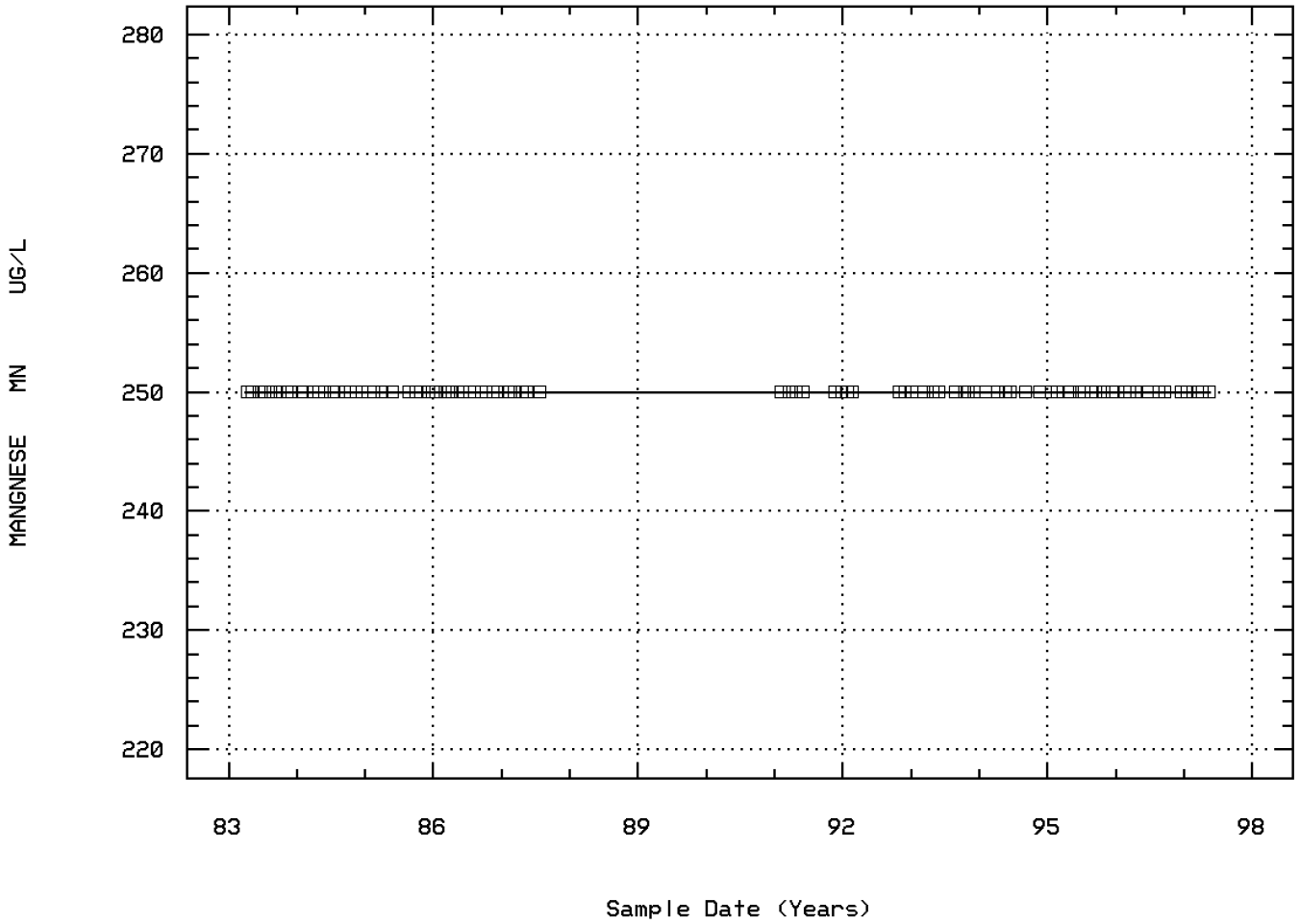
SULFATE, TOTAL (MG/L AS SO4)



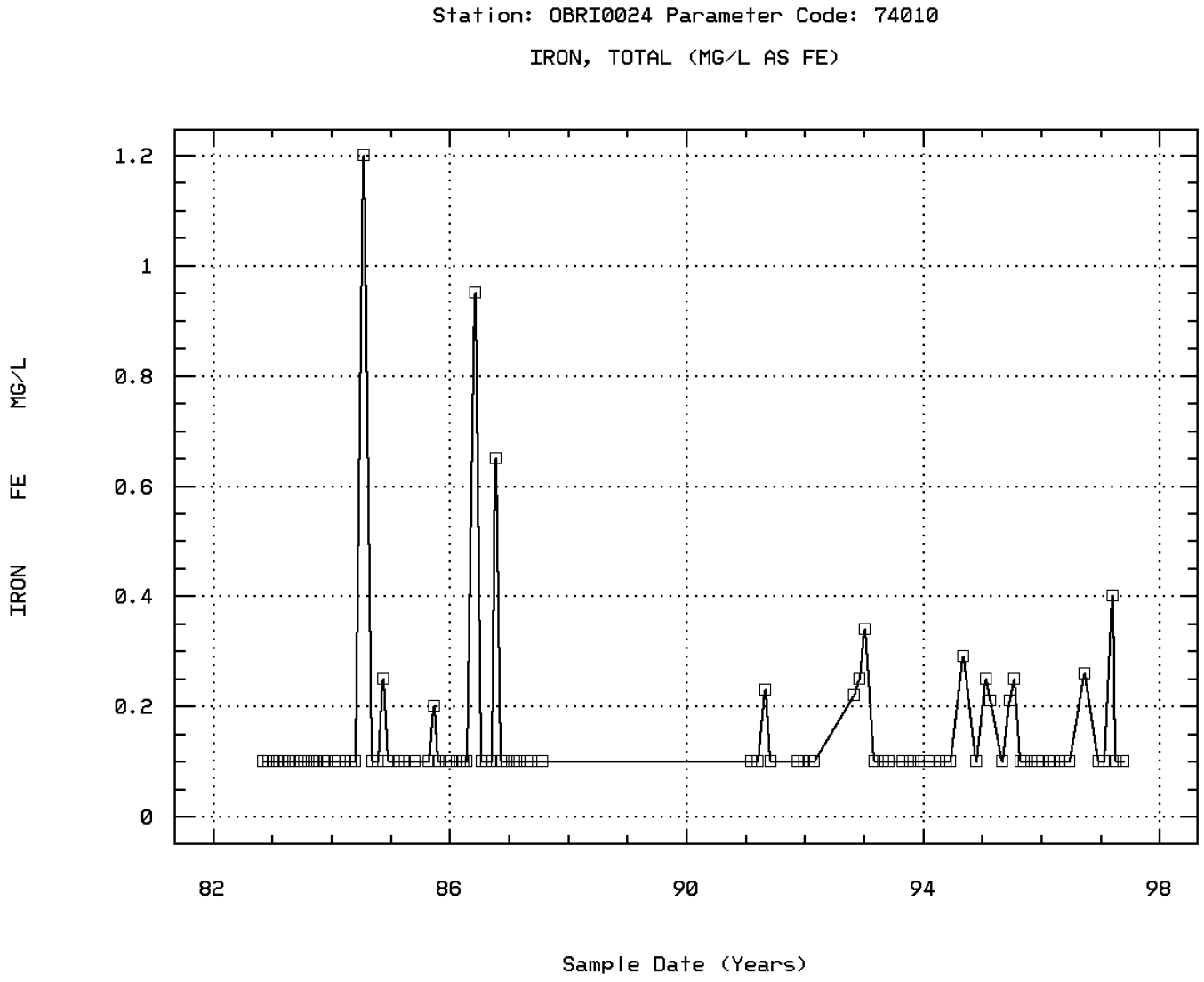
EMORY RIVER UPSTREAM OF MOUTH OF OBED R

Station: OBRI0024 Parameter Code: 01055

MANGANESE, TOTAL (UG/L AS MN)



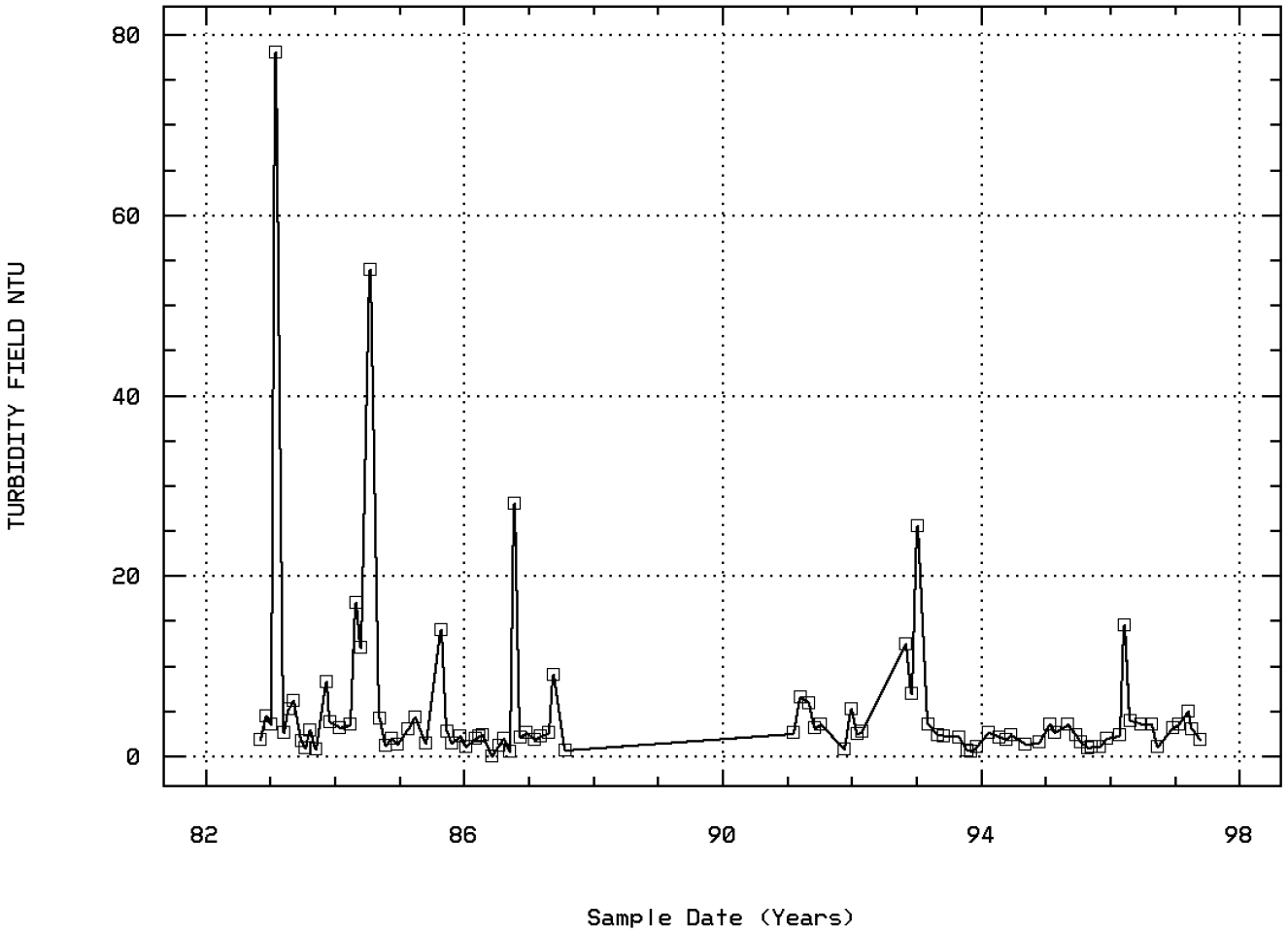
EMORY RIVER UPSTREAM OF MOUTH OF OBED R



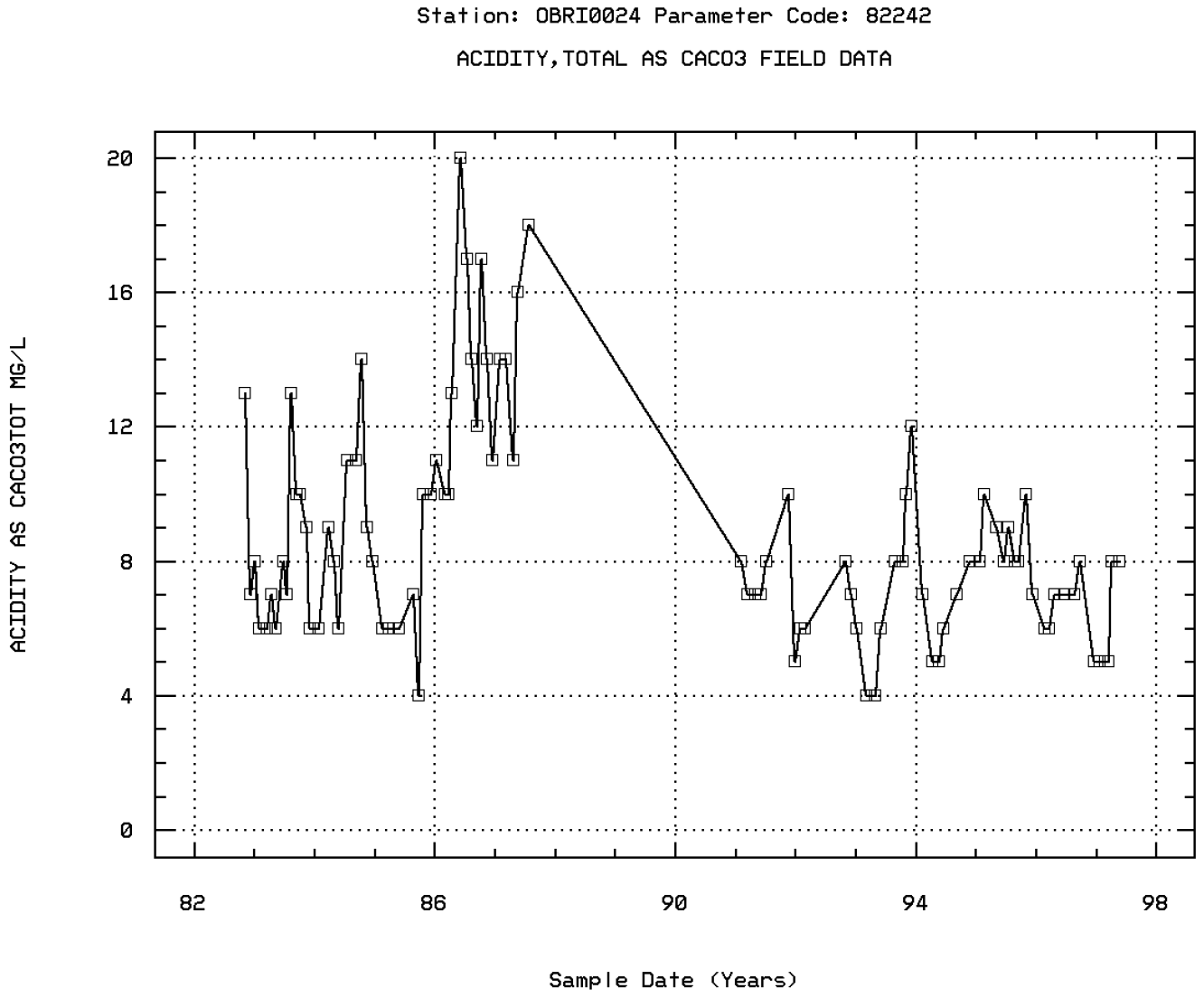
EMORY RIVER UPSTREAM OF MOUTH OF OBED R

Station: OBRI0024 Parameter Code: 82078

TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY



EMORY RIVER UPSTREAM OF MOUTH OF OBED R



EMORY RIVER UPSTREAM OF MOUTH OF OBED R

Annual Analysis for 1982 - Station OBRI0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	2	7.85	7.85	9.5	6.2	5.445	2.333	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	2	73.5	73.5	90.	57.	544.5	23.335	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	2	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	2	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	2	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	2	13.5	13.5	16.	11.	12.5	3.536	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	2	33.5	33.5	41.	26.	112.5	10.607	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	1	18.	18.	18.	18.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	2	3.2	3.2	4.5	1.9	3.38	1.838	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	2	10.	10.	13.	7.	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 box-and-whisker plot

Annual Analysis for 1983 - Station OBRI0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	12	12.75	14.908	26.2	5.	58.435	7.644	5.33	8.	22.775	26.02
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	12	79.	88.417	140.	52.	1089.356	33.005	52.3	61.5	127.	138.5
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	12	7.	6.817	7.4	5.9	0.222	0.471	5.99	6.325	7.075	7.37
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	12	7.	6.549	7.4	5.9	0.3	0.547	5.99	6.325	7.075	7.37
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	12	0.1	0.282	1.259	0.04	0.139	0.372	0.043	0.085	0.523	1.071
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	12	15.5	18.917	42.	8.	124.629	11.164	8.3	9.25	26.5	39.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	12	30.	35.333	55.	20.	186.97	13.674	20.3	22.75	50.5	54.1
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	4.	4.778	10.	2.	6.944	2.635	2.	3.	7.	10.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	12	19.	18.25	32.	5.	42.75	6.538	7.4	14.5	20.	29.9
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	9 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	12 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	12	3.2	9.575	78.	0.8	469.566	21.669	0.83	1.175	5.9	57.09
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	12	7.5	8.	13.	6.	4.727	2.174	6.	6.	9.75	12.1

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

Annual Analysis for 1984 - Station OBRI0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	9	13.6	13.	20.9	3.	36.413	6.034	3.	8.	18.95	20.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	9	71.	89.556	192.	47.	2373.278	48.716	47.	58.	118.5	192.
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	9	6.7	6.644	7.1	6.	0.143	0.378	6.	6.3	6.95	7.1
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	9	6.7	6.49	7.1	6.	0.17	0.412	6.	6.3	6.95	7.1
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	9	0.2	0.323	1.	0.079	0.096	0.309	0.079	0.113	0.515	1.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	11.	16.444	39.	8.	126.028	11.226	8.	8.5	25.5	39.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	27.	31.556	55.	18.	180.528	13.436	18.	21.5	44.5	55.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	2.	3.111	7.	2.	3.111	1.764	2.	2.	4.	7.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	9	18.	16.444	26.	5.	33.278	5.769	5.	13.	19.	26.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	9 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	9 ##	0.1	0.239	1.2	0.1	0.132	0.364	0.1	0.1	0.175	1.2
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	9	3.5	10.933	54.	1.2	290.053	17.031	1.2	1.65	14.5	54.
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	9	9.	9.111	14.	6.	6.611	2.571	6.	7.	11.	14.

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

Annual Analysis for 1985 - Station OBRI0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	14.8	13.729	19.7	4.	33.332	5.773	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	76.	77.714	103.	55.	221.905	14.896	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	6	7.	6.9	7.3	6.5	0.088	0.297	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	6	7.	6.816	7.3	6.5	0.097	0.311	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	6	0.1	0.153	0.316	0.05	0.011	0.105	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	13.	14.429	22.	7.	29.286	5.412	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	25.	27.571	35.	23.	23.619	4.86	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	3.	3.286	6.	2.	2.238	1.496	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7	17.	13.857	19.	5.	27.476	5.242	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.114	0.2	0.1	0.001	0.038	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	2.7	4.143	14.	1.4	19.9	4.461	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	6.	7.	10.	4.	5.	2.236	**	**	**	**

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

Annual Analysis for 1986 - Station OBRI0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	10	14.65	14.36	23.8	3.8	48.416	6.958	4.05	8.475	21.275	23.75
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	10	79.	85.1	131.	45.	628.989	25.08	46.9	67.	105.	128.4
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	9	6.5	6.267	6.7	5.4	0.167	0.409	5.4	6.05	6.55	6.7
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	9	6.5	6.053	6.7	5.4	0.219	0.468	5.4	6.05	6.55	6.7
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	9	0.316	0.885	3.981	0.2	1.432	1.197	0.2	0.284	0.897	3.981
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	11	14.	16.727	27.	9.	45.018	6.71	9.2	12.	23.	26.8
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	11	34.	33.636	49.	19.	75.855	8.709	20.4	26.	38.	48.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	11	5.	4.909	7.	3.	1.491	1.221	3.2	4.	5.	7.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	11	13.	14.364	26.	5.	55.055	7.42	5.	5.	21.	25.2
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	11 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	11 ##	0.1	0.227	0.95	0.1	0.085	0.291	0.1	0.1	0.1	0.89
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	11	2.	4.009	28.	0.	63.987	7.999	0.1	1.1	2.4	22.92
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	11	13.	13.545	20.	10.	10.673	3.267	10.	11.	17.	19.4

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

Annual Analysis for 1987 - Station OBRI0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	5	16.	15.94	25.5	5.2	87.968	9.379	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	5	75.	71.2	86.	48.	231.7	15.222	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	5	7.	6.96	7.3	6.6	0.093	0.305	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	5	7.	6.877	7.3	6.6	0.102	0.319	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	5	0.1	0.133	0.251	0.05	0.008	0.088	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	5	12.	16.	26.	11.	45.5	6.745	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	5	31.	33.	42.	27.	31.5	5.612	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	5	5.	4.8	7.	3.	3.2	1.789	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	5	18.	15.4	28.	5.	103.3	10.164	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	5 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	5	2.3	3.28	9.	0.6	10.807	3.287	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	5	14.	14.6	18.	11.	6.8	2.608	**	**	**	**

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Annual Analysis for 1991 - Station OBRI0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	11.4	13.	23.6	3.6	66.357	8.146	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	50.	55.714	85.	30.	570.238	23.88	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	6	7.2	7.15	7.7	6.7	0.131	0.362	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	6	7.2	7.034	7.7	6.7	0.147	0.383	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	6	0.063	0.092	0.2	0.02	0.005	0.07	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	17.	18.571	35.	10.	83.286	9.126	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	27.	28.857	42.	19.	65.143	8.071	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	3.	3.571	6.	2.	1.619	1.272	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	6	15.5	15.5	18.	13.	3.5	1.871	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	6 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	6 ##	0.1	0.122	0.23	0.1	0.003	0.053	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	3.5	3.986	6.6	0.8	4.191	2.047	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	7.	7.429	10.	5.	2.286	1.512	**	**	**	**

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Annual Analysis for 1992 - Station OBRI0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	4	6.95	7.725	12.4	4.6	12.543	3.542	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	4	37.5	37.5	40.	35.	8.333	2.887	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	3	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	3	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	3	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	13.	13.	15.	11.	2.667	1.633	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	23.5	23.25	24.	22.	0.917	0.957	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	4	3.	2.75	3.	2.	0.25	0.5	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	4	18.	18.	18.	18.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	4 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	4 ##	0.16	0.168	0.25	0.1	0.006	0.079	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	4	4.85	6.175	12.5	2.5	22.089	4.7	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	4	6.5	6.75	8.	6.	0.917	0.957	**	**	**	**

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Annual Analysis for 1993 - Station OBRI0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	8	11.15	11.388	18.9	5.4	29.287	5.412	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	8	70.	66.875	100.	40.	599.554	24.486	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	7	7.1	7.129	7.6	6.9	0.062	0.25	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	7	7.1	7.077	7.6	6.9	0.065	0.256	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	7	0.079	0.084	0.126	0.025	0.001	0.037	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	8	17.	20.	36.	10.	109.429	10.461	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	8	31.	35.375	55.	22.	183.125	13.532	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	8	3.	3.75	6.	2.	2.214	1.488	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	8	17.	17.375	30.	5.	89.411	9.456	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	8 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	8 ##	0.1	0.13	0.34	0.1	0.007	0.085	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	8	2.15	4.763	25.6	0.5	71.957	8.483	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	8	7.	7.25	12.	4.	7.929	2.816	**	**	**	**

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Annual Analysis for 1994 - Station OBRI0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	6	12.75	13.883	21.4	5.5	32.806	5.728	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	57.5	60.	85.	40.	300.	17.321	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	6	7.2	7.217	7.7	6.9	0.094	0.306	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	6	7.2	7.137	7.7	6.9	0.101	0.318	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	6	0.063	0.073	0.126	0.02	0.002	0.044	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	11.5	15.333	25.	10.	45.867	6.772	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	31.	31.333	44.	20.	120.667	10.985	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	6	3.	2.467	3.	0.8	0.827	0.909	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	6 ##	10.	12.667	24.	5.	79.467	8.914	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	6 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	6 ##	0.1	0.132	0.29	0.1	0.006	0.078	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	6	2.	1.983	2.6	1.3	0.238	0.488	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	6	6.5	6.333	8.	5.	1.467	1.211	**	**	**	**

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

Annual Analysis for 1995 - Station OBRI0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	9	16.1	14.433	24.3	1.7	64.953	8.059	1.7	6.85	22.1	24.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	9	85.	83.556	114.	53.	280.778	16.756	53.	75.	92.5	114.
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	9	7.4	7.456	7.9	7.1	0.063	0.251	7.1	7.25	7.65	7.9
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	9	7.4	7.396	7.9	7.1	0.067	0.258	7.1	7.25	7.65	7.9
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	9	0.04	0.04	0.079	0.013	0.	0.021	0.013	0.023	0.057	0.079
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	26.	25.333	32.	12.	37.5	6.124	12.	22.5	30.	32.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	55.	51.333	79.	19.	257.5	16.047	19.	43.	57.	79.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	3.	3.111	7.	2.	2.611	1.616	2.	2.	3.5	7.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	9	19.	20.444	28.	17.	12.778	3.575	17.	18.	22.5	28.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	9 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	9 ##	0.1	0.158	0.25	0.1	0.005	0.07	0.1	0.1	0.23	0.25
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	9	2.	2.1	3.6	0.9	1.068	1.033	0.9	1.1	3.1	3.6
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	9	8.	8.556	10.	7.	1.028	1.014	7.	8.	9.5	10.

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

Annual Analysis for 1996 - Station OBRI0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	12.7	14.029	24.	6.3	50.602	7.114	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	57.	63.143	94.	50.	246.81	15.71	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	7	6.9	6.843	7.1	6.4	0.07	0.264	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	7	6.9	6.769	7.1	6.4	0.076	0.276	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	7	0.126	0.17	0.398	0.079	0.014	0.117	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	12.	14.571	26.	11.	31.619	5.623	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	24.	27.571	54.	20.	140.286	11.844	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	3.	3.143	5.	2.	1.143	1.069	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7	21.	21.857	26.	18.	7.143	2.673	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.251	1.	0.1	0.113	0.335	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	3.6	4.629	14.6	1.1	20.256	4.501	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	7.	6.571	8.	5.	0.952	0.976	**	**	**	**

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

Annual Analysis for 1997 - Station OBRI0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	4	11.2	10.4	16.8	2.4	43.12	6.567	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	4	58.	58.25	66.	51.	48.25	6.946	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	4	7.05	7.125	7.7	6.7	0.189	0.435	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	4	7.025	6.991	7.7	6.7	0.213	0.462	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	4	0.094	0.102	0.2	0.02	0.006	0.078	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	12.5	12.5	16.	9.	9.667	3.109	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	20.5	19.25	25.	11.	36.25	6.021	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	4	3.	3.25	4.	3.	0.25	0.5	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	4	23.	25.75	35.	22.	38.25	6.185	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	4 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	4 ##	0.1	0.175	0.4	0.1	0.023	0.15	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	4	3.3	3.35	5.	1.8	1.77	1.33	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	4	6.5	6.5	8.	5.	3.	1.732	**	**	**	**

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station OBRI0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	21	20.9	21.305	25.6	14.8	8.578	2.929	17.16	18.8	23.8	25.26
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	21	90.	100.762	192.	73.	780.39	27.935	74.2	84.5	110.	134.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	20	8.05	8.19	11.5	6.7	1.361	1.167	6.82	7.25	8.825	9.68
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	19	7.1	7.005	7.7	6.	0.209	0.458	6.1	6.7	7.3	7.6
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	19	7.1	6.735	7.7	6.	0.286	0.535	6.1	6.7	7.3	7.6
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	19	0.079	0.184	1.	0.02	0.07	0.265	0.025	0.05	0.2	0.794
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	21	25.	24.667	42.	12.	38.933	6.24	14.4	21.5	27.	31.6
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	21	44.	43.667	57.	23.	102.233	10.111	26.6	37.5	51.5	55.8
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	21	4.	4.667	10.	2.	4.733	2.176	2.	3.	7.	7.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	20	18.	16.9	26.	5.	55.042	7.419	5.	13.	23.5	26.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	20 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	12	10.	53.333	240.	0.	6746.97	82.14	0.	1.25	72.5	228.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	12	1.	1.107	2.38	0.	0.755	0.869	0.	0.175	1.852	2.356
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12.792								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	10	277.5	4237.5	38600.	20.	146025729.167	12084.111	20.	65.	880.	34912.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	10	2.442	2.509	4.587	1.301	0.921	0.96	1.301	1.753	2.892	4.451
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			323.021								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	20 ##	0.1	0.258	1.2	0.1	0.101	0.318	0.1	0.1	0.258	0.965
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	21	1.6	6.095	54.	0.5	159.737	12.639	0.64	0.95	3.55	25.2
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	21	9.	10.19	18.	4.	14.262	3.776	7.	7.5	12.5	17.

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

Seasonal Analysis for Season #2: 10/15 to 3/14 - Station OBRI0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	39	6.7	7.705	17.8	1.7	14.359	3.789	3.6	5.2	10.2	12.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	40	67.	68.475	149.	30.	699.897	26.456	40.	51.25	80.	101.7
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	39	11.6	11.367	13.5	8.8	1.25	1.118	9.8	10.7	12.1	12.7
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	36	6.95	6.9	7.9	5.9	0.273	0.523	6.2	6.525	7.2	7.63
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	36	6.947	6.62	7.9	5.9	0.354	0.595	6.2	6.525	7.2	7.63
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	36	0.113	0.24	1.259	0.013	0.08	0.282	0.024	0.063	0.3	0.631
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	40	12.	16.325	39.	7.	75.917	8.713	10.	11.	21.5	34.6
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	40	26.	31.7	79.	11.	173.138	13.158	21.1	23.	40.25	54.5
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	36	3.	3.722	7.	2.	2.206	1.485	2.	3.	4.75	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	39	18.	18.385	32.	5.	34.348	5.861	11.	17.	21.	28.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	36 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	27	17.	47.333	242.	0.	3588.615	59.905	1.6	6.	73.	124.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	27	1.23	1.264	2.384	0.	0.481	0.694	0.241	0.778	1.863	2.085
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18.368								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	24	79.5	1046.708	15400.	2.	10289140.824	3207.669	3.5	11.25	416.75	3250.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	24	1.9	1.952	4.188	0.301	1.008	1.004	0.54	1.03	2.607	3.476
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			89.439								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	40 ##	0.1	0.123	0.34	0.1	0.003	0.058	0.1	0.1	0.1	0.247
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	40	2.55	5.345	78.	0.5	156.584	12.513	1.1	1.675	3.6	8.17
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	40	8.	8.55	14.	4.	7.69	2.773	5.1	6.	10.	13.9

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	30	13.65	14.97	26.2	7.8	22.795	4.774	8.84	11.975	18.375	22.76
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	29	60.	61.103	95.	30.	228.239	15.108	45.	50.	72.	85.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	28	10.2	10.036	12.5	7.9	1.191	1.091	8.28	9.2	10.8	11.42

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	30	7.	6.907	7.7	5.4	0.203	0.45	6.4	6.775	7.225	7.39
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	30	7.	6.542	7.7	5.4	0.34	0.583	6.4	6.775	7.225	7.39
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	30	0.1	0.287	3.981	0.02	0.521	0.722	0.041	0.06	0.169	0.398
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	30	11.5	13.667	32.	8.	32.299	5.683	9.	9.75	16.25	22.7
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	30	25.	27.2	57.	18.	86.579	9.305	19.	20.	31.5	36.9
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	29	3.	2.89	5.	0.8	0.91	0.954	2.	2.	3.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	30	17.	16.067	35.	5.	55.306	7.437	5.	11.5	21.	23.9
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	29 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	23	30.	94.478	1020.	0.	47561.443	218.086	0.	8.	65.	308.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	23	1.477	1.326	3.009	0.	0.686	0.828	0.	0.903	1.813	2.487
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			21.171								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	21	160.	648.857	8200.	0.	3106153.629	1762.428	2.4	31.	418.	1292.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	21	2.204	2.009	3.914	0.	1.008	1.004	0.361	1.263	2.621	3.101
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			102.001								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	30 ##	0.1	0.146	0.95	0.1	0.027	0.164	0.1	0.1	0.1	0.228
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	30	3.1	4.49	17.	0.	15.327	3.915	1.71	2.2	5.45	11.7
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	30	7.	7.9	20.	4.	11.334	3.367	5.	6.	8.25	12.8

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

Station Inventory for Station: OBRI0025

NPS Station ID: OBRI0025 | LAT/LON: 36.075531/ -84.648365 | Agency: 11NPSWRD | Date Created: 07/11/98
Location: EMORY RIVER UPSTREAM OF THE OBED RIVER MOUTH | FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): OBRI_USFW_E1
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208 | Depth of Water: 0 | Aquifer:
Major Basin: TENNESSEE RIVER | Elevation: 0 | Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES | ECO Region:
RF1 Index: 06010208 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 06010208000109.53 | RF3 Mile Point: 9.53 | Distance from RF3: 0.48 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE LANCING TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS INSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT THE EMORY RIVER AT RIVER MILE 28.6 UPSTREAM OF THE OBED RIVER MOUTH. DATA WERE COLLECTED AT THIS SITE IN 1979 BY THOMAS M. ABBOTT OF TENNESSEE TECHNOLOGICAL UNIVERSITY IN COOPERATION WITH THE U.S. FISH AND WILDLIFE SERVICE TO ASSESS THE EFFECTS OF COAL MINING ON OBRI. STATIONS WERE SELECTED THAT WERE ACCESSIBLE AND KNOWN TO BE IMPACTED BY COAL MINING RUNOFF. DATA WERE SUMMARIZED IN A REPORT TITLED "A WATER QUALITY ASSESSMENT OF COAL MINING EFFECTS ON THE OBED WILD AND SCENIC RIVER." FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAKRIDGE DRIVE SUITE 250; FORT COLLINS CO 80521; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/79-06/26/79	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/26/79-06/26/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/26/79-06/26/79	1	89.	89.	89.	89.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/26/79-06/26/79	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/26/79-06/26/79	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/26/79-06/26/79	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/79-06/26/79	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	06/26/79-06/26/79	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/26/79-06/26/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/26/79-06/26/79	1	370.	370.	370.	370.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/26/79-06/26/79	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/26/79-06/26/79	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/26/79-06/26/79	1	50.	50.	50.	50.	0.	0.	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	06/26/79-06/26/79	1	0.56	0.56	0.56	0.56	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0025

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: OBRI0026

NPS Station ID: OBRI0026
LAT/LON: 36.075920/ -84.650087
Agency: 11NPSWRD
Date Created: 07/11/98
Location: OBED RIVER MOUTH
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_USFW_O1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE LANCING TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS INSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS ON THE OBED RIVER 50 YARDS UPSTREAM OF THE OBED RIVER MOUTH NEAR THE OBED AND EMORY RIVER CONFLUENCE. DATA WERE COLLECTED AT THIS SITE IN 1979 BY THOMAS M. ABBOTT OF TENNESSEE TECHNOLOGICAL UNIVERSITY IN COOPERATION WITH THE U.S. FISH AND WILDLIFE SERVICE ASSESSING THE EFFECTS OF COAL MINING ON OBRI. STATIONS WERE SELECTED THAT WERE ACCESSIBLE AND KNOWN TO BE IMPACTED BY COAL MINING RUNOFF. DATA WERE SUMMARIZED IN A REPORT TITLED "A WATER QUALITY ASSESSMENT OF COAL MINING EFFECTS ON THE OBED WILD AND SCENIC RIVER." FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAKRIDGE DRIVE SUITE 250; FORT COLLINS CO 80521; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/79-06/26/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/26/79-06/26/79	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/26/79-06/26/79	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/26/79-06/26/79	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/26/79-06/26/79	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/79-06/26/79	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	06/26/79-06/26/79	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/26/79-06/26/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/26/79-06/26/79	1	240.	240.	240.	240.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/26/79-06/26/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/26/79-06/26/79	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/26/79-06/26/79	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: OBRI0026

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: OBRI0027

NPS Station ID: OBRI0027
LAT/LON: 36.074115/ -84.651392
Agency: 11NPSWRD
Date Created: 07/04/98
Location: EMORY RIVER NEAR NEMO BRIDGE
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_NPS_E2
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE LANCING TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS INSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT THE EMORY RIVER NEAR NEMO BRIDGE AT STREAM MILE 28.5. DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSEE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/79-09/30/80	5	14.	14.	25.	4.	70.5	8.396	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	11/16/79-09/30/80	5	16.	13.4	24.	-6.	134.8	11.61	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/16/79-09/30/80	5	45.	50.8	95.	25.	698.2	26.423	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/16/79-09/30/80	4	10.65	10.575	13.	8.	5.576	2.361	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/16/79-09/30/80	5	6.4	6.26	6.8	5.5	0.243	0.493	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/16/79-09/30/80	5	6.4	6.015	6.8	5.5	0.318	0.564	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/16/79-09/30/80	5	0.398	0.966	3.162	0.158	1.562	1.25	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	5	11.	14.8	33.	0.	159.2	12.617	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/03/80-09/30/80	3 ##	0.	7.	21.	0.	147.	12.124	**	**	**	**
00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	11/16/79-09/30/80	5 ##	0.025	0.269	1.2	0.025	0.271	0.521	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/79-06/07/80	4 ##	0.05	0.058	0.08	0.05	0.	0.015	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/16/79-09/30/80	5	0.025	0.03	0.06	0.01	0.	0.018	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/80-06/08/80	1 ##	0.375	0.375	0.375	0.375	0.	0.	**	**	**	**
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	02/29/80-09/30/80	3 ##	0.025	0.027	0.03	0.025	0.	0.003	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	5	18.	18.2	23.	14.	12.2	3.493	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/08/80-06/08/80	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/08/80-06/08/80	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	06/08/80-06/08/80	1	2.11	2.11	2.11	2.11	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	06/08/80-06/08/80	1 ##	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**

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

Parameter Inventory for Station: OBRI0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	11/16/79-09/30/80	5	20.	16.4	26.	4.	82.8	9.099	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	06/08/80-06/08/80	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/80-06/08/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/16/79-09/30/80	6 ##	5.5	21.333	100.	1.	1519.467	38.98	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	06/08/80-06/08/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/16/79-09/30/80	6 ##	2.5	7.917	35.	2.5	176.042	13.268	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/16/79-09/30/80	6	145.	161.667	220.	120.	1536.667	39.2	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	02/29/80-09/30/80	5 ##	5.	354.	1750.	5.	609005.	780.388	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/16/79-06/08/80	2	20.	20.	30.	10.	200.	14.142	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/08/80-06/08/80	1 ##	30.	30.	30.	30.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/16/79-06/08/80	4 ##	27.5	76.375	250.	0.5	13897.563	117.888	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/16/79-09/30/80	6	235.	563.333	1850.	80.	462346.667	679.961	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	11/16/79-09/30/80	4	15.55	16.375	34.	0.4	297.443	17.247	**	**	**	**
31611	FECAL COLIFORM, MF, M-TEC #/100ML	11/16/79-11/16/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31611	LOG FECAL COLIFORM, MF, M-TEC #/1	11/16/79-11/16/79	1	0.602	0.602	0.602	0.602	0.	0.	**	**	**	**
31611	GM FECAL COLIFORM, MF, M-TEC #/10	GEOMETRIC MEAN =			4.								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/16/79-09/30/80	4	1.5	1.25	2.	0.	0.917	0.957	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/16/79-09/30/80	4	0.151	0.151	0.301	0.	0.03	0.174	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.414								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	2	5.	5.	10.	0.	50.	7.071	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	2	0.5	0.5	1.	0.	0.5	0.707	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			3.162								
38745	2,4-DB WATER, TOTUG/L	06/08/80-06/08/80	1 ##	1.95	1.95	1.95	1.95	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39755	MIREX, TOTAL (UG/L)	06/08/80-06/08/80	1 ##	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	11/16/79-09/30/80	5	0.2	0.19	0.4	0.05	0.018	0.134	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11/16/79-11/16/79	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/07/80-09/30/80	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/16/79-09/30/80	5	3.	2.4	3.	1.	0.8	0.894	**	**	**	**
82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	11/16/79-06/07/80	4 ##	0.05	0.15	0.45	0.05	0.04	0.2	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0027

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	4	0.80	1	1	1.00	2	1	0.50	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	1	1.00							1	1	1.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	6	1	0.17	1	0	0.00	2	1	0.50	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5 &	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	1300.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	4 &	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	15.	4 &	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3 &	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	5000.	4	0	0.00				2	0	0.00	2	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00							1	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00							1	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00							1	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00							1	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00							1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00							1	0	0.00			
		Drinking Water	3.	1	0	0.00							1	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.4	1	0	0.00							1	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00							1	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	1	0	0.00							1	0	0.00			
39720	PICLORAM IN WHOLE WATER SAMPLE	Drinking Water	500.	1	0	0.00							1	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00							1	0	0.00			
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00				1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	2.	2	0	0.00	1	0	0.00				1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	5	0	0.00	1	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: OBRI0028

NPS Station ID: OBRI0028
LAT/LON: 36.065281/ -84.658059
Agency: 21TNWQ
Date Created: 03/05/83
Location: ISLAND CR 0.1 @ MOUTH QUAD 122SW
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): ISLANDCRIS03
RMI-Indexes: 1021500 007720 00920 7930 0250 0970
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.40 027.17 000.10
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: CLINCH RIVER
ECO Region:
RF1 Index: 06010208005
RF1 Mile Point: 3.480
Distance from RF1: 7.80
On/Off RF1: OFF
RF3 Index: 06010208003500.93
RF3 Mile Point: 1.97
Distance from RF3: 0.02
On/Off RF3:
Description:
W.Q. LIBRARY FILE INDEX NO. BF0.04 CHEMICAL DATA FOR TRIBS TO ISLAND CR ARE INCLUDED IN SURVEY BUT NOT ENTERED INTO STORET DUE TO INABILITY TO ADEQUATELY DEFINE STATIONS

Parameter Inventory for Station: OBRI0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/15/79-10/15/79	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/15/79-10/15/79	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/15/79-10/15/79	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/15/79-10/15/79	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/15/79-10/15/79	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/15/79-10/15/79	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/15/79-10/15/79	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/15/79-10/15/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	10/15/79-10/15/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/15/79-10/15/79	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/15/79-10/15/79	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/15/79-10/15/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/15/79-10/15/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	10/15/79-10/15/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/15/79-10/15/79	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	10/15/79-10/15/79	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/15/79-10/15/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/15/79-10/15/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/15/79-10/15/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/15/79-10/15/79	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/15/79-10/15/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/15/79-10/15/79	1	34.	34.	34.	34.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/15/79-10/15/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/15/79-10/15/79	1	140.	140.	140.	140.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0028

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	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						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: OBRI0029

NPS Station ID: OBRI0029
LAT/LON: 36.065087/ -84.660782
Agency: 11NPSWRD
Date Created: 07/04/98
Location: ISLAND CREEK WEST OF NEMO
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_NPS_IC14
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE LANCING TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS OUTSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT ISLAND CREEK 1.1 KM WEST OF NEMO NEAR THE CONFLUENCE OF ISLAND CREEK AND EMORY RIVER (STREAM MILE 0.4). DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSEE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NPS WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/80-08/03/80	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/03/80-08/03/80	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/80-08/03/80	1	105.	105.	105.	105.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/03/80-08/03/80	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/03/80-08/03/80	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/80-08/03/80	1	12.589	12.589	12.589	12.589	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/80-08/03/80	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/03/80-08/03/80	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/03/80-08/03/80	1	26.	26.	26.	26.	0.	0.	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	08/03/80-08/03/80	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	08/03/80-08/03/80	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: OBRI0029

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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									
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: OBRI0030

NPS Station ID: OBRI0030
LAT/LON: 36.067392/ -84.661170
Agency: 11NPSWRD
Date Created: 07/11/98
Location: EMORY RIVER BELOW NEMO BRIDGE
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_USFW_E3
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE LANCING TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS OUTSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT THE EMORY RIVER AT RIVER MILE 27.5; 0.1 MILES DOWNSTREAM OF NEMO BRIDGE. DATA WERE COLLECTED AT THIS SITE IN 1979 BY THOMAS M. ABBOTT OF TENNESSEE TECHNOLOGICAL UNIVERSITY IN COOPERATION WITH THE U.S. FISH AND WILDLIFE SERVICE TO ASSESS THE EFFECTS OF COAL MINING ON OBRI. STATIONS WERE SELECTED THAT WERE ACCESSIBLE AND KNOWN TO BE IMPACTED BY COAL MINING RUNOFF. DATA WERE SUMMARIZED IN A REPORT TITLED "A WATER QUALITY ASSESSMENT OF COAL MINING EFFECTS ON THE OBED WILD AND SCENIC RIVER." FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAKRIDGE DRIVE SUITE 250; FORT COLLINS CO 80521; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/79-06/26/79	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/26/79-06/26/79	1	124.	124.	124.	124.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/26/79-06/26/79	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/26/79-06/26/79	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/26/79-06/26/79	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/26/79-06/26/79	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/79-06/26/79	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	06/26/79-06/26/79	1	23.	23.	23.	23.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/26/79-06/26/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/26/79-06/26/79	1	150.	150.	150.	150.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/26/79-06/26/79	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/26/79-06/26/79	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/26/79-06/26/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	06/26/79-06/26/79	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0030

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: OBRI0031

NPS Station ID: OBRI0031 LAT/LON: 36.070226/ -84.661449 Agency: 11NPSWRD Date Created: 07/11/98
Location: EMORY RIVER UPSTREAM OF NEMO BRIDGE FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): OBRI_USFW_E2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE LANCING TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS INSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS ON THE EMORY RIVER ON RIVER MILE 27.7; 0.1 MILES UPSTREAM OF NEMO BRIDGE. DATA WERE COLLECTED AT THIS SITE IN 1979 BY THOMAS M. ABBOTT OF TENNESSEE TECHNOLOGICAL UNIVERSITY IN COOPERATION WITH THE U.S. FISH AND WILDLIFE SERVICE TO ASSESS THE EFFECTS OF COAL MINING ON OBRI. STATIONS WERE SELECTED THAT WERE ACCESSIBLE AND KNOWN BE IMPACTED BY COAL MINING RUNOFF. DATA WERE SUMMARIZED IN A REPORT TITLED "A WATER QULAITY ASSESSMENT OF COAL MINING EFFECTS ON THE OBED WILD AND SCENIC RIVER." FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAKRIDGE DRIVE SUITE 250; FORT COLLINS CO 80521; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/79-06/26/79	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/26/79-06/26/79	1	123.	123.	123.	123.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/26/79-06/26/79	1	67.	67.	67.	67.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/26/79-06/26/79	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/26/79-06/26/79	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/26/79-06/26/79	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/79-06/26/79	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	06/26/79-06/26/79	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/26/79-06/26/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/26/79-06/26/79	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/26/79-06/26/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/26/79-06/26/79	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/26/79-06/26/79	1	50.	50.	50.	50.	0.	0.	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	06/26/79-06/26/79	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: OBRI0031

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: OBRI0032

NPS Station ID: OBRI0032
LAT/LON: 36.068615/ -84.662504
Agency: 131TVAC
Date Created: / /
Location: COUNTY BRIDGE NEAR NEMO
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475310 /3521
RMI-Indexes: 1021500 007720 00920 7930 0250
Within Park Boundary: Yes
RMI-Miles: 0953.80 0046.50 567.70 004.36 027.58
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: CLINCH RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: EMORY RIVER 27.58
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.90
On/Off RF1:
RF3 Index: 06010208000901.71
RF3 Mile Point: 2.24
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/27/67-11/02/71	15	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/67-11/02/71	14	16.75	15.843	27.	2.	63.943	7.996	3.75	8.375	22.75	27.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/27/67-11/02/71	15	140.	1221.333	10800.	24.	7706324.238	2776.027	26.4	66.	800.	6060.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/27/67-11/02/71	11	8.	11.455	45.	3.	153.873	12.405	3.	4.	15.	40.
00080	COLOR (PLATINUM-COBALT UNITS)	09/27/67-11/02/71	11	10.	11.591	30.	2.5	75.341	8.68	3.	5.	15.	29.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/27/67-11/02/71	11	40.	55.455	120.	27.	819.673	28.63	28.	35.	80.	113.2
00300	OXYGEN, DISSOLVED MG/L	09/27/67-11/02/71	15	9.5	10.053	13.6	8.5	2.468	1.571	8.5	9.	11.4	13.06
00310	BOD, 5 DAY, 20 DEG C MG/L	09/27/67-11/02/71	11 ##	0.5	1.127	3.7	0.5	1.08	1.039	0.5	0.5	1.8	3.38
00335	COD, .025N K2CR2O7 MG/L	09/27/67-04/22/68	6	8.5	8.167	10.	5.	3.767	1.941	**	**	**	**
00400	PH (STANDARD UNITS)	09/27/67-11/02/71	15	6.9	7.073	8.2	6.2	0.356	0.597	6.32	6.7	7.4	8.14
00400	CONVERTED PH (STANDARD UNITS)	09/27/67-11/02/71	15	6.9	6.789	8.2	6.2	0.443	0.666	6.32	6.7	7.4	8.14
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/27/67-11/02/71	15	0.126	0.163	0.631	0.006	0.03	0.172	0.007	0.04	0.2	0.491
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/27/67-02/14/68	9	19.	37.556	100.	6.	1030.528	32.102	6.	12.5	60.	100.
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/27/67-04/22/68	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500	RESIDUE, TOTAL (MG/L)	09/27/67-04/22/68	6	35.	35.	60.	10.	270.	16.432	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/27/67-04/22/68	6	35.	35.	60.	10.	270.	16.432	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/27/67-11/02/71	10	0.18	0.3	1.4	0.12	0.151	0.389	0.122	0.155	0.218	1.287
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/27/67-11/02/71	10 ##	0.005	0.035	0.26	0.005	0.006	0.08	0.005	0.005	0.023	0.237
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/27/67-11/02/71	11 ##	0.005	0.009	0.04	0.005	0.	0.011	0.005	0.005	0.005	0.034
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/27/67-11/02/71	11	0.04	0.06	0.2	0.005	0.004	0.065	0.005	0.005	0.1	0.188
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/27/67-11/02/71	10	0.023	0.021	0.033	0.003	0.	0.01	0.003	0.012	0.03	0.033
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/27/67-02/14/68	5	0.023	0.023	0.033	0.016	0.	0.008	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/71-11/02/71	4	0.013	0.012	0.016	0.007	0.	0.005	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/27/67-11/02/71	13	5.	4.731	8.	2.	3.192	1.787	2.2	3.	6.25	7.4
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/27/67-11/02/71	13	1.2	1.346	2.	0.9	0.148	0.384	0.94	1.	1.6	2.
00929	SODIUM, TOTAL (MG/L AS NA)	09/27/67-11/02/71	11	1.5	1.479	3.6	0.08	0.898	0.948	0.082	1.2	1.8	3.26
00937	POTASSIUM, TOTAL MG/L AS K)	09/27/67-11/02/71	11	1.2	1.444	2.8	0.08	0.54	0.735	0.264	1.1	2.	2.7
00940	CHLORIDE,TOTAL IN WATER MG/L	09/27/67-11/02/71	15	4.	5.267	20.	1.	19.352	4.399	1.6	3.	6.	12.2
00945	SULFATE, TOTAL (MG/L AS SO4)	09/27/67-11/02/71	14	6.	7.571	18.	4.	18.264	4.274	4.	4.75	8.25	17.
00956	SILICA, TOTAL (MG/L AS SI02)	09/27/67-04/22/68	6	2.55	2.65	4.2	1.	1.639	1.28	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/27/67-12/05/67	3	10.	18.333	40.	5.	358.333	18.93	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/27/67-12/05/67	8	280.	302.5	440.	230.	5507.143	74.21	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/27/67-02/14/68	9	100.	95.556	160.	50.	1352.778	36.78	50.	60.	125.	160.
01047	IRON, FERROUS (UG/L AS FE)	09/27/67-04/22/68	9 ##	25.	44.444	100.	25.	1059.028	32.543	25.	25.	75.	100.
01055	MANGANESE, TOTAL (UG/L AS MN)	09/27/67-12/05/67	4	70.	72.5	120.	30.	1358.333	36.856	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/17/67-02/14/68	4 ##	12.5	20.	50.	5.	450.	21.213	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/27/67-12/05/67	4	90.	90.	120.	60.	1200.	34.641	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/06/71-11/02/71	5	40.	1040.	5000.	20.	4901400.	2213.911	**	**	**	**

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

Parameter Inventory for Station: OBRI0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/06/71-11/02/71	5	1.602	2.041	3.699	1.301	0.921	0.96	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			109.856								
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	09/27/67-04/22/68	6	825.	938.833	2300.	21.	815667.367	903.143	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	09/27/67-04/22/68	6	2.891	2.577	3.362	1.322	0.688	0.83	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			377.603								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/27/67-04/22/68	6	49.5	103.833	360.	1.	19876.567	140.984	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/27/67-04/22/68	6	1.336	1.318	2.556	0.	1.115	1.056	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			20.81								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/06/71-11/02/71	5	10.	50.	220.	5.	9037.5	95.066	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/06/71-11/02/71	5	1.	1.148	2.342	0.699	0.468	0.684	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			14.063								
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	09/27/67-11/02/71	13	17.	17.385	27.	9.	32.923	5.738	9.4	13.	22.5	26.2

** - 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: OBRI0032

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/14----------			----------10/15-3/14----------			----------3/15-6/30----------			----------n/a----------		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	11	0	0.00	5	0	0.00	5	0	0.00	1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	15	0	0.00	7	0	0.00	7	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	15	0	0.00	7	0	0.00	7	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	15	3	0.20	7	2	0.29	7	1	0.14	1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	11	0	0.00	5	0	0.00	5	0	0.00	1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	11	0	0.00	5	0	0.00	5	0	0.00	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	15	0	0.00	7	0	0.00	7	0	0.00	1	0	0.00			
		Drinking Water	250.	15	0	0.00	7	0	0.00	7	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	14	0	0.00	7	0	0.00	6	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	3	1	0.33	1	0	0.00	2	1	0.50						
		Drinking Water	1300.	3	0	0.00	1	0	0.00	2	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	4	2	0.50	1	1	1.00	3	1	0.33						
		Drinking Water	5000.	4	0	0.00	1	0	0.00	3	0	0.00						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	5	1	0.20	4	1	0.25	1	0	0.00						
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	6	3	0.50	1	0	0.00	4	3	0.75	1	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	6	1	0.17	1	0	0.00	4	1	0.25	1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	5	1	0.20	4	1	0.25	1	0	0.00						

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

Station Inventory for Station: OBRI0033

NPS Station ID: OBRI0033 | LAT/LON: 36.068560/ -84.662587 | Agency: 11NPSWRD | Date Created: 05/09/98
Location: EMORY RIVER AT NEMO BRIDGE | FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): OBRI_NPS_ER-1
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208 | Depth of Water: 0 | Aquifer:
Major Basin: TENNESSEE RIVER | Elevation: 0 | Water Body Id:
Minor Basin: TENNESSEE RIVER MAIN STEM AND MINOR TRIB | ECO Region:
RF1 Index: 06010208 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 06010208000109.53 | RF3 Mile Point: 9.53 | Distance from RF3: 0.48 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE LANCING TN-MORGAN CO 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS ON A STREAM INSIDE THE BOUNDARY OF THE OBED WILD AND SCENIC RIVER. THE SITE IS ON EMORY RIVER AT NEMO BRIDGE. THE SITE IS SAMPLED FOR PH; CONDUCTIVITY; METALS; AND COLIFORMS. THE SAMPLING WAS BEGUN TO ENSURE THAT THE WILD AND SCENIC RIVER WAS PROTECTED AND PRESERVED AS MANDATED IN THE EARLY 1980'S. THE SAMPLING WAS DONE BY PARK PERSONNEL. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES; OBED WILD AND SCENIC RIVER; P.O. BOX 429; WARTBURG TN 37887-0429 (TEL. 423-346-6294). DATA WERE 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: OBRI0033

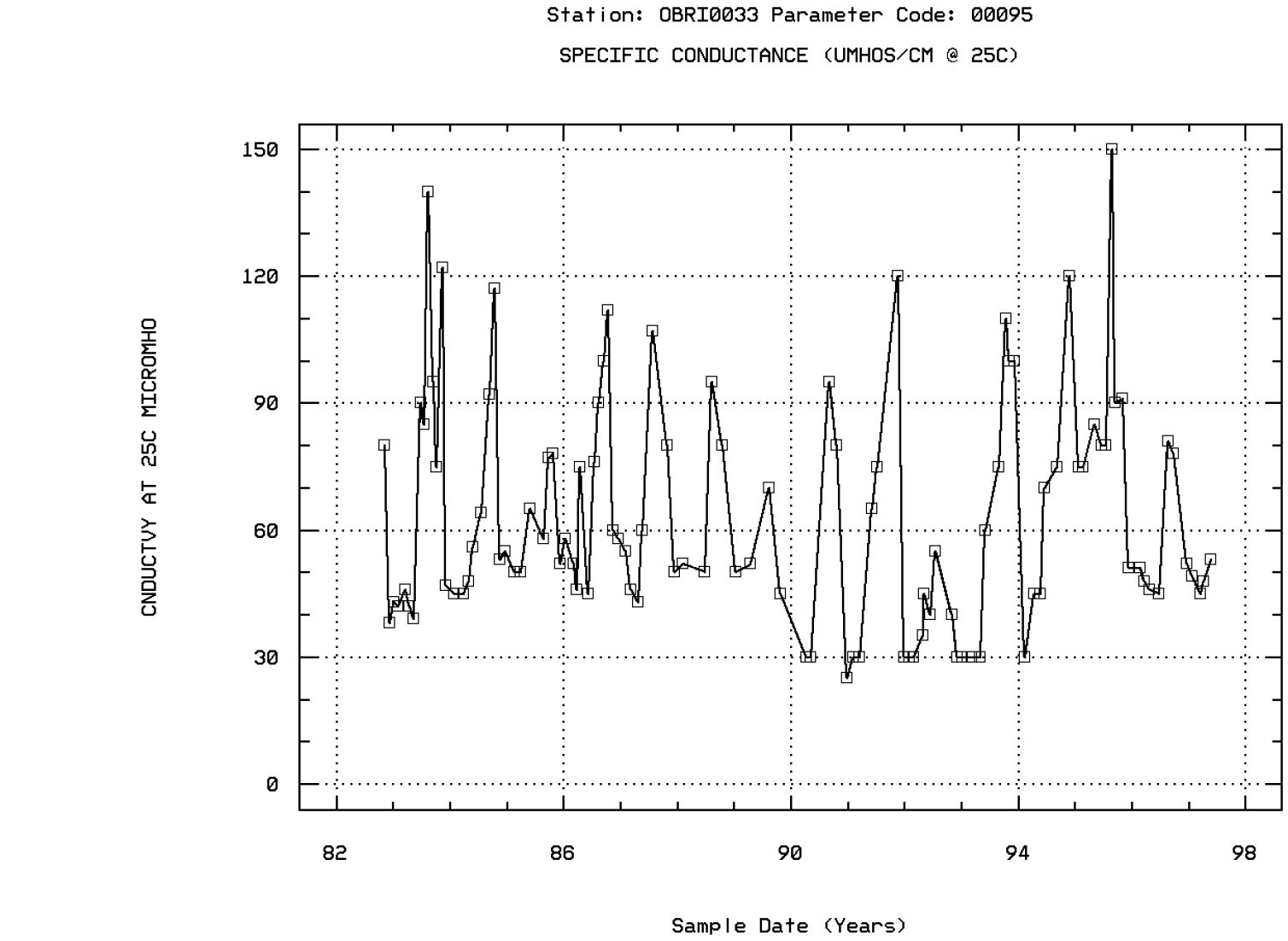
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	110	13.	14.155	28.	0.2	55.788	7.469	5.12	8.2	20.875	25.7
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	109	55.	63.339	150.	25.	699.911	26.456	30.	45.	80.	100.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	106	10.1	9.91	13.6	6.6	2.861	1.691	7.37	8.55	11.3	12.1
00406p	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	102	7.	6.989	8.	6.	0.159	0.398	6.4	6.8	7.225	7.5
00406p	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	102	7.	6.799	8.	6.	0.195	0.442	6.4	6.8	7.225	7.5
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	102	0.1	0.159	1.	0.01	0.034	0.184	0.032	0.06	0.158	0.398
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	108	15.5	18.176	51.	7.	85.137	9.227	9.	11.	23.	30.
00612	AMMONIA, UNIONZED (MG/L AS N)	11/01/95-05/19/97	12	0.1	0.11	0.37	0.	0.013	0.113	0.	0.	0.168	0.331
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	108	21.	26.694	64.	14.	148.364	12.18	16.	18.	30.75	48.2
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	102	5.	5.409	25.	0.7	9.42	3.069	3.	3.	7.	9.
00945p	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	106 ##	5.	7.736	22.	5.	19.72	4.441	5.	5.	11.	15.
01055p	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	103 ##	250.	250.243	500.	25.	1109.009	33.302	250.	250.	250.	250.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/10/83-04/11/88	24	54.	136.875	1060.	0.	49956.027	223.508	0.	12.5	193.75	330.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	05/10/83-04/11/88	24	1.732	1.609	3.025	0.	0.699	0.836	0.	1.075	2.287	2.511
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			40.631								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	79	10.	32.848	560.	0.	5038.233	70.981	0.	2.	35.	96.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	79	1.	0.984	2.748	0.	0.505	0.711	0.	0.301	1.544	1.982
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.644								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	75	84.	987.253	29000.	0.	13291975.327	3645.816	2.	16.	260.	2400.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	75	1.924	1.858	4.462	0.	1.042	1.021	0.301	1.204	2.415	3.38
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			72.07								
74010p	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	106 ##	0.1	0.114	0.55	0.1	0.004	0.06	0.1	0.1	0.1	0.1
82078p	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	109	1.6	3.501	66.	0.	49.785	7.056	0.8	1.1	3.5	5.8
82242p	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	108	8.	8.852	31.	4.	15.772	3.971	5.	6.	10.	14.

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

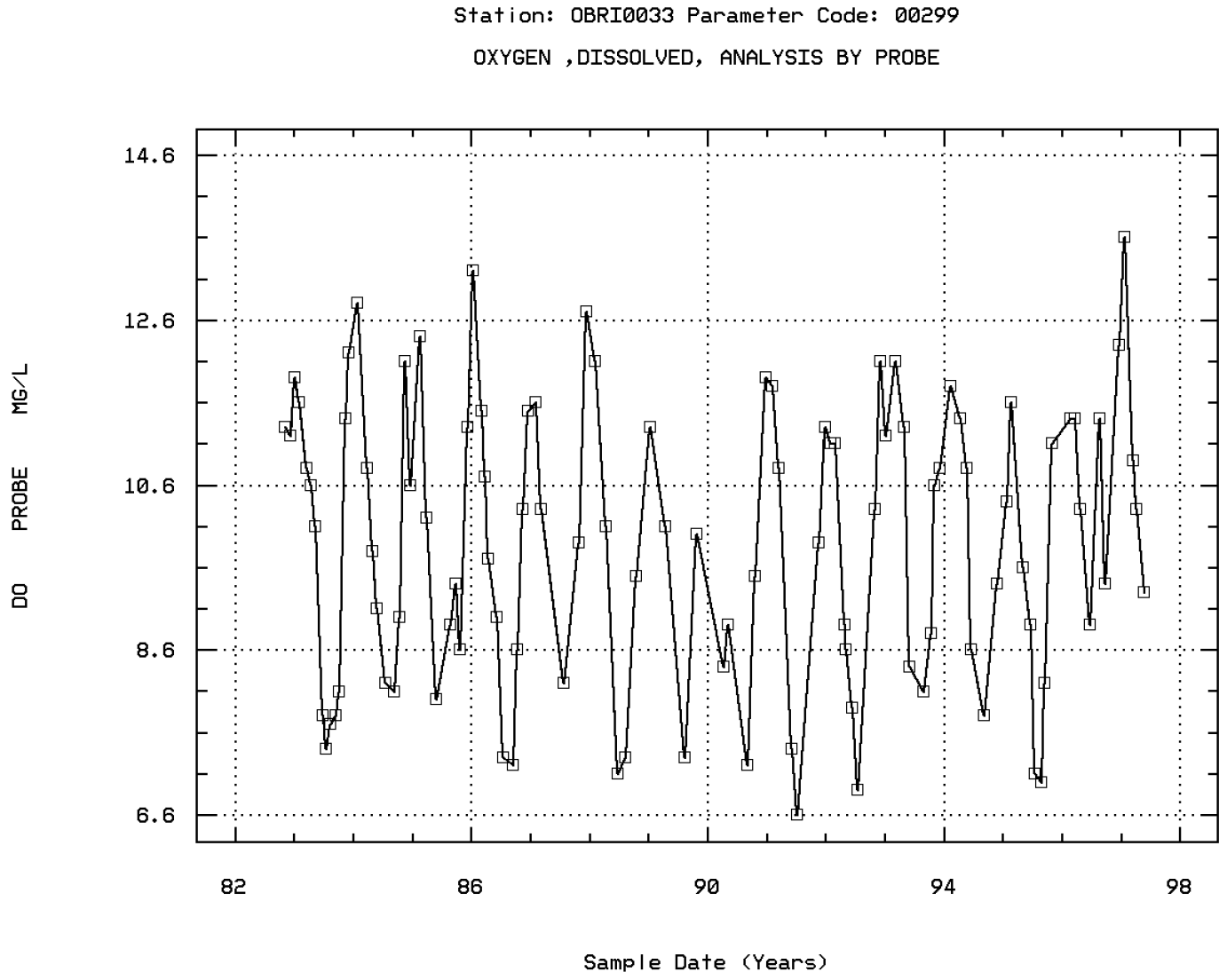
EPA Water Quality Criteria Analysis for Station: OBRI0033

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	106	0	0.00	24	0	0.00	47	0	0.00	35	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	102	0	0.00	21	0	0.00	44	0	0.00	37	0	0.00			
		Other-Lo Lim.	6.5	102	14	0.14	21	3	0.14	44	6	0.14	37	5	0.14			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	102	0	0.00	23	0	0.00	43	0	0.00	36	0	0.00			
		Drinking Water	250.	102	0	0.00	23	0	0.00	43	0	0.00	36	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	106	0	0.00	23	0	0.00	46	0	0.00	37	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	24	1	0.04	7	1	0.14	9	0	0.00	8	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	79	1	0.01	15	1	0.07	34	0	0.00	30	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	109	1	0.01	24	0	0.00	48	1	0.02	37	0	0.00			

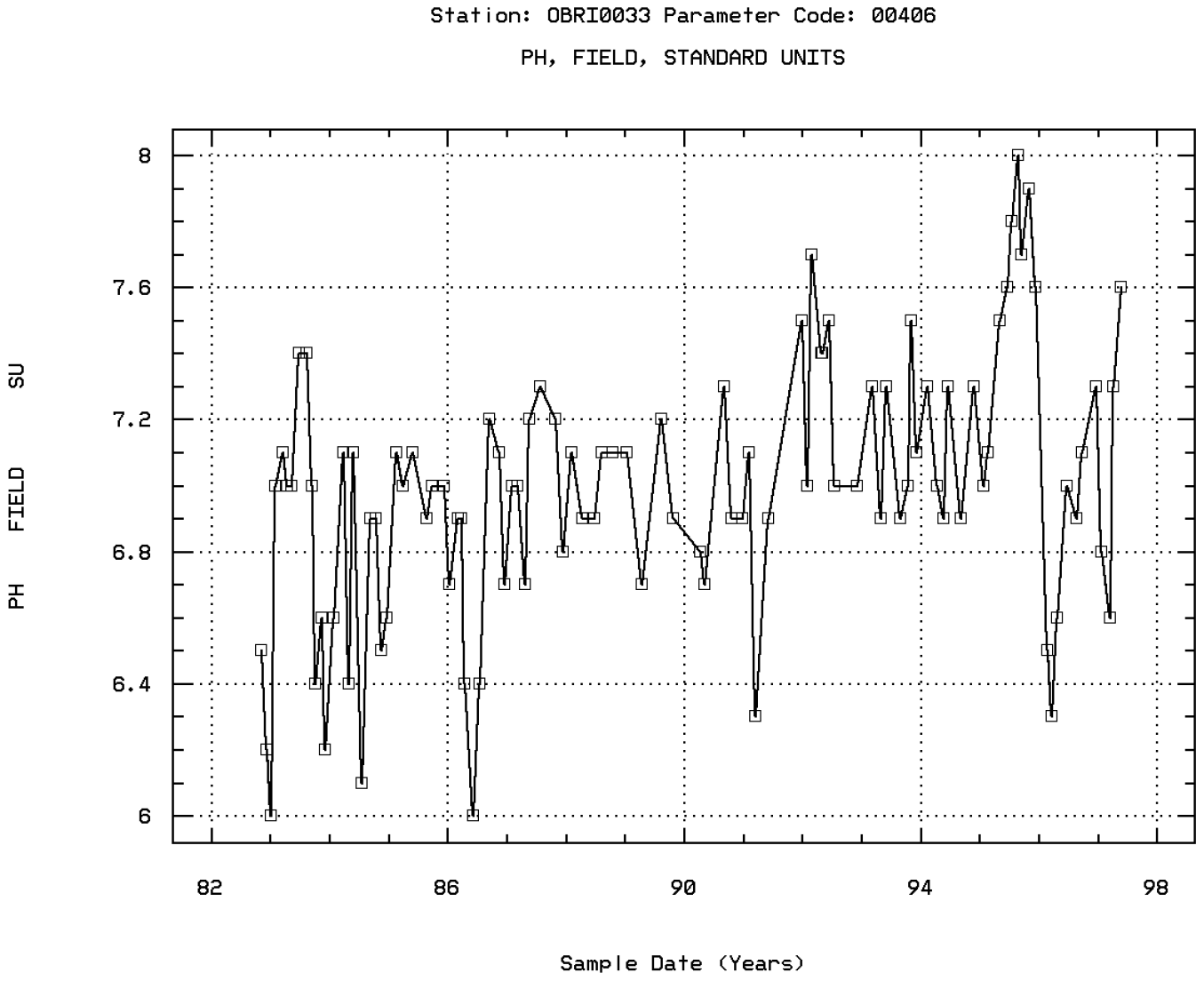
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



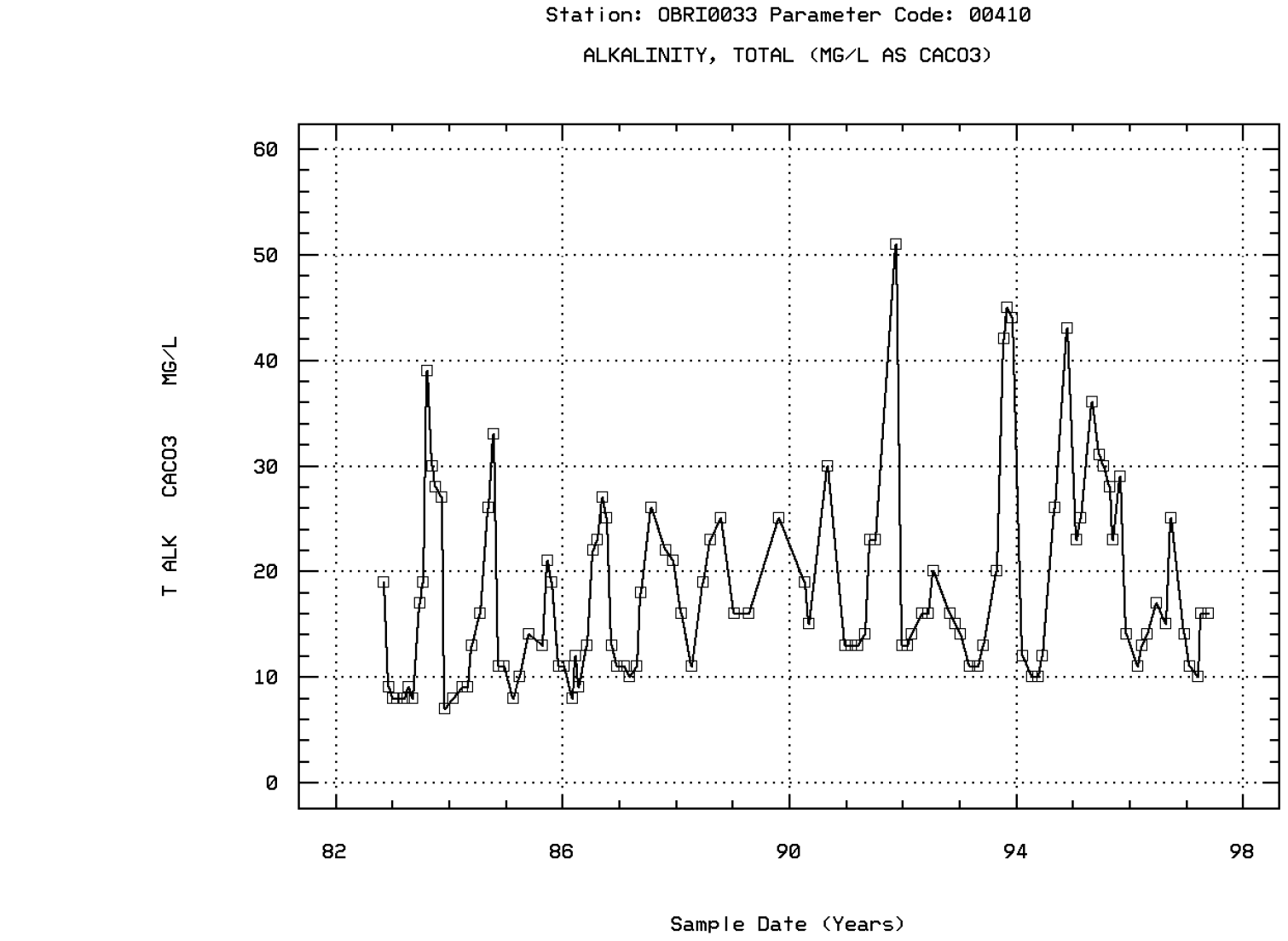
EMORY RIVER AT NEMO BRIDGE



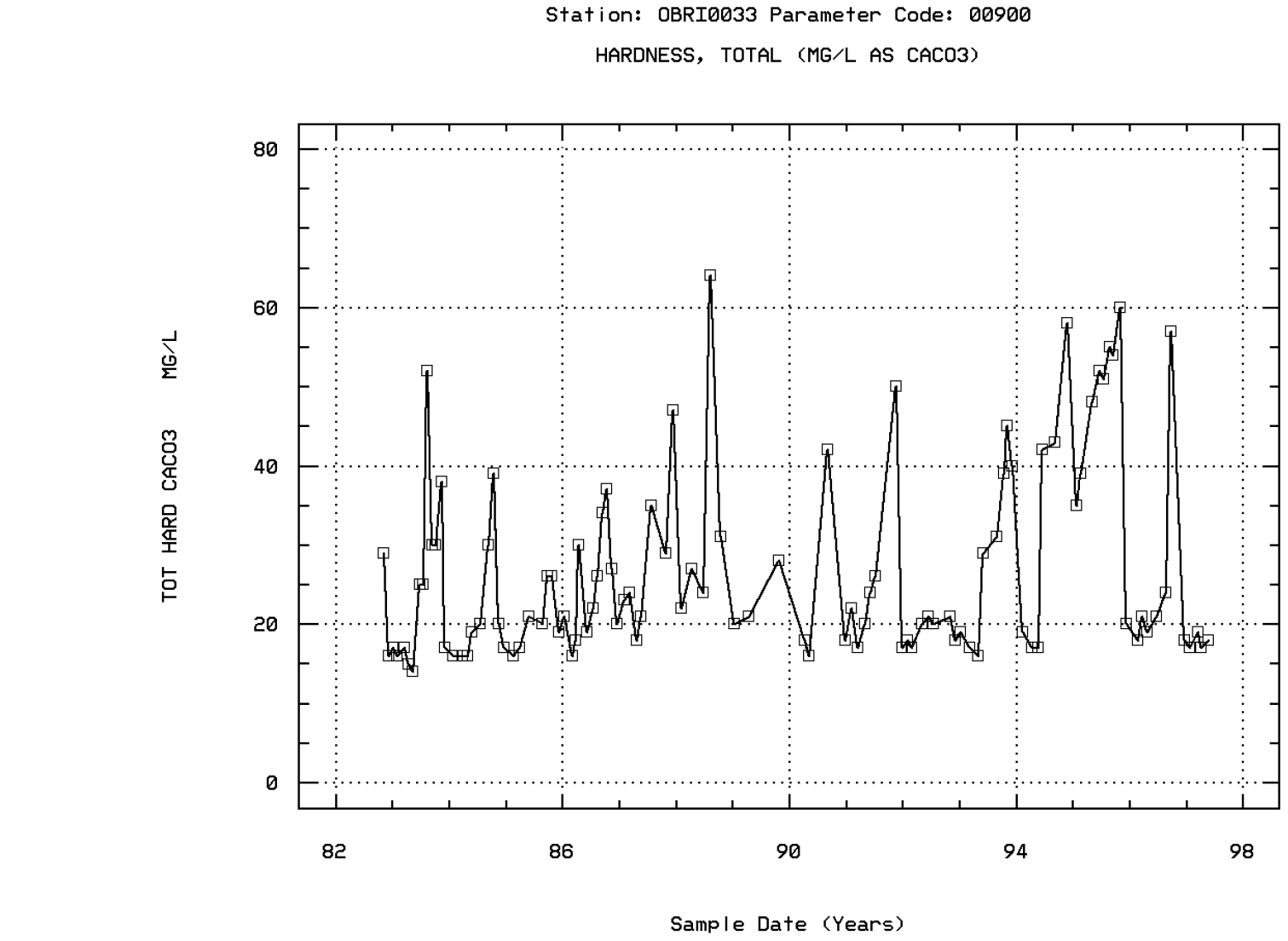
EMORY RIVER AT NEMO BRIDGE



EMORY RIVER AT NEMO BRIDGE



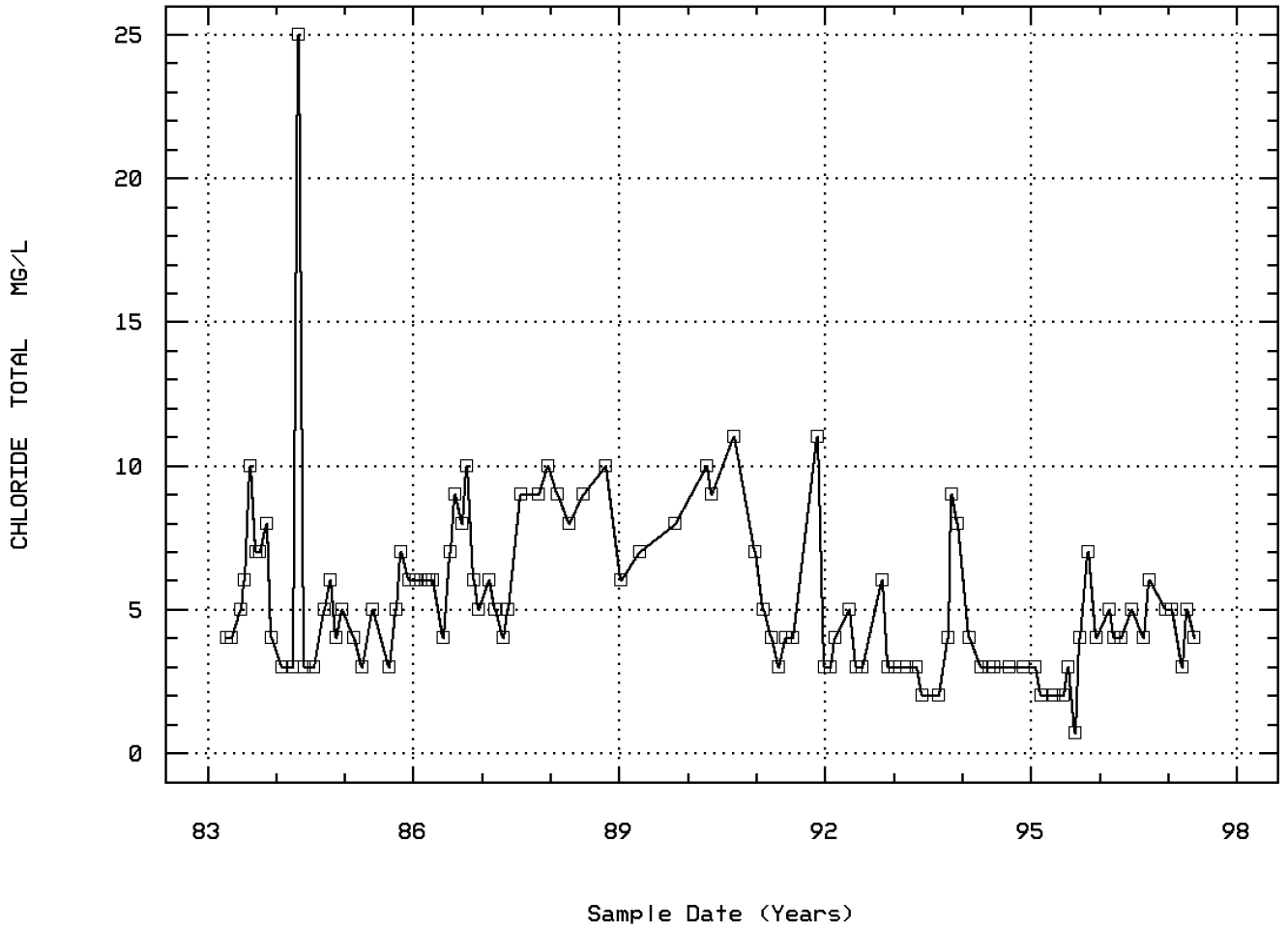
EMORY RIVER AT NEMO BRIDGE



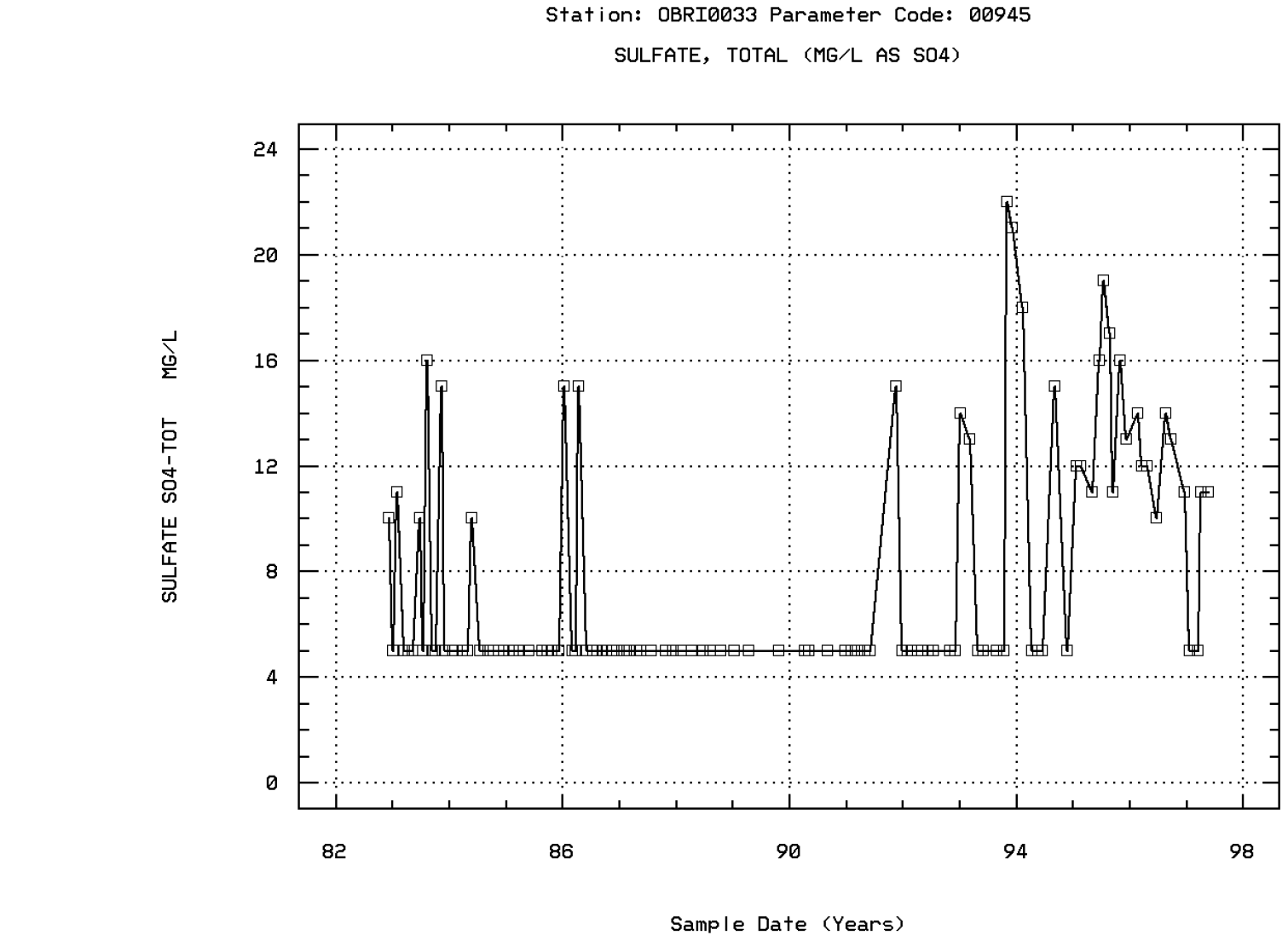
EMORY RIVER AT NEMO BRIDGE

Station: OBRI0033 Parameter Code: 00940

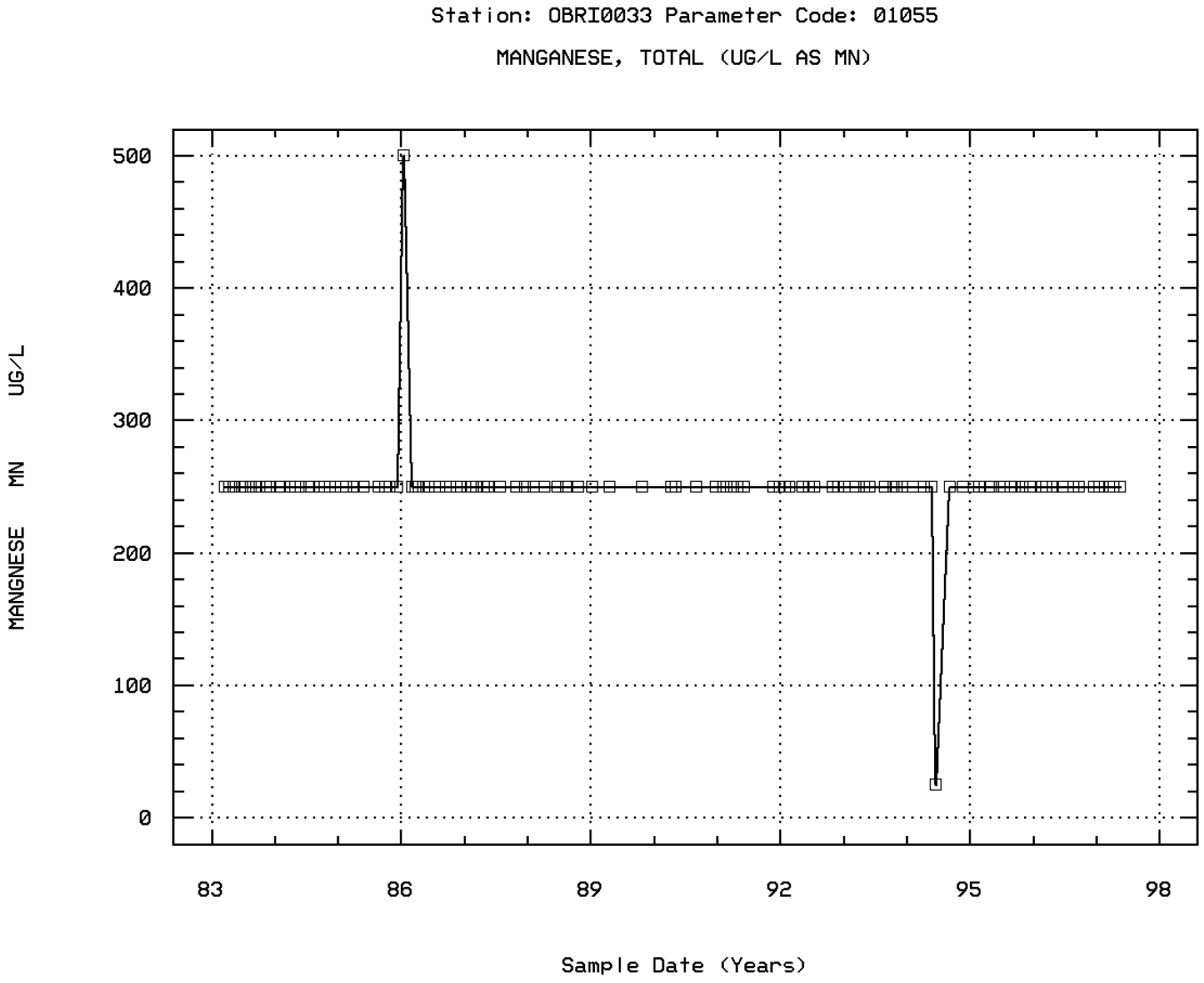
CHLORIDE,TOTAL IN WATER



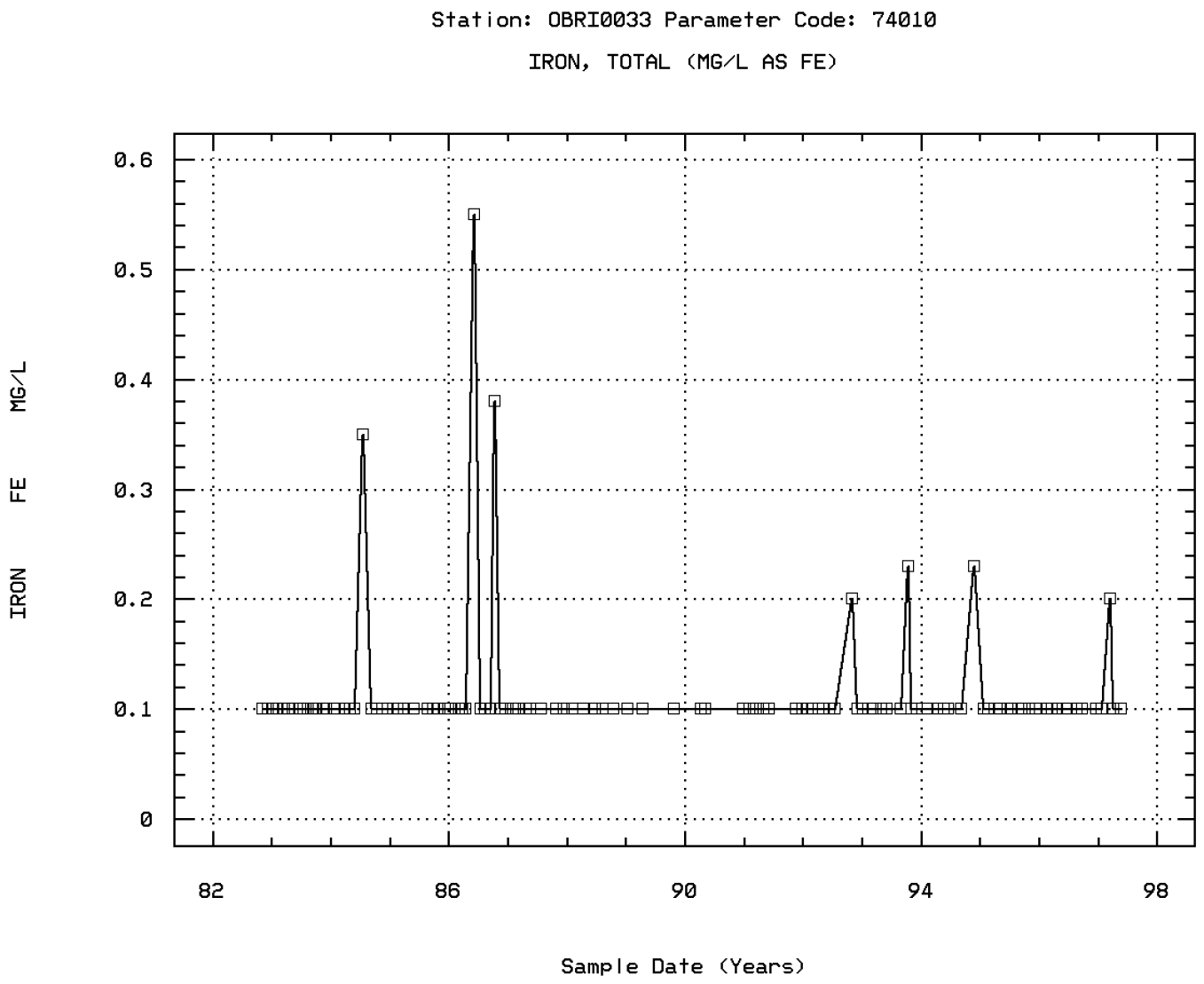
EMORY RIVER AT NEMO BRIDGE



EMORY RIVER AT NEMO BRIDGE



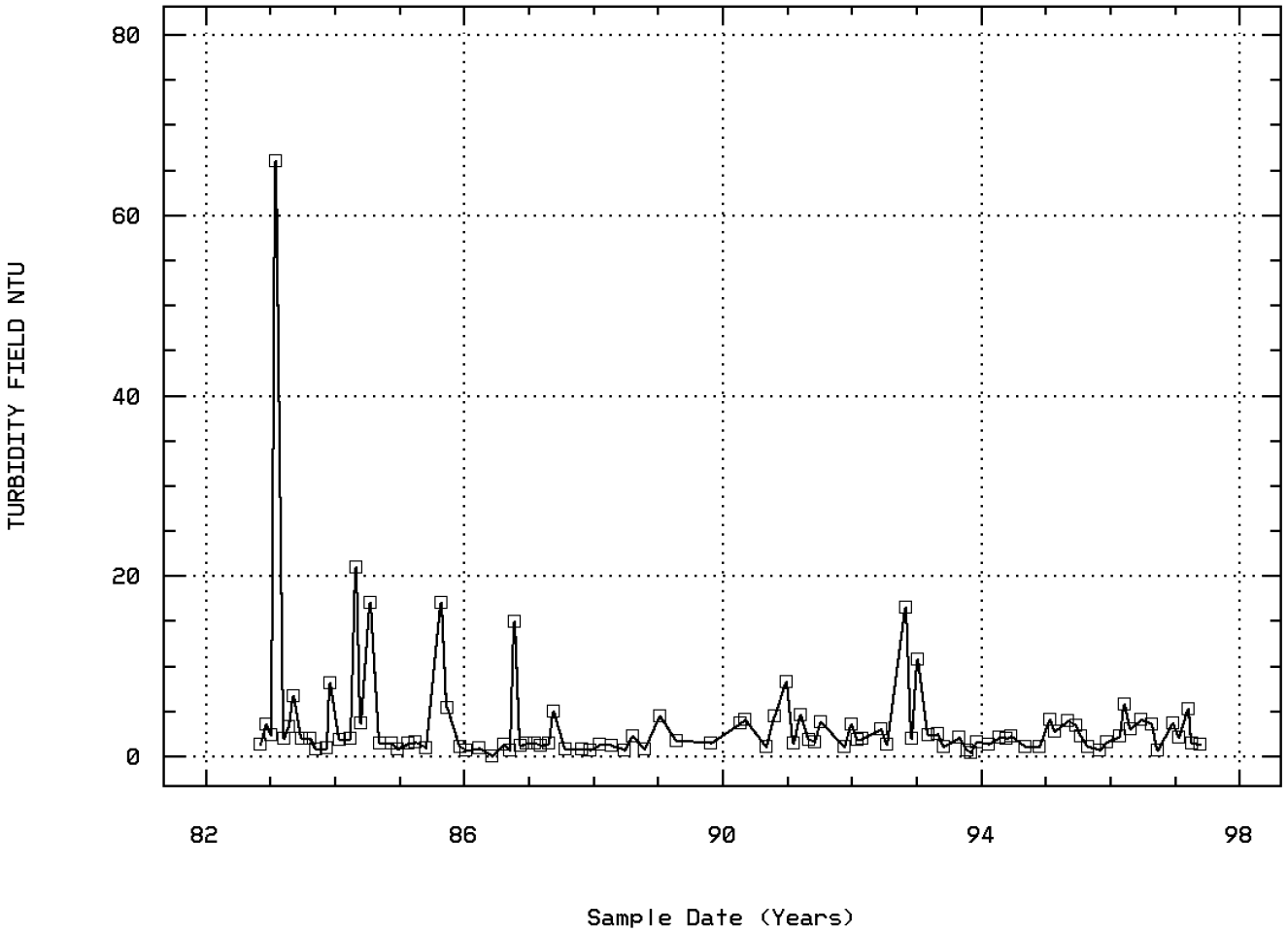
EMORY RIVER AT NEMO BRIDGE



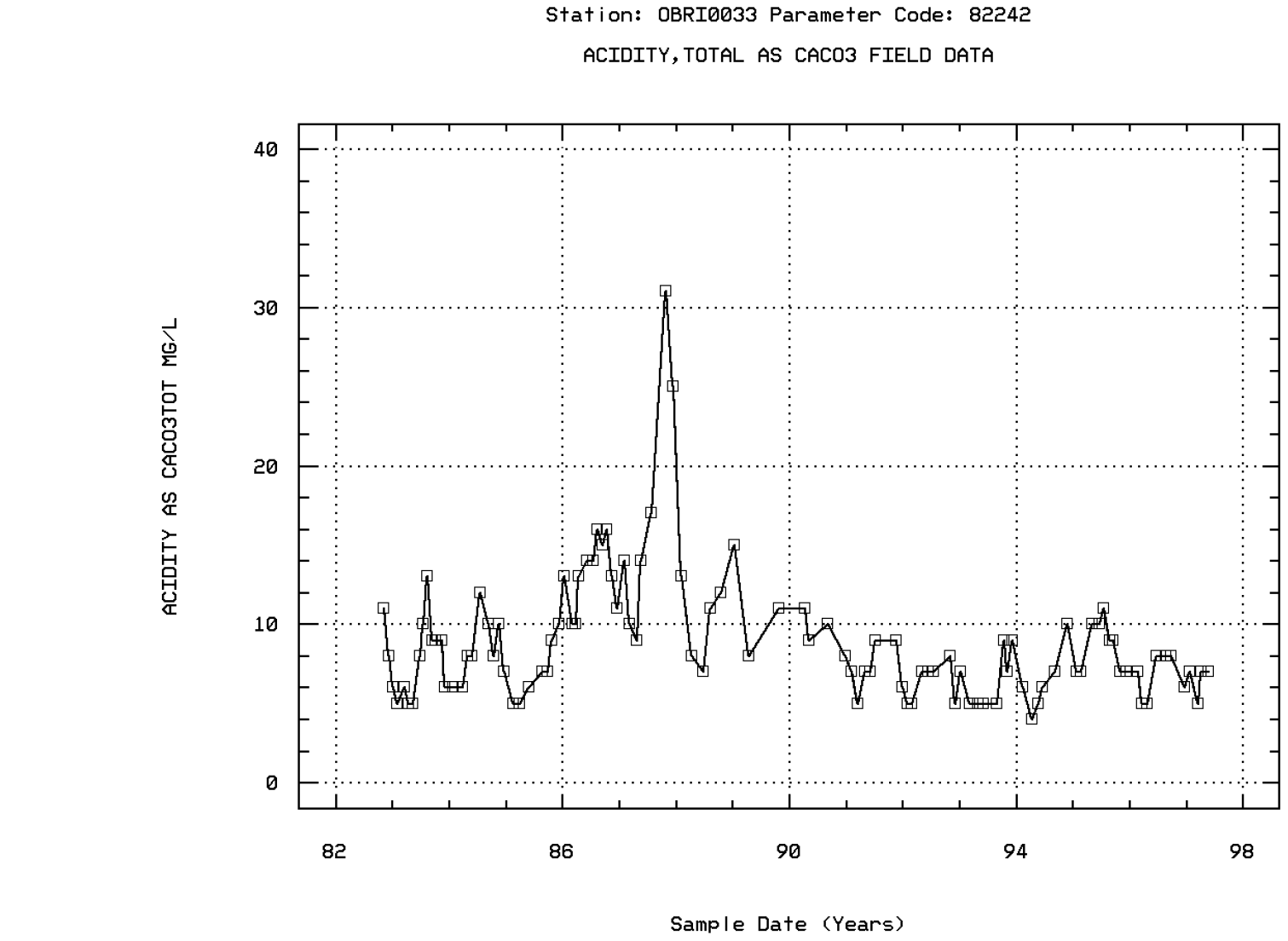
EMORY RIVER AT NEMO BRIDGE

Station: OBRI0033 Parameter Code: 82078

TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY



EMORY RIVER AT NEMO BRIDGE



EMORY RIVER AT NEMO BRIDGE

Annual Analysis for 1982 - Station OBRI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	2	9.2	9.2	10.4	8.	2.88	1.697	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	2	59.	59.	80.	38.	882.	29.698	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	2	6.35	6.35	6.5	6.2	0.045	0.212	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	2	6.325	6.325	6.5	6.2	0.046	0.215	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	2	0.474	0.474	0.631	0.316	0.05	0.223	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	2	14.	14.	19.	9.	50.	7.071	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	2	22.5	22.5	29.	16.	84.5	9.192	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	1	10.	10.	10.	10.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	2	2.4	2.4	3.5	1.3	2.42	1.556	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	2	9.5	9.5	11.	8.	4.5	2.121	**	**	**	**

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

Annual Analysis for 1983 - Station OBRI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	12	13.	15.45	27.5	5.8	61.425	7.837	6.07	8.325	23.325	26.66
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	12	61.	72.167	140.	39.	1198.697	34.622	39.9	42.25	93.75	134.6
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	11	7.	6.827	7.4	6.	0.216	0.465	6.04	6.4	7.1	7.4
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	11	7.	6.588	7.4	6.	0.279	0.528	6.04	6.4	7.1	7.4
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	11	0.1	0.258	1.	0.04	0.094	0.306	0.04	0.079	0.398	0.926
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	12	13.	17.333	39.	7.	124.061	11.138	7.3	8.	27.75	36.3
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	12	21.	24.667	52.	14.	130.97	11.444	14.3	16.25	30.	47.8
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	6.	6.111	10.	4.	4.361	2.088	4.	4.	7.5	10.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	12 ##	5.	7.667	16.	5.	17.879	4.228	5.	5.	10.75	15.7
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	10 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	12 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	12	2.	8.017	66.	0.8	338.854	18.408	0.83	1.	5.85	48.63
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	12	7.	7.583	13.	5.	6.265	2.503	5.	5.25	9.	12.1

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

Annual Analysis for 1984 - Station OBRI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	9	14.4	13.878	22.1	3.3	44.352	6.66	3.3	8.1	20.35	22.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	9	55.	63.889	117.	45.	604.611	24.589	45.	46.5	78.	117.
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	9	6.6	6.689	7.1	6.1	0.114	0.337	6.1	6.45	7.	7.1
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	9	6.6	6.57	7.1	6.1	0.129	0.36	6.1	6.45	7.	7.1
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	9	0.251	0.269	0.794	0.079	0.051	0.226	0.079	0.103	0.357	0.794
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	11.	15.111	33.	8.	75.361	8.681	8.	9.	21.	33.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	19.	21.444	39.	16.	62.528	7.907	16.	16.	25.	39.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	4.	6.333	25.	3.	50.25	7.089	3.	3.	5.5	25.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	9 ##	5.	5.556	10.	5.	2.778	1.667	5.	5.	5.	10.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	9 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	9 ##	0.1	0.128	0.35	0.1	0.007	0.083	0.1	0.1	0.1	0.35
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	9	1.9	5.578	21.	0.8	59.607	7.721	0.8	1.2	10.35	21.
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	9	8.	8.333	12.	6.	4.	2.	6.	6.5	10.	12.

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

Annual Analysis for 1985 - Station OBRI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	16.7	14.286	21.1	3.6	39.995	6.324	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	58.	61.429	78.	50.	148.619	12.191	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	6	7.	7.017	7.1	6.9	0.006	0.075	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	6	7.	7.011	7.1	6.9	0.006	0.076	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	6	0.1	0.097	0.126	0.079	0.	0.017	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	13.	13.714	21.	8.	22.571	4.751	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	20.	20.714	26.	16.	15.905	3.988	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	5.	4.714	7.	3.	2.238	1.496	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	1.4	4.057	17.	0.9	35.08	5.923	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	7.	7.	10.	5.	3.667	1.915	**	**	**	**

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

Annual Analysis for 1986 - Station OBRI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	11	14.3	14.064	25.8	0.2	75.387	8.683	1.02	6.2	22.3	25.78
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	11	60.	70.182	112.	45.	503.764	22.445	45.2	52.	90.	109.6
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	9	6.7	6.7	7.2	6.	0.145	0.381	6.	6.4	7.	7.2
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	9	6.7	6.541	7.2	6.	0.173	0.416	6.	6.4	7.	7.2
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	9	0.2	0.288	1.	0.063	0.087	0.294	0.063	0.103	0.398	1.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	11	13.	15.818	27.	8.	48.364	6.954	8.2	11.	23.	26.6
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	11	22.	24.545	37.	16.	46.873	6.846	16.4	19.	30.	36.4
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	11	6.	6.636	10.	4.	3.055	1.748	4.2	6.	8.	9.8
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	11 ##	5.	6.818	15.	5.	16.364	4.045	5.	5.	5.	15.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	11 ##	250.	272.727	500.	250.	5681.818	75.378	250.	250.	250.	450.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	11 ##	0.1	0.166	0.55	0.1	0.023	0.152	0.1	0.1	0.1	0.516
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	11	1.	2.191	15.	0.	18.211	4.267	0.12	0.6	1.3	12.3
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	11	13.	13.182	16.	10.	4.564	2.136	10.	11.	15.	16.

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

Annual Analysis for 1987 - Station OBRI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	11.8	14.243	28.	4.8	86.016	9.274	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	55.	63.	107.	43.	526.	22.935	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	7	7.	7.029	7.3	6.7	0.049	0.221	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	7	7.	6.979	7.3	6.7	0.052	0.228	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	7	0.1	0.105	0.2	0.05	0.003	0.055	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	18.	17.	26.	10.	40.667	6.377	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	24.	28.143	47.	18.	100.143	10.007	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	6.	6.857	10.	4.	5.81	2.41	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	1.2	1.614	5.	0.6	2.341	1.53	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	14.	17.143	31.	9.	65.143	8.071	**	**	**	**

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Annual Analysis for 1988 - Station OBRI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	5	12.3	16.6	27.4	5.	95.525	9.774	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	4	66.	69.25	95.	50.	482.25	21.96	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	5	7.1	7.02	7.1	6.9	0.012	0.11	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	5	7.1	7.009	7.1	6.9	0.012	0.11	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	5	0.079	0.098	0.126	0.079	0.001	0.025	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	5	19.	18.8	25.	11.	31.2	5.586	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	5	27.	33.6	64.	22.	300.3	17.329	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	4	9.	9.	10.	8.	0.667	0.816	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	5 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	5	1.2	1.24	2.2	0.7	0.353	0.594	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	5	11.	10.2	13.	7.	6.7	2.588	**	**	**	**

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Annual Analysis for 1989 - Station OBRI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	4	10.75	12.825	23.4	6.4	53.989	7.348	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	4	51.	54.25	70.	45.	118.917	10.905	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	4	7.	6.975	7.2	6.7	0.049	0.222	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	4	6.989	6.932	7.2	6.7	0.052	0.227	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	4	0.103	0.117	0.2	0.063	0.004	0.061	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	3	16.	19.	25.	16.	27.	5.196	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	3	21.	23.	28.	20.	19.	4.359	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	3	7.	7.	8.	6.	1.	1.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	3 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	3	1.7	2.533	4.5	1.4	2.923	1.71	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	3	11.	11.333	15.	8.	12.333	3.512	**	**	**	**

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Annual Analysis for 1990 - Station OBRI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	5	13.4	13.68	26.4	5.	64.197	8.012	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	5	30.	52.	95.	25.	1082.5	32.901	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	5	6.9	6.92	7.3	6.7	0.052	0.228	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	5	6.9	6.879	7.3	6.7	0.054	0.232	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	5	0.126	0.132	0.2	0.05	0.003	0.055	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	17.	19.25	30.	13.	57.583	7.588	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	18.	23.5	42.	16.	153.	12.369	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	4	9.5	9.25	11.	7.	2.917	1.708	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	4 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	5	4.1	4.32	8.2	1.1	6.472	2.544	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	4	9.5	9.5	11.	8.	1.667	1.291	**	**	**	**

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Annual Analysis for 1991 - Station OBRI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	6	9.75	13.517	26.5	3.9	100.786	10.039	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	47.5	58.333	120.	30.	1306.667	36.148	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	4	7.	6.95	7.5	6.3	0.25	0.5	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	4	6.989	6.734	7.5	6.3	0.312	0.559	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	4	0.103	0.185	0.501	0.032	0.046	0.215	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	14.	21.429	51.	13.	191.286	13.831	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	22.	25.143	50.	17.	131.476	11.466	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	4.	4.857	11.	3.	7.81	2.795	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	6 ##	5.	6.667	15.	5.	16.667	4.082	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	6 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	6 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	1.8	2.557	4.6	1.1	1.89	1.375	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	7.	7.143	9.	5.	2.143	1.464	**	**	**	**

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Annual Analysis for 1992 - Station OBRI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	8	13.45	13.525	25.9	5.3	52.245	7.228	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	8	37.5	38.125	55.	30.	78.125	8.839	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	7	7.4	7.286	7.7	7.	0.081	0.285	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	7	7.4	7.21	7.7	7.	0.088	0.297	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	7	0.04	0.062	0.1	0.02	0.001	0.037	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	16.	15.714	20.	13.	4.905	2.215	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	20.	19.286	21.	17.	2.571	1.604	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	3.	3.857	6.	3.	1.476	1.215	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.114	0.2	0.1	0.001	0.038	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	2.	3.957	16.5	1.	30.99	5.567	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	7.	6.286	8.	5.	1.571	1.254	**	**	**	**

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Annual Analysis for 1993 - Station OBRI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	8	10.65	13.025	22.3	6.8	33.031	5.747	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	8	67.5	66.875	110.	30.	1178.125	34.324	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	7	7.1	7.143	7.5	6.9	0.053	0.23	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	7	7.1	7.095	7.5	6.9	0.056	0.236	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	7	0.079	0.08	0.126	0.032	0.001	0.038	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	8	17.	25.	45.	11.	247.429	15.73	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	8	30.	29.5	45.	16.	127.429	11.288	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	8	3.	4.25	9.	2.	7.357	2.712	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	8 ##	9.	11.25	22.	5.	53.929	7.344	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	8 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	8 ##	0.1	0.116	0.23	0.1	0.002	0.046	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	8	1.85	2.7	10.8	0.4	11.309	3.363	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	8	6.	6.5	9.	5.	3.143	1.773	**	**	**	**

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Annual Analysis for 1994 - Station OBRI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	6	13.6	14.617	23.2	5.1	43.078	6.563	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	57.5	64.167	120.	30.	1034.167	32.158	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	6	7.15	7.117	7.3	6.9	0.042	0.204	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	6	7.125	7.077	7.3	6.9	0.044	0.209	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	6	0.075	0.084	0.126	0.05	0.001	0.038	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	12.	18.833	43.	10.	176.967	13.303	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	30.5	32.667	58.	17.	302.667	17.397	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	6	3.	3.167	4.	3.	0.167	0.408	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	6 ##	5.	8.833	18.	5.	36.167	6.014	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	6 ##	250.	212.5	250.	25.	8437.5	91.856	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	6 ##	0.1	0.122	0.23	0.1	0.003	0.053	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	6	1.65	1.65	2.3	1.1	0.295	0.543	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	6	6.	6.333	10.	4.	4.267	2.066	**	**	**	**

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

Annual Analysis for 1995 - Station OBRI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	9	15.7	15.467	27.7	1.3	88.013	9.381	1.3	7.05	24.95	27.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	9	80.	86.333	150.	51.	709.5	26.636	51.	75.	90.5	150.
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	9	7.6	7.578	8.	7.	0.114	0.338	7.	7.3	7.85	8.
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	9	7.6	7.45	8.	7.	0.133	0.365	7.	7.3	7.85	8.
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	9	0.025	0.036	0.1	0.01	0.001	0.032	0.01	0.014	0.056	0.1
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	28.	26.556	36.	14.	39.278	6.267	14.	23.	30.5	36.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	51.	46.	60.	20.	156.5	12.51	20.	37.	54.5	60.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	3.	3.078	7.	0.7	3.279	1.811	0.7	2.	4.	7.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	9	13.	14.111	19.	11.	8.611	2.934	11.	11.5	16.5	19.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	9 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	9 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	9	2.2	2.322	4.1	0.7	1.722	1.312	0.7	1.05	3.7	4.1
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	9	9.	8.556	11.	7.	2.528	1.59	7.	7.	10.	11.

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

Annual Analysis for 1996 - Station OBRI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	13.9	14.986	25.1	6.6	62.475	7.904	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	51.	57.286	81.	45.	237.238	15.403	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	7	6.9	6.814	7.3	6.3	0.128	0.358	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	7	6.9	6.692	7.3	6.3	0.146	0.382	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	7	0.126	0.203	0.501	0.05	0.027	0.163	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	14.	15.571	25.	11.	20.619	4.541	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	21.	25.429	57.	18.	198.286	14.081	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	5.	4.714	6.	4.	0.571	0.756	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7	12.	12.286	14.	10.	2.238	1.496	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	3.6	3.3	5.8	0.7	2.533	1.592	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	7.	6.714	8.	5.	1.905	1.38	**	**	**	**

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

Annual Analysis for 1997 - Station OBRI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	4	12.55	11.475	18.4	2.4	55.689	7.463	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	4	48.5	48.75	53.	45.	10.917	3.304	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	4	7.05	7.075	7.6	6.6	0.209	0.457	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	4	6.982	6.916	7.6	6.6	0.243	0.493	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	4	0.104	0.121	0.251	0.025	0.011	0.104	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	13.5	13.25	16.	10.	10.25	3.202	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	17.5	17.75	19.	17.	0.917	0.957	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	4	4.5	4.25	5.	3.	0.917	0.957	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	4 ##	8.	8.	11.	5.	12.	3.464	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	4 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	4 ##	0.1	0.125	0.2	0.1	0.003	0.05	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	4	1.8	2.525	5.2	1.3	3.296	1.815	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	4	7.	6.5	7.	5.	1.	1.	**	**	**	**

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station OBRI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	25	23.4	23.384	27.7	16.7	9.289	3.048	18.4	21.5	25.85	27.08
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	25	81.	87.6	150.	55.	493.667	22.219	61.6	75.	95.	123.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	24	7.8	7.967	11.4	6.6	1.088	1.043	6.95	7.225	8.2	9.4
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	21	7.	7.071	8.	6.1	0.202	0.45	6.4	6.9	7.3	7.78
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	21	7.	6.846	8.	6.1	0.255	0.505	6.4	6.9	7.3	7.78
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	21	0.1	0.142	0.794	0.01	0.033	0.182	0.017	0.05	0.126	0.398
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	24	24.	24.083	39.	13.	31.645	5.625	15.5	20.25	27.75	30.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	24	30.5	35.583	64.	20.	179.993	13.416	20.	25.25	49.	56.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	23	5.	5.639	11.	0.7	8.277	2.877	2.4	3.	8.	10.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	23 ##	5.	8.043	19.	5.	24.043	4.903	5.	5.	13.	16.6
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	23 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	15	12.	58.467	560.	0.	20575.695	143.442	0.	0.	35.	308.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	15	1.079	0.984	2.748	0.	0.756	0.869	0.	0.	1.544	2.387
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.645								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	15	120.	2929.	29000.	0.	54896307.857	7409.204	24.	50.	2400.	14720.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	15	2.079	2.396	4.462	0.	1.259	1.122	0.961	1.699	3.38	4.015
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			248.687								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	22 ##	0.1	0.124	0.38	0.1	0.006	0.078	0.1	0.1	0.1	0.275
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	24	1.3	3.521	17.	0.6	25.88	5.087	0.75	1.	3.25	16.
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	24	9.5	10.375	17.	5.	10.766	3.281	7.	8.	12.75	16.

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

Seasonal Analysis for Season #2: 10/15 to 3/14 - Station OBRI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	48	7.05	8.017	18.8	0.2	15.934	3.992	3.57	5.35	10.4	13.13
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	48	52.	60.146	122.	25.	744.893	27.293	30.	42.25	79.5	110.7
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	47	11.3	11.157	13.6	8.6	1.283	1.133	9.48	10.3	11.9	12.46
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	44	7.	6.968	7.9	6.	0.149	0.386	6.5	6.725	7.1	7.5
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	44	7.	6.79	7.9	6.	0.182	0.426	6.5	6.725	7.1	7.5
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	44	0.1	0.162	1.	0.013	0.035	0.186	0.032	0.079	0.189	0.316
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	47	14.	18.17	51.	7.	125.492	11.202	8.	11.	23.	42.2
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	47	20.	25.936	60.	16.	137.105	11.709	16.	17.	31.	45.4
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	43	5.	5.581	11.	2.	5.106	2.26	3.	4.	7.	9.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	46 ##	5.	8.304	22.	5.	24.839	4.984	5.	5.	12.25	15.3
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	43 ##	250.	255.814	500.	250.	1453.488	38.125	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	34	8.5	27.647	164.	0.	1817.266	42.629	0.	2.	26.75	106.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	34	0.929	0.953	2.215	0.	0.488	0.699	0.	0.301	1.394	2.025
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.983								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	33	52.	475.303	6480.	0.	1774810.905	1332.22	0.8	13.	210.	1641.2
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	33	1.716	1.713	3.812	0.	0.918	0.958	0.12	1.102	2.322	3.109
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			51.623								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	47 ##	0.1	0.108	0.23	0.1	0.001	0.03	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	48	1.45	3.829	66.	0.4	92.551	9.62	0.7	1.025	2.7	8.11
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	47	8.	9.191	31.	5.	23.202	4.817	5.	6.	10.	13.2

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	37	14.3	15.881	28.	8.4	29.467	5.428	9.22	11.65	19.6	25.06
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	36	46.	50.75	90.	30.	223.507	14.95	30.	43.5	59.	76.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	35	9.7	9.569	11.4	7.1	1.425	1.194	7.86	8.6	10.7	11.06

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	37	7.	6.968	7.6	6.	0.15	0.387	6.38	6.7	7.3	7.5
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	37	7.	6.784	7.6	6.	0.184	0.43	6.38	6.7	7.3	7.5
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	37	0.1	0.164	1.	0.025	0.036	0.189	0.032	0.05	0.2	0.419
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	37	13.	14.351	36.	8.	34.179	5.846	9.	10.	16.	19.8
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	37	19.	21.892	52.	14.	73.655	8.582	16.	17.	22.5	32.4
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	36	4.	5.056	25.	2.	15.654	3.957	2.7	3.	5.	9.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	37 ##	5.	6.838	16.	5.	10.473	3.236	5.	5.	10.	12.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	37 ##	250.	243.919	250.	25.	1368.243	36.99	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	30	10.	25.933	131.	0.	1129.444	33.607	0.	3.75	37.75	83.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	30	1.	1.019	2.117	0.	0.436	0.66	0.	0.571	1.574	1.921
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.451								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	27	40.	534.222	9600.	1.	3366066.795	1834.684	1.8	13.	260.	965.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	27	1.602	1.736	3.982	0.	0.948	0.974	0.241	1.114	2.415	2.982
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			54.454								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	37 ##	0.1	0.115	0.55	0.1	0.006	0.075	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	37	2.	3.062	21.	0.	11.65	3.413	0.9	1.4	3.85	5.32
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	37	7.	7.432	14.	4.	6.586	2.566	5.	5.	8.5	11.4

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

Station Inventory for Station: OBRI0034

NPS Station ID: OBRI0034 LAT/LON: 36.068337/ -84.662781 Agency: 21TNWQ Date Created: 03/05/83
Location: ISLAND CR 2.8 D/S PANTHER CR QUAD 122SW FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ISLANDCRIS04
RMI-Indexes: 1021500 007720 00920 7930 0250 Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.40 027.50
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: CLINCH RIVER ECO Region:
RF1 Index: 06010208005 RF1 Mile Point: 3.730 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010208003500.02 RF3 Mile Point: 0.02 Distance from RF3: 0.01 On/Off RF3:
Description:
W.Q. LIBRARY FILE INDEX NO. BF0.04 CHEMICAL DATA FOR TRIBS TO ISLAND CR ARE INCLUDED IN SURVEY BUT NOT ENTERED INTO STORET DUE TO INABILITY TO ADEQUATELY DEFINE STATIONS

Parameter Inventory for Station: OBRI0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/15/79-10/15/79	1	52.	52.	52.	52.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/15/79-10/15/79	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/15/79-10/15/79	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/15/79-10/15/79	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/15/79-10/15/79	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/15/79-10/15/79	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/15/79-10/15/79	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/15/79-10/15/79	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	10/15/79-10/15/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/15/79-10/15/79	1	49.	49.	49.	49.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/15/79-10/15/79	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/15/79-10/15/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/15/79-10/15/79	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	10/15/79-10/15/79	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/15/79-10/15/79	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	10/15/79-10/15/79	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/15/79-10/15/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/15/79-10/15/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/15/79-10/15/79	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/15/79-10/15/79	1	160.	160.	160.	160.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/15/79-10/15/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/15/79-10/15/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/15/79-10/15/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/15/79-10/15/79	1	410.	410.	410.	410.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0034

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	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						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: OBRI0035

NPS Station ID: OBRI0035 LAT/LON: 36.069365/ -84.663004 Agency: 11NPSWRD Date Created: 05/09/98
Location: MOUTH OF ROCK CREEK ABOVE NEMO BRIDGE FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): OBRI_NPS_RC-1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: TENNESSEE RIVER MAIN STEM AND MINOR TRIB ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE LANCING TN-MORGAN CO 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS ON A STREAM INSIDE THE BOUNDARY OF THE OBED WILD AND SCENIC RIVER. THE SITE IS AT THE MOUTH OF ROCK CREEK UPSTREAM OF NEMO BRIDGE. THE SITE IS SAMPLED FOR PH; CONDUCTIVITY; METALS; AND COLIFORMS. THE SAMPLING WAS BEGUN TO ENSURE THAT THE WILD AND SCENIC RIVER WAS PROTECTED AND PRESERVED AS MANDATED IN THE EARLY 1980'S. THE SAMPLING WAS DONE BY PARK PERSONNEL. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES; OBED WILD AND SCENIC RIVER; P.O. BOX 429; WARTBURG TN 37887-0429 (TEL. 423-346-6294). DATA WERE 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: OBRI0035

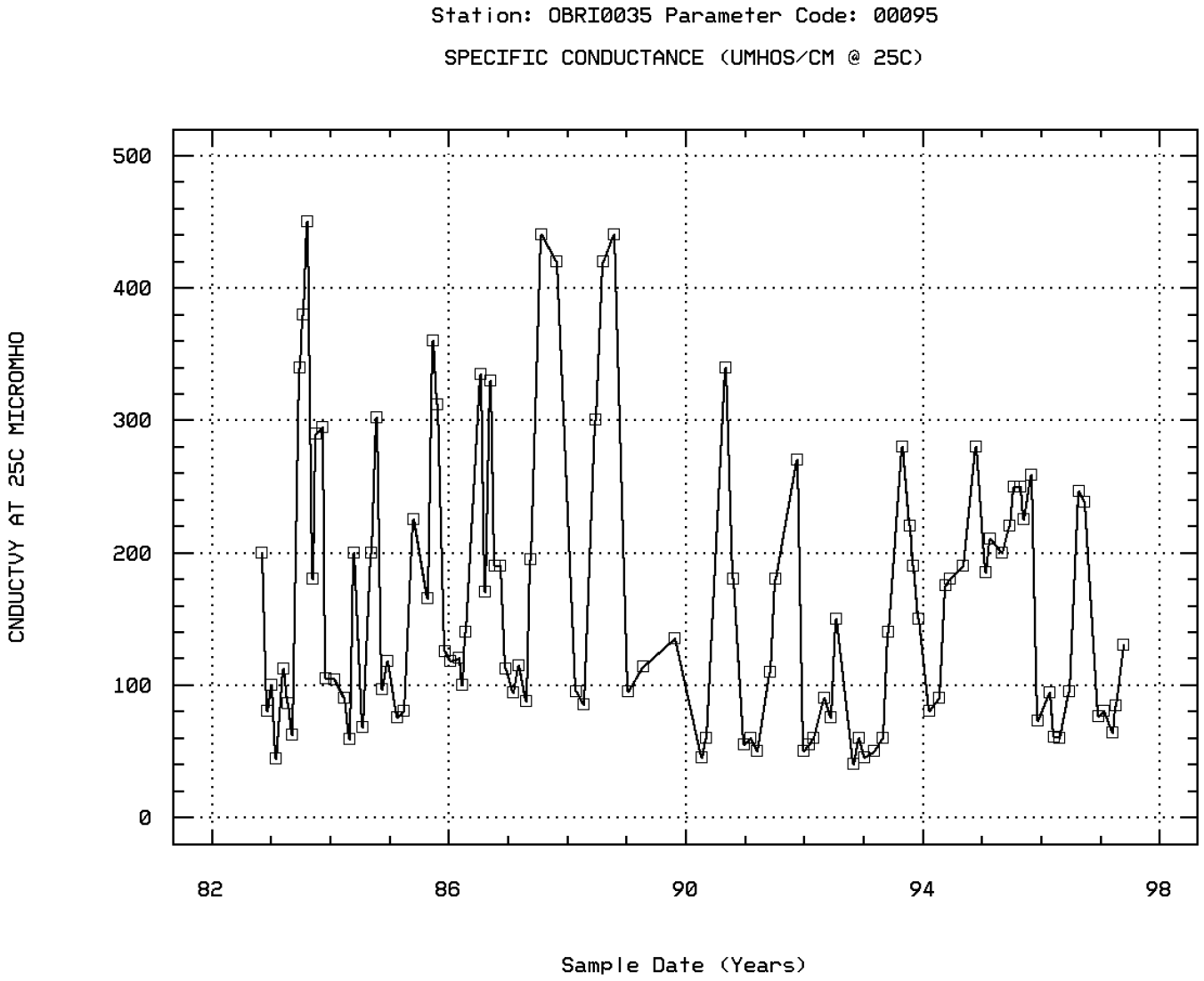
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	108	11.	11.84	24.	2.	32.376	5.69	4.5	6.925	17.275	20.33
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	106	122.5	163.255	450.	40.	11126.173	105.481	59.7	80.	221.25	331.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	104	10.6	10.276	13.3	6.4	2.297	1.516	8.1	9.05	11.3	12.25
00406p	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	99	4.4	4.49	5.8	3.3	0.31	0.557	3.8	4.1	4.8	5.2
00406p	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	99	4.4	4.197	5.8	3.3	0.396	0.63	3.8	4.1	4.8	5.2
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	99	39.811	63.5	501.187	1.585	6363.22	79.77	6.31	15.849	79.433	158.489
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	110	1.	1.654	20.	0.	5.748	2.397	0.	0.	3.	4.
00612	AMMONIA, UNIONZED (MG/L AS N)	11/01/95-05/19/97	12	0.195	0.212	0.52	0.	0.025	0.158	0.015	0.063	0.303	0.49
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	110	53.	70.764	218.	0.	2756.623	52.504	20.1	30.	106.25	154.4
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	105	3.	2.752	9.	0.	2.765	1.663	1.	2.	3.	5.
00945p	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	109	43.	50.128	94.	0.	610.706	24.712	21.	32.5	80.	80.
01055p	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	102	1230.	2003.824	7900.	250.	3133079.295	1770.051	325.	600.	3425.	4480.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	07/18/83-04/11/88	6	12.5	38.5	150.	0.	3293.5	57.389	**	**	**	**
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	07/18/83-04/11/88	6	1.088	1.138	2.176	0.	0.567	0.753	**	**	**	**
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			13.747								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/18/83-05/19/97	64	1.	5.016	72.	0.	159.127	12.615	0.	0.	5.5	14.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/18/83-05/19/97	64	0.	0.321	1.857	0.	0.252	0.502	0.	0.	0.734	1.142
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.093								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	10/29/87-05/19/97	62	11.5	17.919	216.	0.	914.272	30.237	0.	1.	24.	36.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	10/29/87-05/19/97	62	1.06	0.87	2.334	0.	0.404	0.635	0.	0.	1.38	1.556
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			7.421								
74010p	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	110	## 0.1	0.222	1.85	0.	0.054	0.232	0.1	0.1	0.27	0.449
82078p	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	109	0.9	2.67	105.	0.	107.031	10.346	0.4	0.6	1.6	3.
82242p	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	110	17.	21.264	78.	0.	171.205	13.085	9.1	12.	27.25	39.9

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

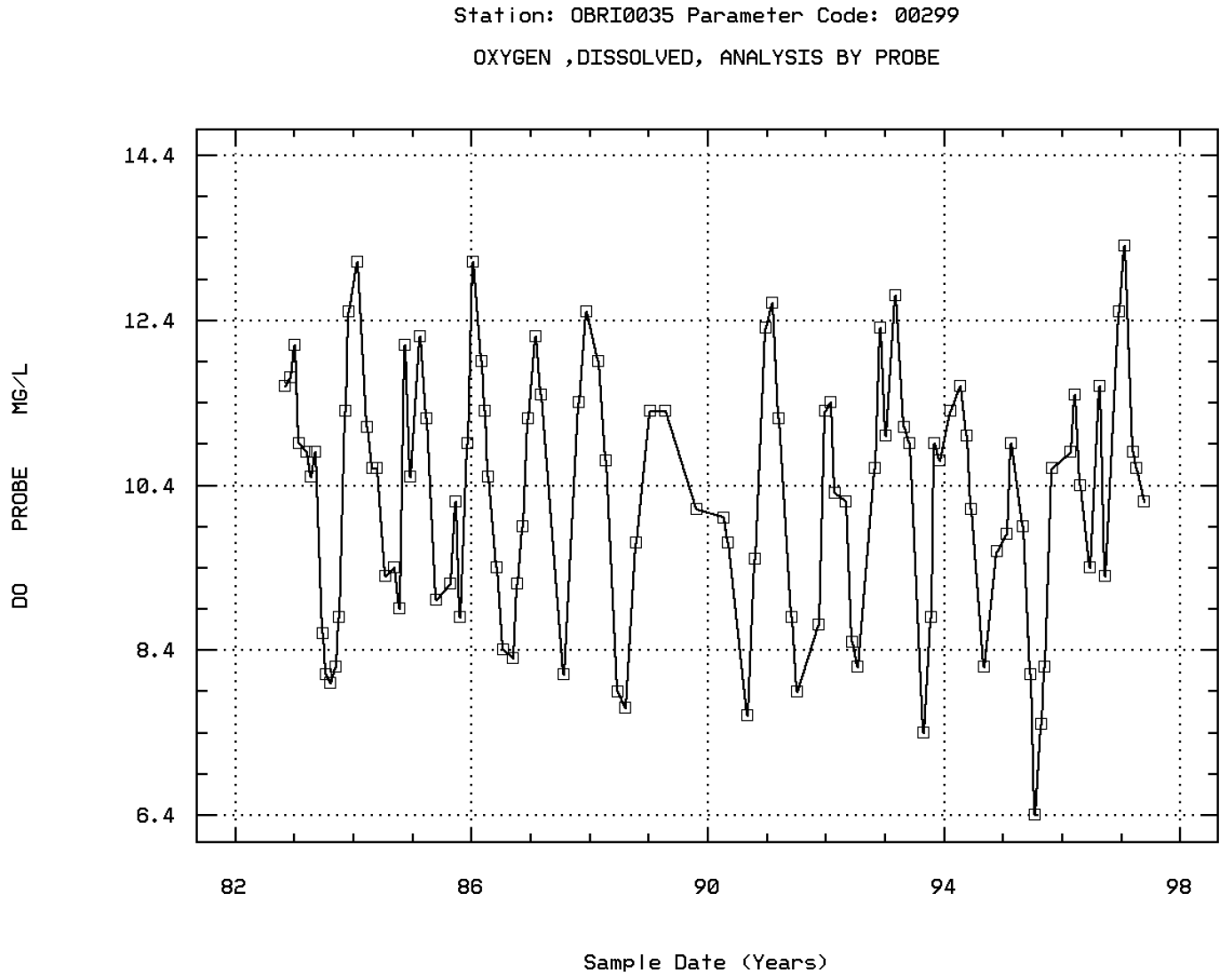
EPA Water Quality Criteria Analysis for Station: OBRI0035

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	104	0	0.00	23	0	0.00	47	0	0.00	34	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	99	0	0.00	19	0	0.00	44	0	0.00	36	0	0.00			
		Other-Lo Lim.	6.5	99	99	1.00	19	19	1.00	44	44	1.00	36	36	1.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	105	0	0.00	25	0	0.00	44	0	0.00	36	0	0.00			
		Drinking Water	250.	105	0	0.00	25	0	0.00	44	0	0.00	36	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	109	0	0.00	25	0	0.00	47	0	0.00	37	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	6	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	64	0	0.00	12	0	0.00	29	0	0.00	23	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	109	1	0.01	25	1	0.04	47	0	0.00	37	0	0.00			

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



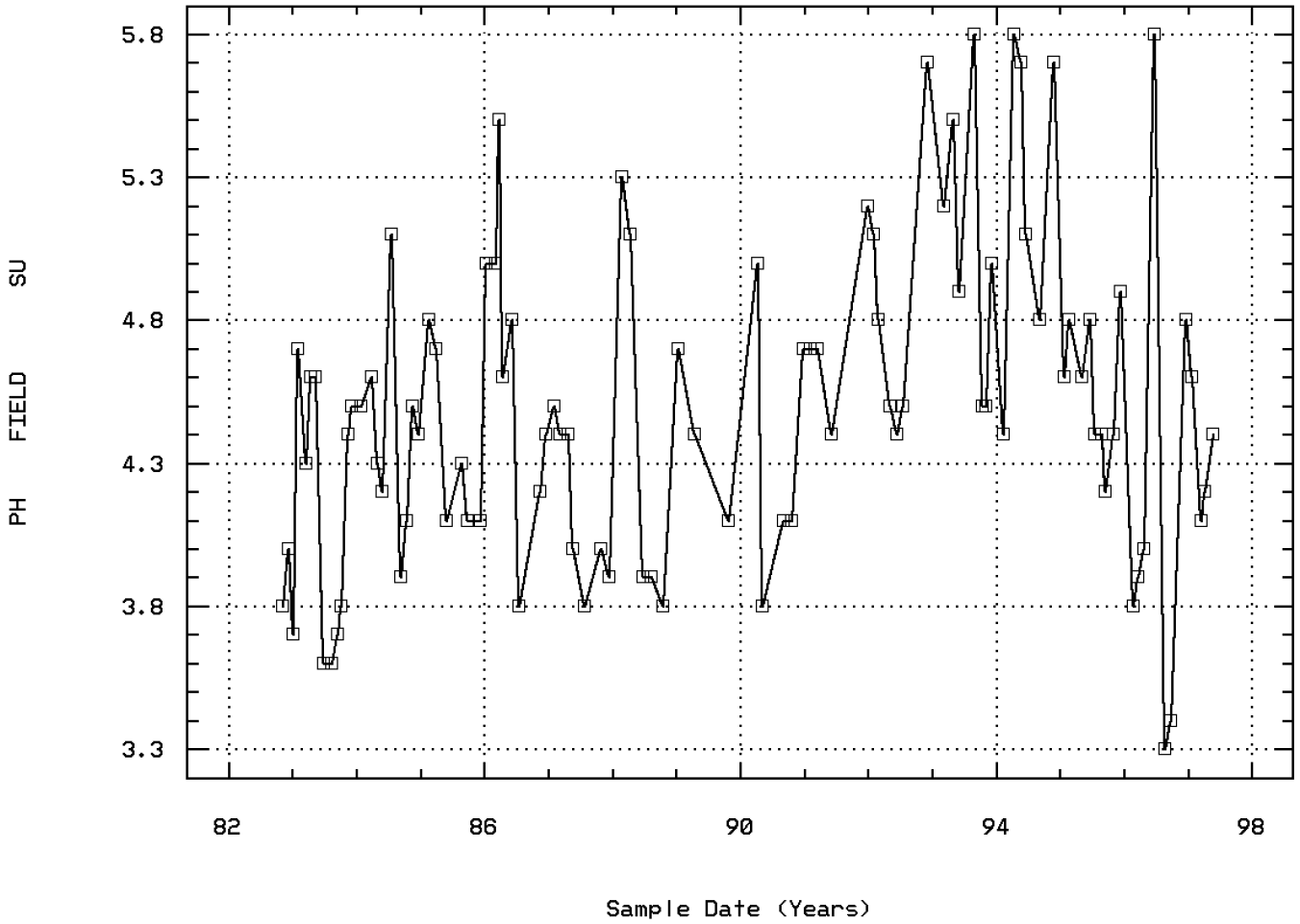
MOUTH OF ROCK CREEK ABOVE NEMO BRIDGE



MOUTH OF ROCK CREEK ABOVE NEMO BRIDGE

Station: OBRI0035 Parameter Code: 00406

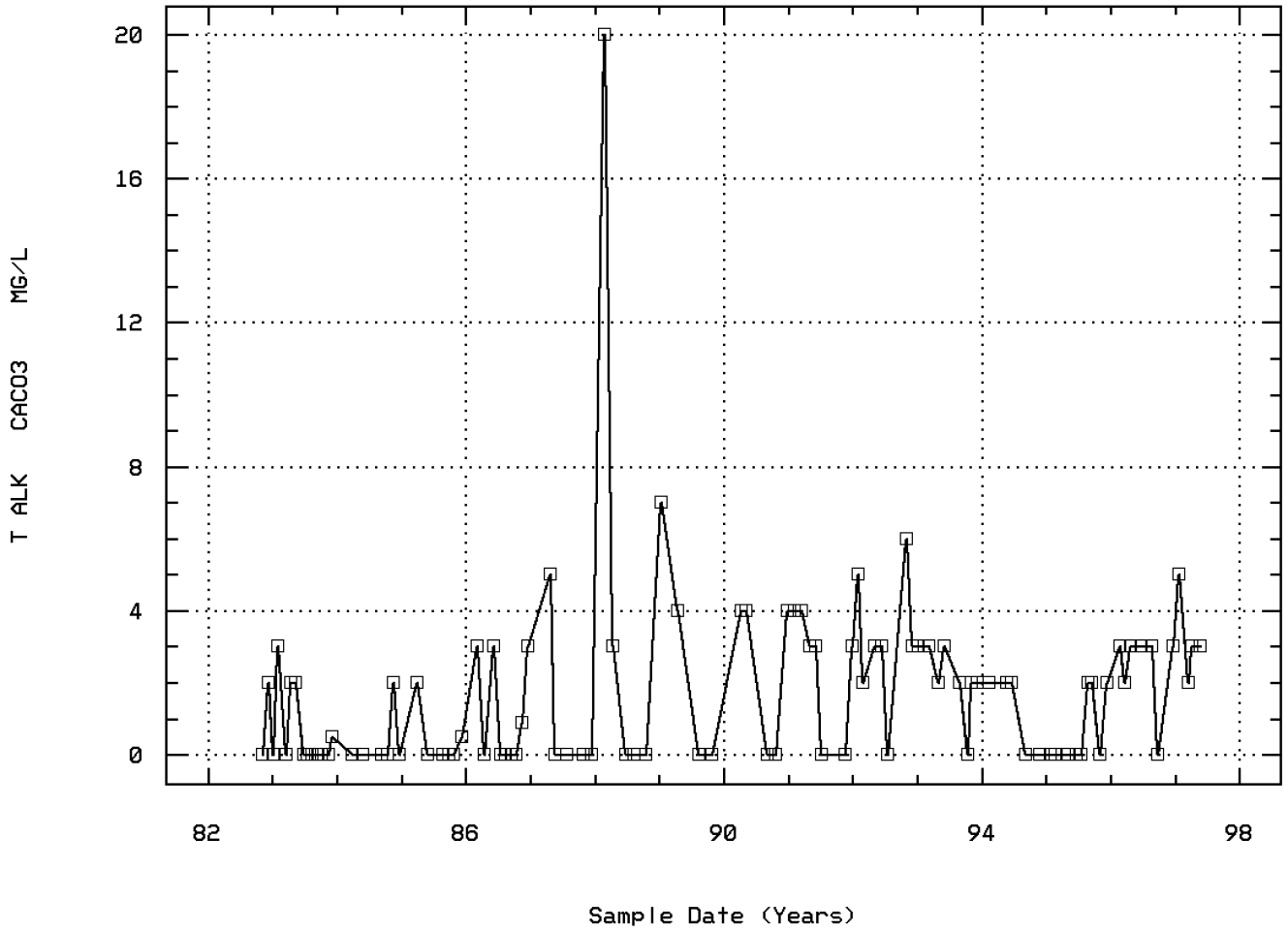
PH, FIELD, STANDARD UNITS



MOUTH OF ROCK CREEK ABOVE NEMO BRIDGE

Station: OBRI0035 Parameter Code: 00410

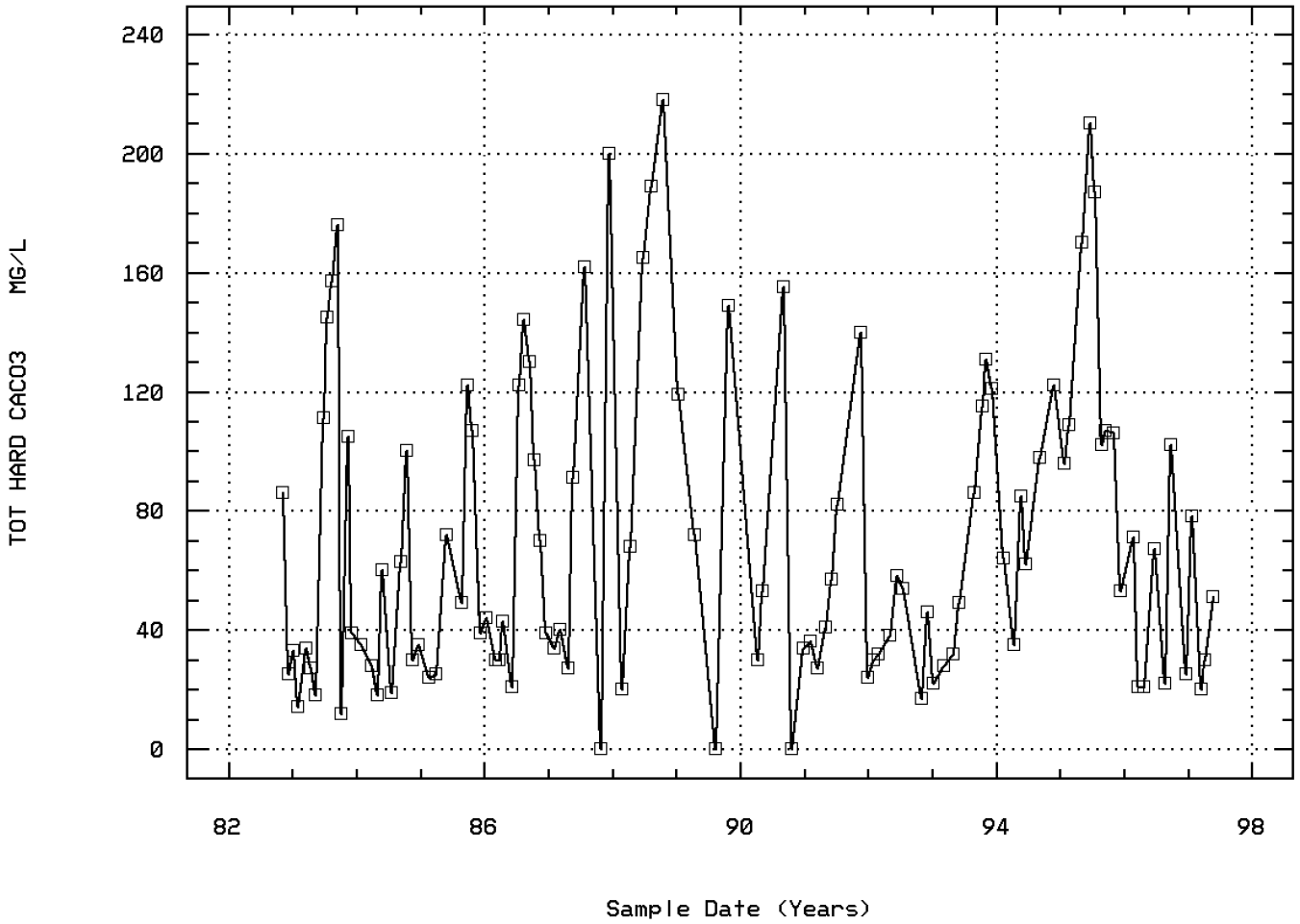
ALKALINITY, TOTAL (MG/L AS CACO3)



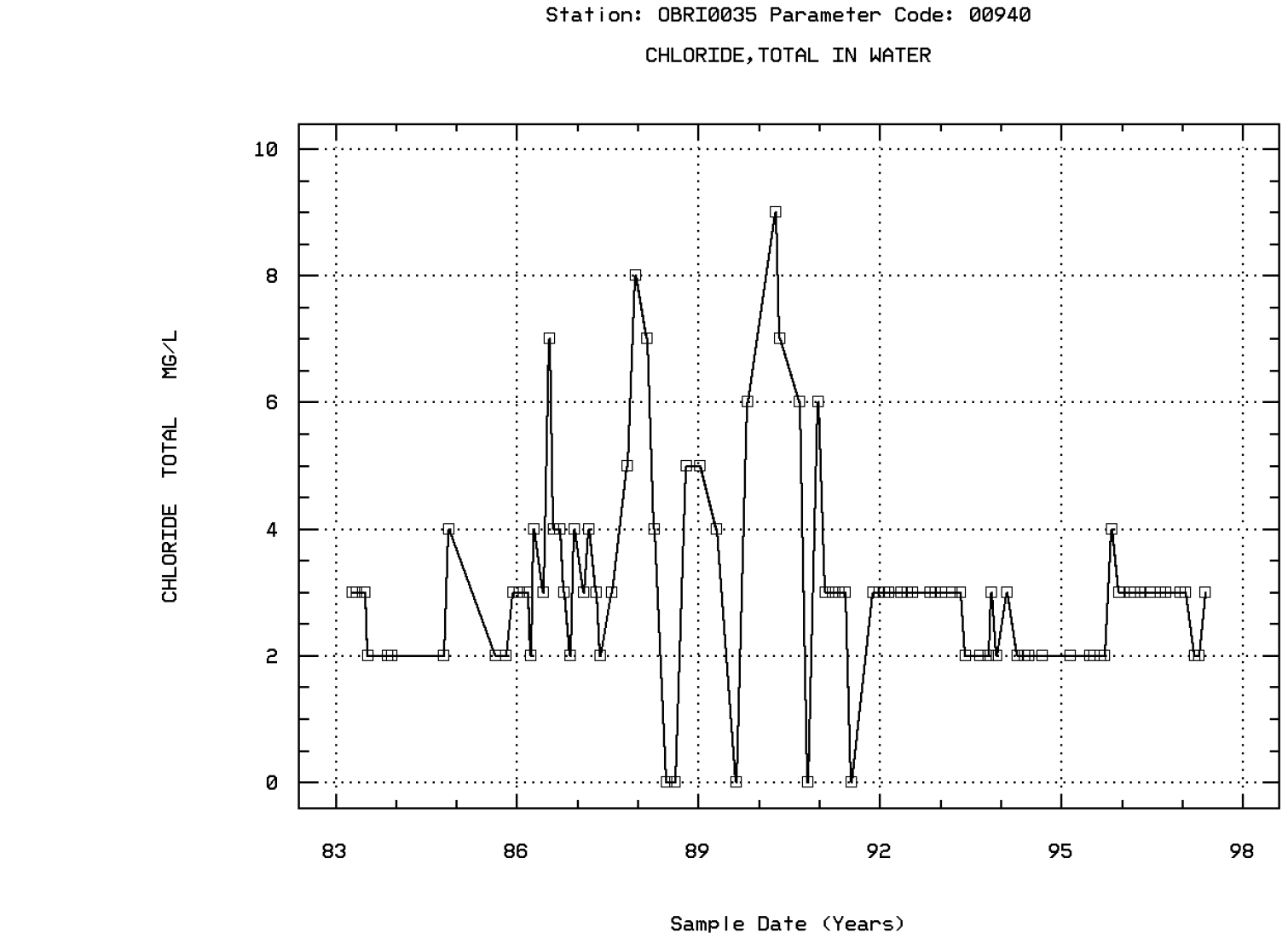
MOUTH OF ROCK CREEK ABOVE NEMO BRIDGE

Station: OBRI0035 Parameter Code: 00900

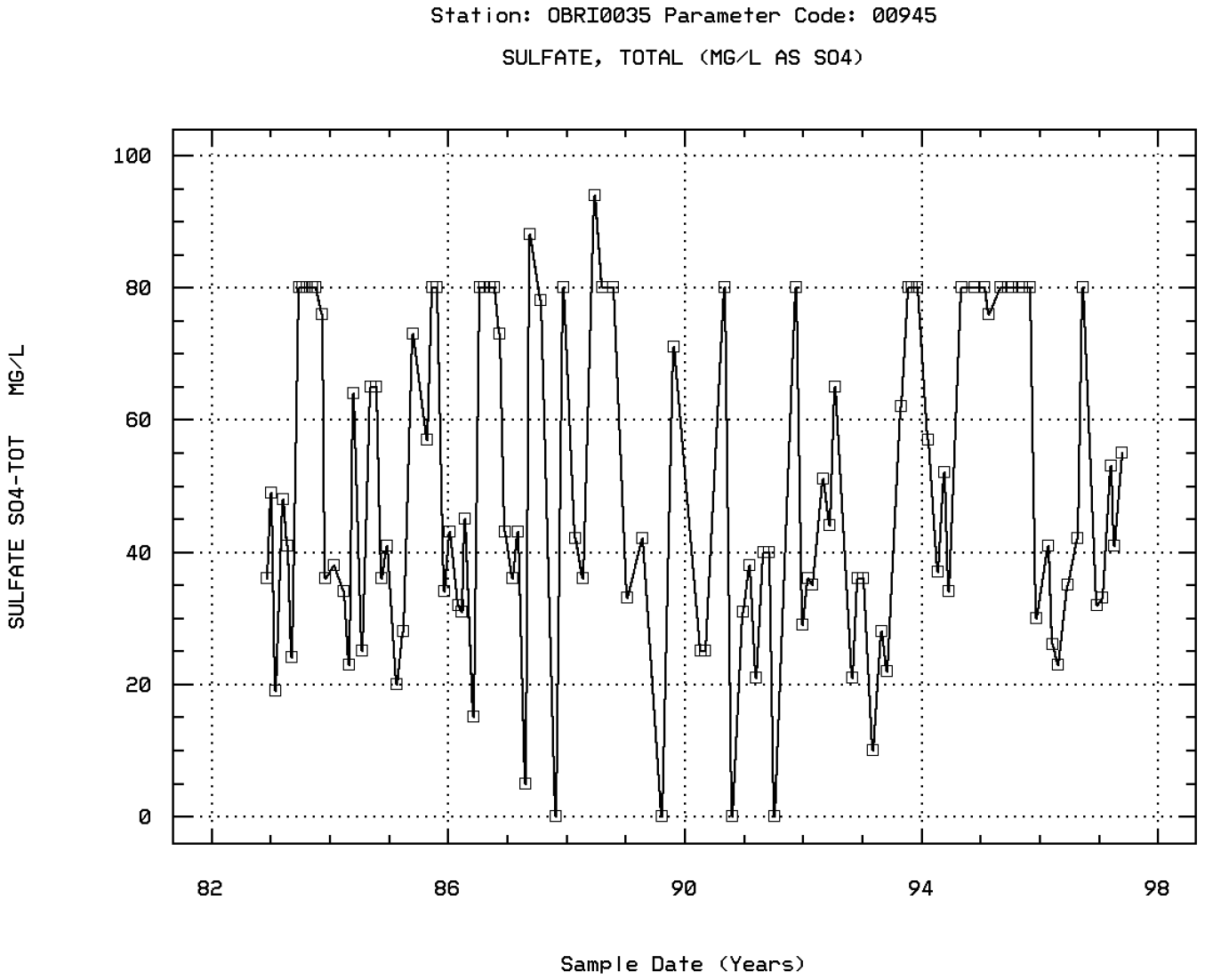
HARDNESS, TOTAL (MG/L AS CACO3)



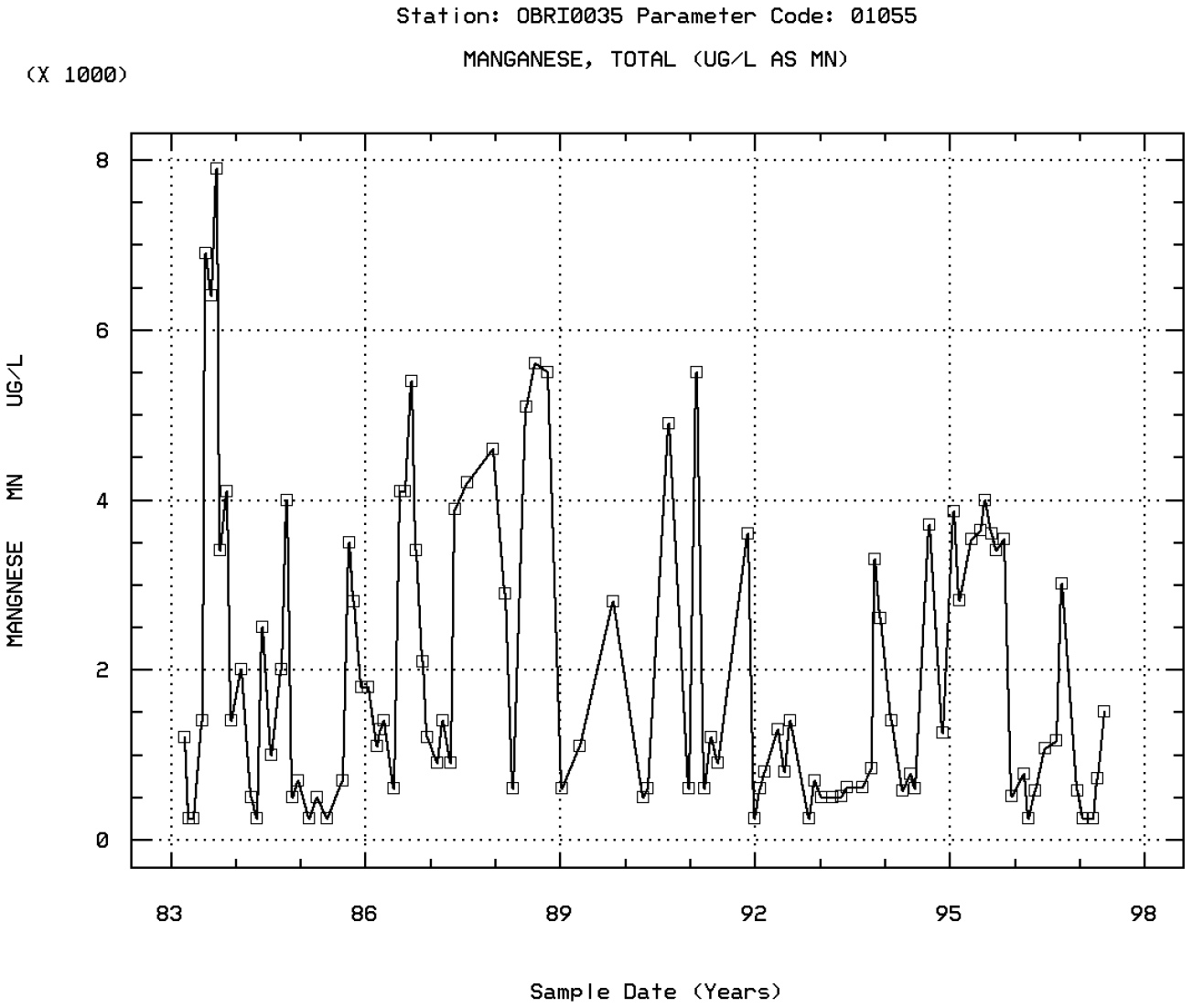
MOUTH OF ROCK CREEK ABOVE NEMO BRIDGE



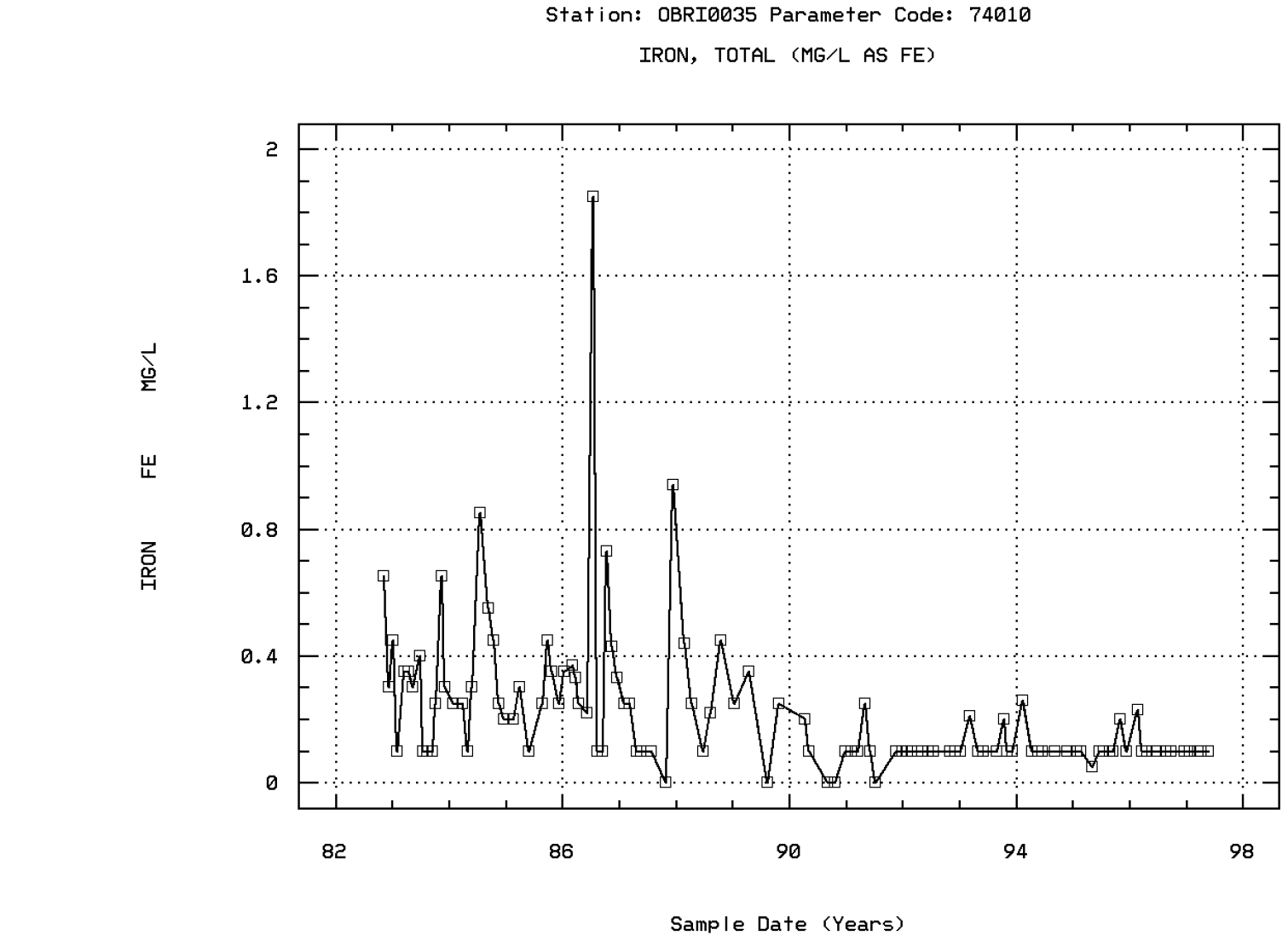
MOUTH OF ROCK CREEK ABOVE NEMO BRIDGE



MOUTH OF ROCK CREEK ABOVE NEMO BRIDGE



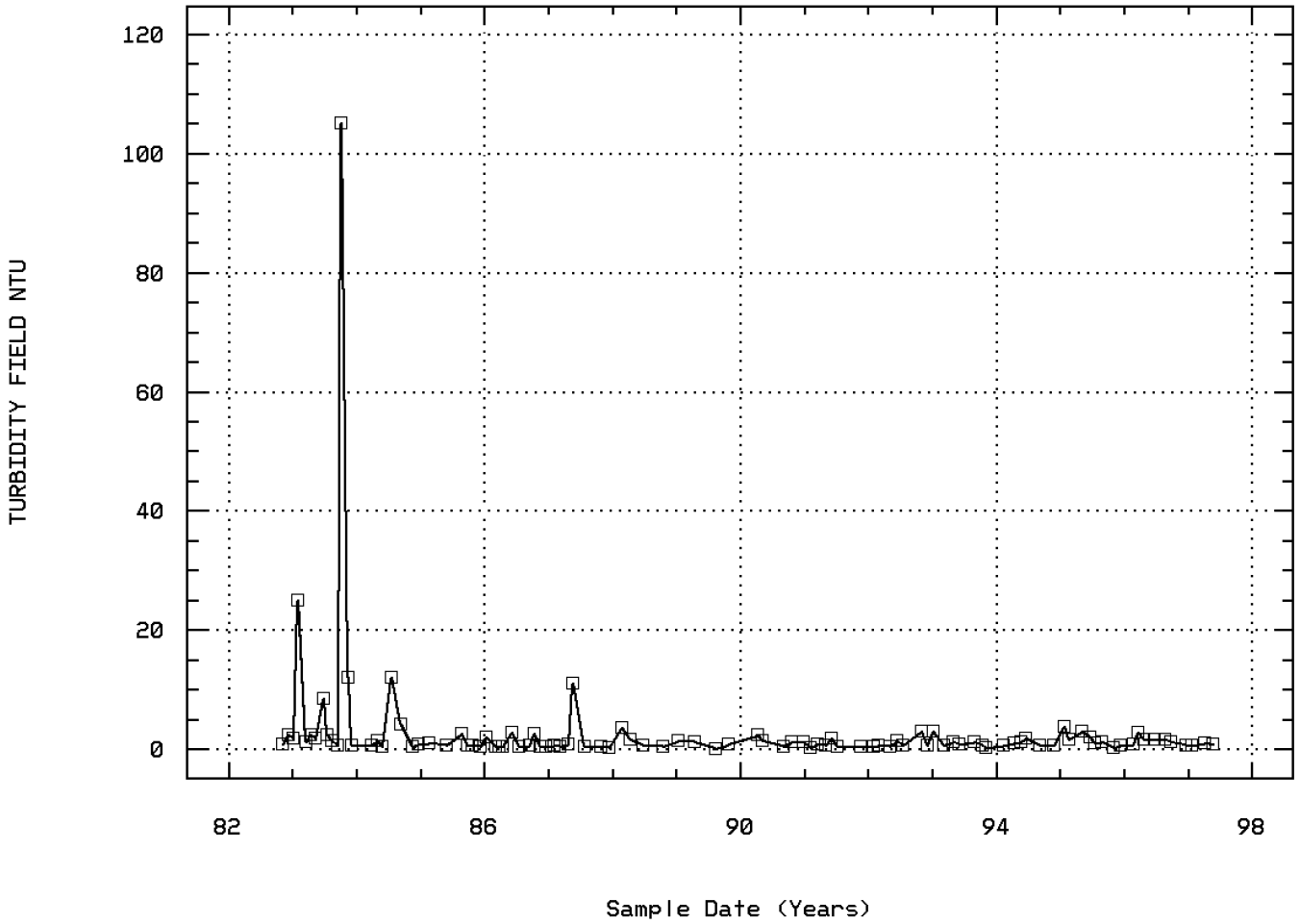
MOUTH OF ROCK CREEK ABOVE NEMO BRIDGE



MOUTH OF ROCK CREEK ABOVE NEMO BRIDGE

Station: OBRI0035 Parameter Code: 82078

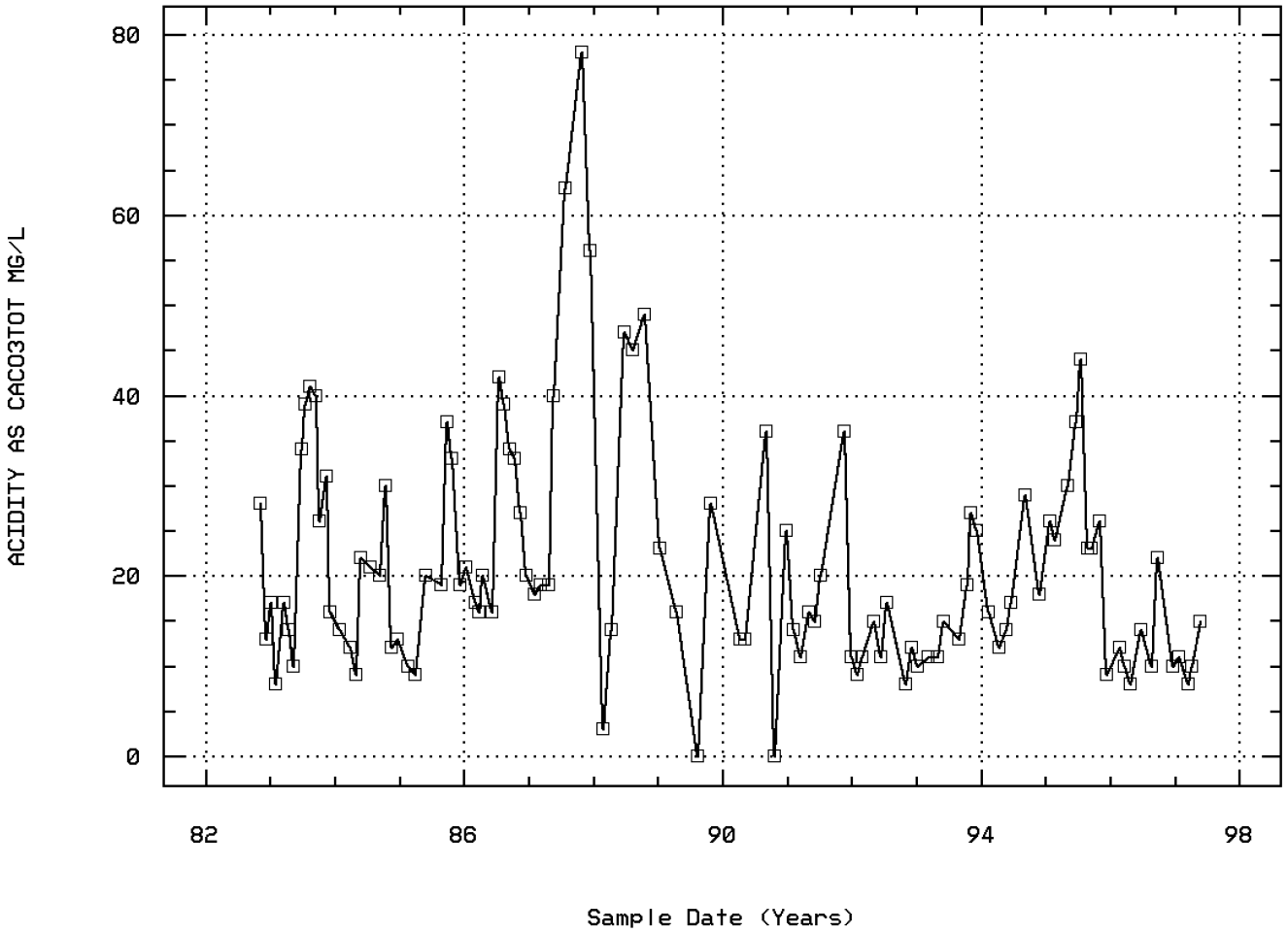
TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY



MOUTH OF ROCK CREEK ABOVE NEMO BRIDGE

Station: OBRI0035 Parameter Code: 82242

ACIDITY,TOTAL AS CACO3 FIELD DATA



MOUTH OF ROCK CREEK ABOVE NEMO BRIDGE

Annual Analysis for 1982 - Station OBRI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	2	7.85	7.85	9.8	5.9	7.605	2.758	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	2	140.	140.	200.	80.	7200.	84.853	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	2 ##	1.	1.	2.	0.	2.	1.414	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	2	55.5	55.5	86.	25.	1860.5	43.134	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	1	36.	36.	36.	36.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	2	0.475	0.475	0.65	0.3	0.061	0.247	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	2	20.5	20.5	28.	13.	112.5	10.607	**	**	**	**

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

Annual Analysis for 1983 - Station OBRI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	12	11.8	12.95	20.7	4.5	33.265	5.768	4.8	8.425	19.05	20.49
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	12	146.	203.667	450.	44.	19546.242	139.808	49.4	89.5	328.75	429.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	12 ##	0.	0.625	3.	0.	1.142	1.069	0.	0.	1.625	2.7
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	12	36.5	72.583	176.	12.	3812.265	61.744	12.6	20.25	136.5	170.3
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	2.	2.	3.	1.	0.75	0.866	1.	1.	3.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	12	62.5	57.75	80.	19.	579.477	24.072	20.5	37.25	80.	80.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	10	2400.	3320.	7900.	250.	8290111.111	2879.255	250.	962.5	6525.	7800.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	12	0.3	0.288	0.65	0.1	0.029	0.171	0.1	0.1	0.388	0.59
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	12	21.5	24.417	41.	8.	148.629	12.191	8.6	14.5	37.75	40.7

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

Annual Analysis for 1984 - Station OBRI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	9	11.3	11.589	17.8	2.	27.246	5.22	2.	7.65	16.6	17.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	9	104.	137.556	302.	59.	6408.028	80.05	59.	79.	200.	302.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9 ##	0.	0.556	2.	0.	0.528	0.726	0.	0.	1.	2.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	35.	43.111	100.	18.	707.611	26.601	18.	23.5	61.5	100.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	1.	1.444	4.	1.	1.028	1.014	1.	1.	1.5	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	9	38.	43.444	65.	23.	286.278	16.92	23.	29.5	64.5	65.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	9	1000.	1494.444	4000.	250.	1525277.778	1235.021	250.	500.	2250.	4000.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	9	0.25	0.356	0.85	0.1	0.052	0.228	0.1	0.225	0.5	0.85
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	9	14.	17.	30.	9.	44.75	6.69	9.	12.	21.5	30.

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

Annual Analysis for 1985 - Station OBRI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	12.8	12.229	17.5	3.9	24.219	4.921	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	165.	191.714	360.	75.	12527.238	111.925	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7 ##	0.	0.5	2.	0.	0.583	0.764	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	49.	62.571	122.	24.	1538.952	39.229	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	1.	1.571	3.	1.	0.619	0.787	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7	57.	53.143	80.	20.	658.143	25.654	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	7	700.	1400.	3500.	250.	1745833.333	1321.3	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7	0.25	0.271	0.45	0.1	0.012	0.111	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	19.	21.	37.	9.	112.333	10.599	**	**	**	**

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Annual Analysis for 1986 - Station OBRI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	10	12.8	13.04	21.3	3.6	36.314	6.026	3.95	7.55	18.9	21.24
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	10	155.	180.5	335.	100.	7432.278	86.211	101.2	116.5	225.	334.5
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	11	0.9	1.082	3.	0.	1.694	1.301	0.	0.	3.	3.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	11	44.	70.	144.	21.	2047.6	45.25	22.8	30.	122.	141.2
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	11	3.	3.545	7.	2.	1.873	1.368	2.	3.	4.	6.4
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	11	45.	54.727	80.	15.	591.618	24.323	18.2	32.	80.	80.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	11	1800.	2409.091	5400.	600.	2480909.091	1575.09	700.	1200.	4100.	5140.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	11	0.33	0.46	1.85	0.1	0.242	0.492	0.1	0.22	0.43	1.626
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	11	21.	25.909	42.	16.	91.691	9.576	16.	17.	34.	41.4

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Annual Analysis for 1987 - Station OBRI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	9.3	11.743	24.	2.5	75.383	8.682	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	155.	225.333	440.	88.	26635.867	163.205	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7 ##	0.	1.	5.	0.	3.333	1.826	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	40.	79.143	200.	0.	5694.143	75.46	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	3.	4.	8.	2.	4.	2.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7	43.	47.143	88.	0.	1306.81	36.15	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	6	2645.	2648.333	4600.	900.	3086016.667	1756.706	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.249	0.94	0.	0.101	0.318	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	40.	41.857	78.	18.	595.143	24.396	**	**	**	**

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Annual Analysis for 1988 - Station OBRI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	5	10.2	13.56	21.3	5.1	53.453	7.311	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	5	300.	268.	440.	85.	29282.5	171.121	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	5 ##	0.	4.6	20.	0.	75.8	8.706	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	5	165.	132.	218.	20.	7093.5	84.223	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	5	4.	3.2	7.	0.	9.7	3.114	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	5	80.	66.4	94.	36.	662.8	25.745	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	5	5100.	3940.	5600.	600.	4693000.	2166.333	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	5	0.25	0.292	0.45	0.1	0.023	0.151	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	5	45.	31.6	49.	3.	461.8	21.49	**	**	**	**

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Annual Analysis for 1989 - Station OBRI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	4	9.8	11.075	17.9	6.8	22.809	4.776	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	3	114.	114.667	135.	95.	400.333	20.008	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4 ##	2.	2.75	7.	0.	11.583	3.403	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	95.5	85.	149.	0.	4215.333	64.926	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	4	4.5	3.75	6.	0.	6.917	2.63	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	4	37.5	36.5	71.	0.	855.	29.24	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	3	1100.	1500.	2800.	600.	1330000.	1153.256	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	4	0.25	0.213	0.35	0.	0.022	0.149	**	**	**	**

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Annual Analysis for 1989 - Station OBRI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	4	19.5	16.75	28.	0.	148.917	12.203	**	**	**	**

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Annual Analysis for 1990 - Station OBRI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	5	11.3	11.12	21.6	4.3	45.142	6.719	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	5	60.	136.	340.	45.	16042.5	126.659	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	5	4.	2.4	4.	0.	4.8	2.191	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	5	34.	54.4	155.	0.	3523.3	59.357	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	5	6.	5.6	9.	0.	11.3	3.362	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	5	25.	32.2	80.	0.	856.7	29.269	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	4	600.	1650.	4900.	500.	4696666.667	2167.179	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	5 ##	0.1	0.08	0.2	0.	0.007	0.084	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	5	13.	17.4	36.	0.	186.3	13.649	**	**	**	**

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Annual Analysis for 1991 - Station OBRI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	6	9.1	10.85	20.6	3.1	51.139	7.151	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	85.	120.	270.	50.	7920.	88.994	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	3.	2.429	4.	0.	2.952	1.718	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	41.	58.143	140.	24.	1698.476	41.213	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	3.	2.571	3.	0.	1.286	1.134	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7	38.	35.429	80.	0.	589.952	24.289	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	6	1050.	2008.333	5500.	250.	4336416.667	2082.406	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.107	0.25	0.	0.005	0.073	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	15.	17.571	36.	11.	75.619	8.696	**	**	**	**

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Annual Analysis for 1992 - Station OBRI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	10.2	11.057	19.7	4.5	35.41	5.951	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	60.	75.714	150.	40.	1320.238	36.335	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	3.	3.143	6.	0.	3.81	1.952	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	38.	39.286	58.	17.	208.238	14.43	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	3.	3.	3.	3.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7	36.	41.143	65.	21.	195.143	13.969	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	7	800.	835.714	1400.	250.	158928.571	398.658	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	11.	11.857	17.	8.	10.143	3.185	**	**	**	**

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Annual Analysis for 1993 - Station OBRI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	8	9.7	10.013	17.9	5.	20.578	4.536	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	8	145.	141.875	280.	45.	7442.411	86.269	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	8	2.	2.125	3.	0.	0.982	0.991	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	8	67.5	73.	131.	22.	2069.143	45.488	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	8	2.5	2.5	3.	2.	0.286	0.535	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	8	49.	49.75	80.	10.	843.929	29.05	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	8	615.	1185.	3300.	500.	1234057.143	1110.881	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	8 ##	0.1	0.126	0.21	0.1	0.002	0.049	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	8	14.	16.375	27.	10.	43.696	6.61	**	**	**	**

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Annual Analysis for 1994 - Station OBRI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	6	12.5	12.467	18.	6.7	15.087	3.884	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	177.5	165.833	280.	80.	5404.167	73.513	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	1.5	1.167	2.	0.	0.967	0.983	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	74.5	77.667	122.	35.	937.067	30.612	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	6	2.	2.	3.	1.	0.4	0.632	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	6	54.5	56.667	80.	34.	402.267	20.057	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	6	1020.	1386.667	3700.	580.	1401066.667	1183.667	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	6 ##	0.1	0.127	0.26	0.1	0.004	0.065	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	6	16.5	17.667	29.	12.	35.467	5.955	**	**	**	**

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Annual Analysis for 1995 - Station OBRI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	9	13.8	13.056	20.7	2.1	46.578	6.825	2.1	6.4	19.2	20.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	9	220.	208.	259.	73.	3173.	56.329	73.	192.5	250.	259.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9 ##	0.	0.667	2.	0.	1.	1.	0.	0.	2.	2.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	107.	126.667	210.	53.	2570.5	50.7	53.	99.	178.5	210.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	2.	2.111	4.	1.	0.861	0.928	1.	1.5	2.5	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	9	80.	74.	80.	30.	274.	16.553	30.	78.	80.	80.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	9	3530.	3208.889	4000.	510.	1134311.111	1065.04	510.	3105.	3750.	4000.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	9 ##	0.1	0.106	0.2	0.05	0.002	0.039	0.05	0.1	0.1	0.2
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	9	26.	26.889	44.	9.	95.611	9.778	9.	23.	33.5	44.

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

Annual Analysis for 1996 - Station OBRI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	11.	12.229	20.3	5.6	33.376	5.777	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	94.	124.286	246.	60.	6664.905	81.639	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	3.	2.429	3.	0.	1.286	1.134	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	25.	47.	102.	21.	1077.	32.818	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	3.	3.	3.	3.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7	35.	39.857	80.	23.	363.143	19.056	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	7	780.	1062.857	3010.	250.	834990.476	913.778	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.119	0.23	0.1	0.002	0.049	**	**	**	**

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Annual Analysis for 1996 - Station OBRI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	10.	12.286	22.	8.	21.905	4.68	**	**	**	**

** - 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

Annual Analysis for 1997 - Station OBRI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	4	9.9	9.225	13.6	3.5	20.549	4.533	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	4	82.	89.5	130.	64.	803.667	28.349	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	3.	3.25	5.	2.	1.583	1.258	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	40.5	44.75	78.	20.	658.25	25.656	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	4	2.5	2.5	3.	2.	0.333	0.577	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	4	47.	45.5	55.	33.	107.667	10.376	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	4	## 485.	682.5	1510.	250.	353425.	594.496	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	4	## 0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	4	10.5	11.	15.	8.	8.667	2.944	**	**	**	**

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station OBRI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	25	18.3	18.84	24.	12.8	6.035	2.457	15.36	17.45	20.7	21.42
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	24	248.	263.625	450.	68.	10034.94	100.175	157.5	182.5	338.75	430.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	23	8.2	8.487	11.6	6.4	1.139	1.067	7.44	7.9	9.2	9.88
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	19	4.1	4.153	5.8	3.3	0.367	0.606	3.4	3.8	4.4	5.1
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	19	4.1	3.883	5.8	3.3	0.444	0.666	3.4	3.8	4.4	5.1
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	19	79.433	130.84	501.187	1.585	17665.198	132.91	7.943	39.811	158.489	398.107
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	25 ##	0.	0.4	3.	0.	0.75	0.866	0.	0.	0.	2.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	25	102.	103.28	189.	0.	3083.71	55.531	16.2	58.5	150.	180.4
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	25	2.	2.24	7.	0.	2.94	1.715	0.	1.	3.	4.8
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	25	80.	66.96	80.	0.	596.873	24.431	15.	63.5	80.	80.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	23	3600.	3669.13	7900.	610.	3861962.846	1965.188	820.	2000.	4900.	6700.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/18/83-05/19/97	12	7.	13.333	65.	0.	330.97	18.193	0.	1.25	20.	52.1
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/18/83-05/19/97	12	0.841	0.785	1.813	0.	0.374	0.612	0.	0.075	1.301	1.672
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.096								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	10/29/87-05/19/97	10	24.5	43.9	216.	8.	3841.211	61.978	8.5	13.	38.	200.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	10/29/87-05/19/97	10	1.389	1.43	2.334	0.903	0.159	0.398	0.924	1.114	1.566	2.276
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			26.935								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	25 ##	0.1	0.262	1.85	0.	0.158	0.397	0.	0.1	0.25	0.778
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	25	1.	5.76	105.	0.	432.941	20.807	0.5	0.6	2.	7.32
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	25	29.	29.44	63.	0.	186.59	13.66	11.8	20.	39.5	44.4

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

Seasonal Analysis for Season #2: 10/15 to 3/14 - Station OBRI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	47	6.8	7.411	16.4	2.	11.825	3.439	3.42	4.9	9.8	11.62
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	47	105.	142.83	440.	40.	9590.057	97.929	50.	75.	190.	296.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	47	11.3	11.174	13.3	8.7	1.456	1.207	9.38	10.5	12.2	12.62
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	44	4.5	4.552	5.7	3.7	0.231	0.481	3.85	4.125	4.8	5.2
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	44	4.5	4.326	5.7	3.7	0.284	0.533	3.85	4.125	4.8	5.2
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	44	31.623	47.18	199.526	1.995	2379.003	48.775	6.31	15.849	75.349	142.191
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	48	1.	2.06	20.	0.	10.182	3.191	0.	0.	3.	5.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	48	39.5	65.313	218.	0.	2540.773	50.406	19.7	30.	105.75	131.9
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	44	3.	3.091	8.	0.	2.596	1.611	1.	2.	3.75	5.5
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	47	38.	46.957	80.	0.	552.302	23.501	19.8	33.	76.	80.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	42	1330.	1844.524	5500.	250.	2267303.426	1505.757	325.	600.	2832.5	4070.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/18/83-05/19/97	29	1.	4.379	72.	0.	181.101	13.457	0.	0.	3.	8.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/18/83-05/19/97	29	0.	0.252	1.857	0.	0.213	0.461	0.	0.	0.477	0.903
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.788								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	10/29/87-05/19/97	29	7.	13.793	79.	0.	368.099	19.186	0.	0.	21.5	36.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	10/29/87-05/19/97	29	0.845	0.724	1.898	0.	0.444	0.666	0.	0.	1.329	1.556
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			5.299								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	48	0.205	0.24	0.94	0.	0.033	0.183	0.1	0.1	0.323	0.45
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	47	0.7	1.751	25.	0.2	15.301	3.912	0.38	0.5	1.2	3.12
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	48	17.5	20.271	78.	0.	186.883	13.67	8.9	11.	26.	33.3

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	36	12.05	12.761	22.5	6.3	17.081	4.133	7.61	10.05	15.35	18.62
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	35	90.	121.857	340.	45.	5145.067	71.729	59.6	64.	175.	222.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	34	10.55	10.244	11.6	7.9	1.	1.	8.55	9.625	11.025	11.3

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	36	4.55	4.592	5.8	3.6	0.317	0.563	3.9	4.2	4.875	5.56
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	36	4.547	4.32	5.8	3.6	0.393	0.627	3.9	4.2	4.875	5.56
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	36	28.371	47.905	251.189	1.585	2762.613	52.561	2.812	13.404	63.096	125.893
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	37	2.	1.973	5.	0.	2.194	1.481	0.	0.	3.	4.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	37	41.	55.865	210.	18.	1971.509	44.402	20.8	27.	67.5	121.8
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	36	3.	2.694	9.	0.	2.675	1.636	1.	2.	3.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	37	40.	42.784	94.	5.	463.174	21.521	21.8	25.5	52.5	80.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	37	720.	1149.459	5100.	250.	1296116.366	1138.471	250.	505.	1300.	3552.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/18/83-05/19/97	23	0.	1.478	9.	0.	8.352	2.89	0.	0.	1.	7.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/18/83-05/19/97	23	0.	0.165	0.954	0.	0.115	0.338	0.	0.	0.	0.845
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.462								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	10/29/87-05/19/97	23	11.	11.826	40.	0.	127.059	11.272	0.	2.	19.	30.8
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	10/29/87-05/19/97	23	1.041	0.811	1.602	0.	0.315	0.561	0.	0.301	1.279	1.485
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			6.477								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	37 ##	0.1	0.172	0.4	0.05	0.01	0.102	0.1	0.1	0.25	0.35
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	37	1.1	1.749	11.	0.4	4.31	2.076	0.5	0.8	1.8	2.82
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	37	15.	17.027	47.	8.	83.805	9.154	9.	11.	18.	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 box-and-whisker plot

Station Inventory for Station: OBRI0036

NPS Station ID: OBRI0036 LAT/LON: 36.069420/ -84.662949 Agency: 11NPSWRD Date Created: 07/11/98
Location: ROCK CREEK AT CONFLUENCE WITH EMORY RIVER FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): OBRI_USFW_R2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE LANCING TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS INSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT ROCK CREEK 50 YARDS UPSTREAM OF ROCK CREEK AND THE EMORY RIVER CONFLUENCE. DATA WERE COLLECTED AT THIS SITE IN 1979 BY THOMAS M. ABBOTT OF TENNESSEE TECHNOLOGICAL UNIVERSITY IN COOPERATION WITH THE U.S. FISH AND WILDLIFE SERVICE TO ASSESS THE EFFECTS OF COAL MINING ON OBRI. STATIONS WERE SELECTED THAT WERE ACCESSIBLE AND KNOWN TO BE IMPACTED BY COAL MINING RUNOFF. DATA WERE SUMMARIZED IN A REPORT TITLED "A WATER QUALITY ASSESSMENT OF COAL MINING EFFECTS ON THE OBED WILD AND SCENIC RIVER." FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAKRIDGE DRIVE SUITE 250; FORT COLLINS CO 80521; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/79-06/26/79	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/26/79-06/26/79	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/26/79-06/26/79	1	230.	230.	230.	230.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/26/79-06/26/79	1	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/26/79-06/26/79	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/26/79-06/26/79	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/79-06/26/79	1	125.893	125.893	125.893	125.893	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	06/26/79-06/26/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/26/79-06/26/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/26/79-06/26/79	1	250.	250.	250.	250.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/26/79-06/26/79	1	4500.	4500.	4500.	4500.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/26/79-06/26/79	1	500.	500.	500.	500.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/26/79-06/26/79	1	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	06/26/79-06/26/79	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0036

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	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: OBRI0037

NPS Station ID: OBRI0037
LAT/LON: 36.069949/ -84.663448
Agency: 11NPSWRD
Date Created: 07/04/98
Location: ROCK CREEK NEAR NEMO BRIDGE
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_NPS_R2
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE LANCING TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS INSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT ROCK CREEK NEAR NEMO BRIDGE AT STREAM MILE 0.1. DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSEE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/79-09/30/80	5	14.	11.4	19.	-1.	61.3	7.829	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	11/16/79-09/30/80	5	14.	13.	24.	-6.	133.	11.533	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/16/79-09/30/80	5	94.	139.6	319.	70.	10568.3	102.802	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/16/79-09/30/80	3	9.3	9.9	11.3	9.1	1.48	1.217	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/16/79-09/30/80	5	3.5	3.48	3.6	3.3	0.017	0.13	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/16/79-09/30/80	5	3.5	3.464	3.6	3.3	0.017	0.132	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/16/79-09/30/80	5	316.228	343.58	501.187	251.189	11408.431	106.81	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	5	2.	4.2	16.	0.	45.2	6.723	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/03/80-09/30/80	3	39.	31.333	40.	15.	200.333	14.154	**	**	**	**
00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	11/16/79-09/30/80	5	0.1	0.106	0.2	0.025	0.007	0.083	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/79-06/07/80	4	1.43	1.965	4.7	0.3	4.113	2.028	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/16/79-09/30/80	5	0.03	0.029	0.04	0.02	0.	0.007	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/80-06/08/80	1 ##	0.375	0.375	0.375	0.375	0.	0.	**	**	**	**
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	02/29/80-09/30/80	3 ##	0.025	0.023	0.025	0.02	0.	0.003	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	5	28.	34.8	54.	24.	165.2	12.853	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/08/80-06/08/80	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/08/80-06/08/80	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	06/08/80-06/08/80	1	1.16	1.16	1.16	1.16	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	06/08/80-06/08/80	1 ##	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**

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

Parameter Inventory for Station: OBRI0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	11/16/79-09/30/80	5	60.	52.6	66.	33.	204.8	14.311	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	06/08/80-06/08/80	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/80-06/08/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/16/79-09/30/80	6 ##	1.	4.833	15.	1.	37.767	6.145	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	06/08/80-06/08/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/16/79-09/30/80	6 ##	2.5	7.917	35.	2.5	176.042	13.268	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/16/79-09/30/80	6	355.	366.667	600.	180.	30786.667	175.461	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	02/29/80-09/30/80	5 ##	5.	354.	1750.	5.	609005.	780.388	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/16/79-06/08/80	2	1185.	1185.	1720.	650.	572450.	756.604	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/08/80-06/08/80	1 ##	30.	30.	30.	30.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/16/79-06/08/80	4	145.	143.25	250.	33.	12668.917	112.556	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/16/79-09/30/80	6	1520.	1796.667	4370.	680.	1800986.667	1342.008	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	11/16/79-09/30/80	4	0.07	0.063	0.1	0.01	0.002	0.045	**	**	**	**
31611	FECAL COLIFORM, MF, M-TEC #/100ML	11/16/79-11/16/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
31611	LOG FECAL COLIFORM, MF, M-TEC #/1	11/16/79-11/16/79	1	0.477	0.477	0.477	0.477	0.	0.	**	**	**	**
31611	GM FECAL COLIFORM, MF, M-TEC #/10	GEOMETRIC MEAN =			3.								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/16/79-09/30/80	4	2.5	2.75	4.	2.	0.917	0.957	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/16/79-09/30/80	4	0.389	0.42	0.602	0.301	0.022	0.147	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			2.632								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	2	4.5	4.5	9.	0.	40.5	6.364	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	2	0.477	0.477	0.954	0.	0.455	0.675	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			3.								
38745	2,4-DB WATER, TOTUG/L	06/08/80-06/08/80	1 ##	1.95	1.95	1.95	1.95	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39755	MIREX, TOTAL (UG/L)	06/08/80-06/08/80	1 ##	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	11/16/79-09/30/80	4	0.4	0.45	0.8	0.2	0.07	0.265	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11/16/79-11/16/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/07/80-09/30/80	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/16/79-09/30/80	4	2.	2.5	5.	1.	3.	1.732	**	**	**	**
82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	11/16/79-06/07/80	3 ##	0.05	0.187	0.46	0.05	0.056	0.237	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0037

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	5	1.00	1	1	1.00	2	2	1.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	1	1.00							1	1	1.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5 &	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	1300.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	4 &	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	15.	4 &	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3 &	1	0.33				2	1	0.50	1	0	0.00			
		Drinking Water	5000.	4	0	0.00				2	0	0.00	2	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00							1	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00							1	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00							1	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00							1	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00							1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00							1	0	0.00			
		Drinking Water	3.	1	0	0.00							1	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.4	1	0	0.00							1	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00							1	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	1	0	0.00							1	0	0.00			
39720	PICLORAM IN WHOLE WATER SAMPLE	Drinking Water	500.	1	0	0.00							1	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00							1	0	0.00			
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00				1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	2.	2	0	0.00	1	0	0.00				1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	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: OBRI0038

NPS Station ID: OBRI0038
LAT/LON: 36.070420/ -84.664142
Agency: 11NPSWRD
Date Created: 07/11/98
Location: ROCK CREEK UPSTREAM OF NEMO BRIDGE
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_USFW_R1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE LANCING TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS INSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT ROCK CREEK APPROXIMATELY 0.3 MILES FROM THE EMORY RIVER AND 30 FEET UPSTREAM OF THE MOUTH OF CAMP BRANCH. DATA WERE COLLECTED AT THIS SITE IN 1979 BY THOMAS M. ABBOTT OF TENNESSE TECHNOLOGICAL UNIVERSITY IN COOPERATION WITH THE U.S. FISH AND WILDLIFE SERVICE TO ASSESS THE EFFECTS OF COAL MINING ON OBRI. STATIONS WERE SELECTED THAT WERE ACCESSIBLE AND KNOWN TO BE IMPACTED BY COAL MINING RUNOFF. DATA WERE SUMMARIZED IN A REPORT TITLED "A WATER QUALITY ASSESSMENT OF COAL MINING EFFECTS ON THE OBED WILD AND SCENIC RIVER." FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAKRIDGE DRIVE SUITE 250; FORT COLLINS CO 80521; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/79-06/26/79	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/26/79-06/26/79	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/26/79-06/26/79	1	129.	129.	129.	129.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/26/79-06/26/79	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/26/79-06/26/79	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/26/79-06/26/79	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/79-06/26/79	1	63.096	63.096	63.096	63.096	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	06/26/79-06/26/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/26/79-06/26/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/26/79-06/26/79	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/26/79-06/26/79	1	870.	870.	870.	870.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/26/79-06/26/79	1	380.	380.	380.	380.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/26/79-06/26/79	1	1600.	1600.	1600.	1600.	0.	0.	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	06/26/79-06/26/79	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0038

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	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: OBRI0039

NPS Station ID: OBRI0039 | LAT/LON: 36.052254/ -84.664226 | Agency: 11NPSWRD | Date Created: 07/04/98
Location: ISLAND CREEK NEAR CATOOSA GAME CHECK STATION | FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): OBRI_NPS_IC13
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 06010208 | Depth of Water: 0 | Aquifer:
Major Basin: TENNESSEE RIVER | Elevation: 0 | Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES | ECO Region:
RF1 Index: 06010208 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 06010208000109.53 | RF3 Mile Point: 9.53 | Distance from RF3: 0.48 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE LANCING TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS OUTSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT ISLAND CREEK 0.2 KM SOUTHWEST OF THE CATOOSA GAME CHECK STATION NEAR THE CONFLUENCE OF ISLAND CREEK AND THE EMORY RIVER (STREAM MILE 2.0). DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSEE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NPS WRD; 1201 OAK RIDGE DRIVE SUITE 250; FT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/80-08/03/80	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/03/80-08/03/80	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/80-08/03/80	1	72.	72.	72.	72.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/03/80-08/03/80	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/03/80-08/03/80	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/80-08/03/80	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/80-08/03/80	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/03/80-08/03/80	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/03/80-08/03/80	1	8.	8.	8.	8.	0.	0.	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	08/03/80-08/03/80	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	08/03/80-08/03/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0039

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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									
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: OBRI0040

NPS Station ID: OBRI0040 LAT/LON: 36.052781/ -84.666948 Agency: 21TNWQ Date Created: 03/05/83
Location: ISLAND CR 2.3 @ 1ST BRIDGE FR MOUTH QUAD 122SW FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ISLANDCRIS02
RMI-Indexes: 1021500 007720 00920 7930 0250 0970 Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.40 027.17 002.30
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: CLINCH RIVER ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 10.00 On/Off RF1:
RF3 Index: 06010208003501.47 RF3 Mile Point: 1.74 Distance from RF3: 0.01 On/Off RF3:
Description:
W.Q. LIBRARY FILE INDEX NO. BF0.04 CHEMICAL DATA FOR TRIBS TO ISLAND CR ARE INCLUDED IN SURVEY BUT NOT ENTERED INTO STORET DUE TO INABILITY TO ADEQUATELY DEFINE STATIONS

Parameter Inventory for Station: OBRI0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/15/79-10/15/79	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/15/79-10/15/79	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/15/79-10/15/79	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/15/79-10/15/79	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/15/79-10/15/79	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/15/79-10/15/79	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/15/79-10/15/79	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/15/79-10/15/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	10/15/79-10/15/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/15/79-10/15/79	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/15/79-10/15/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/15/79-10/15/79	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	10/15/79-10/15/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/15/79-10/15/79	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	10/15/79-10/15/79	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/15/79-10/15/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/15/79-10/15/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/15/79-10/15/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/15/79-10/15/79	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/15/79-10/15/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/15/79-10/15/79	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/15/79-10/15/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/15/79-10/15/79	1	140.	140.	140.	140.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0040

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	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						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: OBRI0041

NPS Station ID: OBRI0041
LAT/LON: 36.052781/ -84.666948
Agency: 112WRD
Date Created: 07/21/79
Location: ISLAND CREEK NEAR CATOOSA, TN
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03539831
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000904.85
RF3 Mile Point: 5.65
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/79-08/18/81	6	19.5	17.167	24.	7.5	47.767	6.911	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/23/79-08/18/81	6	8.	122.205	683.	0.03	75648.134	275.042	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/23/79-08/18/81	6	29.5	30.	40.	20.	71.6	8.462	**	**	**	**
00400	PH (STANDARD UNITS)	05/23/79-08/18/81	6	6.65	6.55	7.	6.1	0.147	0.383	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/23/79-08/18/81	6	6.625	6.412	7.	6.1	0.17	0.412	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/79-08/18/81	6	0.237	0.387	0.794	0.1	0.105	0.324	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/18/81-08/18/81	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/18/81-08/18/81	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/18/81-08/18/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/23/79-08/18/81	6	4.5	4.167	6.	2.	3.367	1.835	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/18/81-08/18/81	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/18/81-08/18/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/18/81-08/18/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/18/81-08/18/81	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/18/81-08/18/81	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/18/81-08/18/81	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/18/81-08/18/81	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/18/81-08/18/81	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/18/81-08/18/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/18/81-08/18/81	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/18/81-08/18/81	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/18/81-08/18/81	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/23/79-08/18/81	6	8.	8.167	12.	5.	8.167	2.858	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/18/81-08/18/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/18/81-08/18/81	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/18/81-08/18/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/06/79-07/18/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/18/81-08/18/81	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/18/81-08/18/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-07/18/80	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-07/18/80	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/18/81-08/18/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/06/79-07/18/80	2	15.	15.	20.	10.	50.	7.071	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/18/81-08/18/81	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/06/79-07/18/80	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	05/23/79-08/18/81	5	330.	278.	500.	60.	35070.	187.27	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/23/79-08/18/81	6	240.	265.	510.	80.	35510.	188.441	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/23/79-08/18/81	6	25.	25.	40.	10.	110.	10.488	**	**	**	**

** - Less than 9 observations ## - 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: OBRI0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051	LEAD, TOTAL (UG/L AS PB)	08/18/81-08/18/81	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/06/79-07/18/80	2	15.	15.	20.	10.	50.	7.071	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/06/79-07/18/80	2	89.5	89.5	120.	59.	1860.5	43.134	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/23/79-08/18/81	6	5.	25.	100.	0.	1590.	39.875	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/23/79-08/18/81	6	20.	53.333	160.	10.	3586.667	59.889	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/23/79-08/18/81	6	25.	29.167	60.	5.	484.167	22.004	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/18/81-08/18/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/18/81-08/18/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/06/79-07/18/80	2	21.	21.	22.	20.	2.	1.414	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/18/81-08/18/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/06/79-07/18/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/06/79-07/18/80	2	5750.	5750.	8500.	3000.	15125000.	3889.087	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/18/81-08/18/81	1	26.	26.	26.	26.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/18/81-08/18/81	1	26.	26.	26.	26.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/18/81-08/18/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/18/81-08/18/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/23/79-05/23/79	1	58.	58.	58.	58.	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/18/81-08/18/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/18/81-08/18/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/06/79-07/18/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/23/79-03/21/80	4 ##	4.75	8.5	24.	0.5	122.833	11.083	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/23/79-03/21/80	3	0.35	14.793	44.	0.03	639.798	25.294	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	08/18/81-08/18/81	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: OBRI0041

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	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	3	0.50	3	1	0.33	1	1	1.00	2	1	0.50			
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									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01077	SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: OBRI0042

NPS Station ID: OBRI0042
LAT/LON: 36.052781/ -84.667227
Agency: 112WRD
Date Created: / /
Location: ISLAND C AT CATOOSA, TENN.
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03539830
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000700.93
RF3 Mile Point: 2.01
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/65-05/23/65	1	20.6	20.6	20.6	20.6	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	05/23/65-05/23/65	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/23/65-05/23/65	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/23/65-05/23/65	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/23/65-05/23/65	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/23/65-05/23/65	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/65-05/23/65	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	05/23/65-05/23/65	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	05/23/65-05/23/65	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/23/65-05/23/65	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/23/65-05/23/65	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/23/65-05/23/65	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/23/65-05/23/65	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/23/65-05/23/65	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/23/65-05/23/65	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/23/65-05/23/65	1	100.	100.	100.	100.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	05/23/65-05/23/65	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	05/23/65-05/23/65	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: OBRI0042

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: OBRI0043

NPS Station ID: OBRI0043 LAT/LON: 36.051392/ -84.668060 Agency: 21TNECO Date Created: 10/03/98
Location: ISLAND CREEK, QD 122 SW BRIDGE CROSSING FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ECO68A27
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TN RIVER Elevation: 0 Water Body Id:
Minor Basin: CLINCH RIVER ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
ADDED 4TH QU FY 98 BRIDGE CROSSING AT CATOOSA WMA
WBI 06010208-005

Parameter Inventory for Station: OBRI0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/13/98-12/01/98	3	13.6	14.2	20.4	8.6	35.08	5.923	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/05/98-12/01/98	2	0.65	0.65	0.7	0.6	0.005	0.071	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/13/98-12/01/98	3	0.7	0.633	0.7	0.5	0.013	0.115	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/13/98-12/01/98	3	3.	5.333	10.	3.	16.333	4.041	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	05/13/98-12/01/98	3	3.	8.667	20.	3.	96.333	9.815	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/13/98-12/01/98	3	36.	38.	57.	21.	327.	18.083	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/05/98-12/01/98	2	8.45	8.45	8.7	8.2	0.125	0.354	**	**	**	**
00400	PH (STANDARD UNITS)	05/13/98-12/01/98	3	6.97	6.863	7.28	6.34	0.229	0.479	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/13/98-12/01/98	3	6.97	6.687	7.28	6.34	0.276	0.525	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/13/98-12/01/98	3	0.107	0.206	0.457	0.052	0.048	0.22	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/13/98-12/01/98	3	5.	11.333	26.	3.	162.333	12.741	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/13/98-12/01/98	3	30.	24.667	39.	5.	310.333	17.616	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/13/98-12/01/98	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/13/98-12/01/98	3 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/13/98-12/01/98	3	0.04	0.05	0.09	0.02	0.001	0.036	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	05/13/98-12/01/98	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/13/98-12/01/98	3 ##	0.002	0.048	0.14	0.002	0.006	0.08	**	**	**	**
00690	CARBON, TOTAL (MG/L AS C)	05/13/98-08/05/98	2	1.55	1.55	2.	1.1	0.405	0.636	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/13/98-12/01/98	3	21.	22.667	29.	18.	32.333	5.686	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/05/98-12/01/98	2	13.5	13.5	19.	8.	60.5	7.778	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	05/13/98-12/01/98	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/13/98-12/01/98	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/13/98-12/01/98	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/13/98-12/01/98	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/13/98-12/01/98	3 ##	12.5	34.	77.	12.5	1386.75	37.239	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/13/98-12/01/98	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/13/98-12/01/98	3	12.	12.333	14.	11.	2.333	1.528	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/13/98-12/01/98	3	2.	2.167	4.	0.5	3.083	1.756	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/13/98-12/01/98	3 ##	1.	6.5	18.	0.5	99.25	9.962	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/13/98-12/01/98	3 ##	0.	0.318	1.255	-0.301	0.681	0.825	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.08								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/13/98-12/01/98	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/13/98-12/01/98	3 ##	-0.301	-0.301	-0.301	-0.301	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: OBRI0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			0.5								
61223	E.COLI, WATER UNFILTERED,ONPG-MUG,COLILERT #/100ML	08/05/98-12/01/98	2 ##	1.25	1.25	2.	0.5	1.125	1.061	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0043

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00	1	0	0.00						
00400	PH	Fresh Chronic	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	1	0.33	1	0	0.00	1	0	0.00	1	1	1.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	1	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						
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	50.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	5.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	1300.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	15.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	5000.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			

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

Station Inventory for Station: OBRI0044

NPS Station ID: OBRI0044
LAT/LON: 36.071059/ -84.668949
Agency: 11NPSWRD
Date Created: 07/04/98
Location: CAMP BRANCH NEAR NEMO BRIDGE
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_NPS_CB12
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE LANCING TENNESSEE 7.5 MINUTE SERIES SERIES (TOPOGRAPHIC) QUADRANGLE AND IS OUTSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT CAMP BRANCH; A TRIBUTARY OF ROCK CREEK WHICH DRAINS A COAL STRIP MINE AREA; NEAR NEMO BRIDGE (STREAM MILE 0.1). DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSEE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NPS WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/80-08/03/80	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/03/80-08/03/80	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/80-08/03/80	1	450.	450.	450.	450.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/03/80-08/03/80	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/03/80-08/03/80	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/03/80-08/03/80	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/80-08/03/80	1	630.957	630.957	630.957	630.957	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/80-08/03/80	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	08/03/80-08/03/80	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/03/80-08/03/80	1	0.24	0.24	0.24	0.24	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/03/80-08/03/80	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	08/03/80-08/03/80	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/03/80-08/03/80	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/03/80-08/03/80	1	68.	68.	68.	68.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/03/80-08/03/80	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/03/80-08/03/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/03/80-08/03/80	1	4200.	4200.	4200.	4200.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/03/80-08/03/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/03/80-08/03/80	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

Parameter Inventory for Station: OBRI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/03/80-08/03/80	1	3820.	3820.	3820.	3820.	0.	0.	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	08/03/80-08/03/80	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/03/80-08/03/80	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	08/03/80-08/03/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	08/03/80-08/03/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0044

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: OBRI0045

NPS Station ID: OBRI0045 LAT/LON: 36.072753/ -84.668976 Agency: 11NPSWRD Date Created: 07/11/98
Location: ROCK CREEK ABOVE THE MOUTH OF CAMP BRANCH FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): OBRI_USFW_C1
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE LANCING TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS OUTSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT ROCK CREEK AT APPROXIMATELY RIVER MILE 0.3 AND 20 FEET UPSTREAM OF THE MOUTH OF CAMP BRANCH. DATA WERE COLLECTED AT THIS SITE IN 1979 BY THOMAS M. ABBOTT OF TENNESSEE TECHNOLOGICAL UNIVERSITY IN COOPERATION WITH THE U.S. FISH AND WILDLIFE SERVICE TO ASSESS THE EFFECTS OF COAL MINING ON OBRI. STATIONS WERE SELECTED THAT WERE ACCESSIBLE AND KNOWN TO BE IMPACTED BY COAL MINING RUNOFF. DATA WERE SUMMARIZED IN A REPORT TITLED "A WATER QUALITY ASSESSMENT OF COAL MINING EFFECTS ON THE OBED WILD AND SCENIC RIVER." FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAKRIDGE DRIVE SUITE 250; FORT COLLINS CO 80521; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/79-06/26/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/26/79-06/26/79	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/26/79-06/26/79	1	462.	462.	462.	462.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/26/79-06/26/79	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/26/79-06/26/79	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/26/79-06/26/79	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/79-06/26/79	1	251.189	251.189	251.189	251.189	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	06/26/79-06/26/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/26/79-06/26/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/26/79-06/26/79	1	4300.	4300.	4300.	4300.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/26/79-06/26/79	1	9500.	9500.	9500.	9500.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/26/79-06/26/79	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/26/79-06/26/79	1	3710.	3710.	3710.	3710.	0.	0.	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	06/26/79-06/26/79	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0045

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	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: OBRI0046

NPS Station ID: OBRI0046
LAT/LON: 36.081392/ -84.670837
Agency: 112WRD
Date Created: / /
Location: OBED RIVER NEAR LANCING, TENN.
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03539800
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208007
RF1 Mile Point: 1.070
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 06010208000801.24
RF3 Mile Point: 1.24
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0046

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/30/64-08/20/85	62	16.25	16.14	29.	1.1	66.558	8.158	4.	8.75	23.925	26.85
00060	FLOW, STREAM, MEAN DAILY CFS	02/02/65-05/23/68	20	447.	1095.4	10200.	18.	5183539.516	2276.739	20.3	75.25	724.25	2641.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/08/75-08/20/85	47	183.	1009.83	6630.	1.	2777096.101	1666.462	16.6	35.	1540.	4108.
00080	COLOR (PLATINUM-COBALT UNITS)	02/02/65-05/23/68	20	5.	5.15	10.	2.	2.45	1.565	3.2	5.	5.	7.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/02/65-02/11/82	50	48.	52.14	97.	25.	417.184	20.425	28.1	33.5	65.75	86.3
00400	PH (STANDARD UNITS)	02/02/65-05/23/68	20	6.85	6.82	7.9	6.3	0.129	0.359	6.32	6.5	6.975	7.19
00400	CONVERTED PH (STANDARD UNITS)	02/02/65-05/23/68	20	6.847	6.707	7.9	6.3	0.142	0.377	6.32	6.5	6.975	7.19
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/02/65-05/23/68	20	0.142	0.196	0.501	0.013	0.019	0.137	0.065	0.106	0.316	0.483
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/27/66-05/23/68	4	6.	6.75	10.	5.	5.583	2.363	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	02/02/65-05/23/68	20	10.	11.5	25.	3.	32.684	5.717	6.	7.25	16.	19.9
00445	CARBONATE ION (MG/L AS CO3)	02/02/65-10/07/65	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/29/66-11/29/66	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	05/23/65-10/07/65	2	0.005	0.005	0.01	0.	0.	0.007	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/02/65-05/23/68	20	10.	12.2	22.	8.	17.642	4.2	8.1	9.	16.	18.9
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/02/65-05/23/68	7	2.	2.714	5.	2.	1.571	1.254	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/02/65-05/23/68	19	3.5	4.068	7.7	2.1	2.287	1.512	2.3	2.9	5.3	6.3
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/02/65-05/23/68	19	0.5	0.479	1.	0.1	0.067	0.259	0.1	0.3	0.7	0.9
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/02/65-05/23/68	19	0.9	0.984	1.7	0.5	0.098	0.313	0.6	0.8	1.2	1.5
00931	SODIUM ADSORPTION RATIO	10/27/66-05/23/68	4	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	10/27/66-05/23/68	4	14.	13.75	17.	10.	10.917	3.304	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/02/65-05/23/68	19	1.3	1.258	2.6	0.3	0.393	0.627	0.5	0.7	1.6	2.2
00940	CHLORIDE,TOTAL IN WATER MG/L	02/02/65-05/23/68	19	2.	2.316	4.	1.	0.673	0.82	1.	2.	3.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/02/65-05/23/68	20	4.	3.9	9.	1.	2.726	1.651	2.	3.	4.75	5.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/02/65-05/23/65	2	0.05	0.05	0.1	0.	0.005	0.071	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/02/65-05/23/68	19	2.6	2.432	3.6	0.4	0.613	0.783	1.4	1.9	3.	3.5
01046	IRON, DISSOLVED (UG/L AS FE)	05/23/65-05/23/68	19	10.	13.684	70.	0.	291.228	17.065	0.	0.	20.	30.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/30/64-11/29/66	5	0.	500.	2500.	0.	1250000.	1118.034	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/23/65-10/07/65	2	100.	100.	200.	0.	20000.	141.421	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/02/65-05/23/68	19	22.	21.105	28.	10.	22.766	4.771	13.	18.	25.	27.
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/27/66-05/23/68	4	76.4	233.413	771.	9.85	131416.227	362.514	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/27/66-05/23/68	4	0.03	0.03	0.04	0.02	0.	0.008	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	02/02/65-05/23/68	19	0.3	0.279	0.8	0.	0.067	0.259	0.	0.	0.4	0.7

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

EPA Water Quality Criteria Analysis for Station: OBRI0046

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	20	0	0.00	7	0	0.00	8	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	20	6	0.30	7	0	0.00	8	2	0.25	5	4	0.80			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	19	0	0.00	7	0	0.00	7	0	0.00	5	0	0.00			
		Drinking Water	250.	19	0	0.00	7	0	0.00	7	0	0.00	5	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	20	0	0.00	7	0	0.00	8	0	0.00	5	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00				1	0	0.00	1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	19	0	0.00	7	0	0.00	7	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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station OBRI0046

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/30/64-08/20/85	24	24.	23.188	29.	13.	21.025	4.585	15.5	20.	26.875	29.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/08/75-08/20/85	19	38.	325.789	4720.	1.	1145015.953	1070.054	7.	21.	91.	463.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/02/65-02/11/82	20	59.	61.9	90.	32.	249.253	15.788	42.3	49.5	77.5	86.3

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

Seasonal Analysis for Season #2: 10/15 to 3/14 - Station OBRI0046

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/30/64-08/20/85	22	6.85	7.777	17.	1.1	20.12	4.486	2.95	4.	12.2	14.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/08/75-08/20/85	16	707.	1868.313	6630.	4.	4824263.696	2196.421	4.7	161.25	3647.5	6119.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/02/65-02/11/82	18	39.	46.	97.	26.	490.235	22.141	27.8	29.	56.25	96.1

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

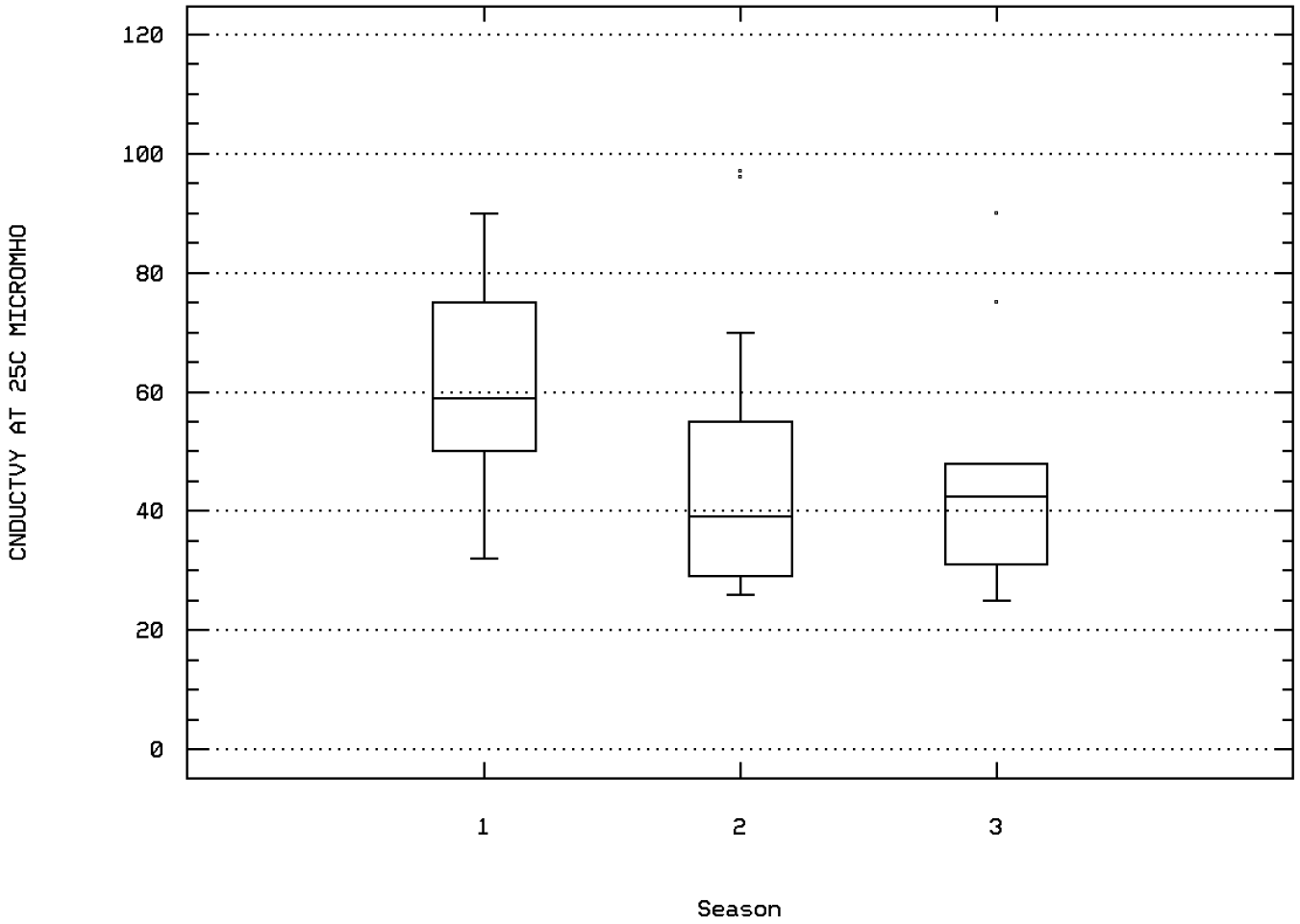
Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0046

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/30/64-08/20/85	16	16.75	17.069	24.5	7.5	27.305	5.225	8.55	14.	22.025	24.08
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/08/75-08/20/85	12	267.	948.25	3390.	101.	1276770.932	1129.943	113.	171.	1682.5	3177.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/02/65-02/11/82	12	42.5	45.083	90.	25.	380.992	19.519	25.6	29.5	48.	85.5

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

Station: OBRI0046 Parameter Code: 00095

SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



OBED RIVER NEAR LANCING, TENN.

Station Inventory for Station: OBRI0047

NPS Station ID: OBRI0047 LAT/LON: 36.052226/ -84.671392 Agency: 21TNWQ Date Created: 03/05/83
Location: ISLAND CR 2.8 D/S PANTHER CR QUAD 122SW FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ISLANDCRIS01
RMI-Indexes: 1021500 007720 00920 7930 0250 0970 Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.40 027.17 002.80
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: CLINCH RIVER ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000403.56 RF3 Mile Point: 3.55 Distance from RF3: 0.03 On/Off RF3:
Description:
W.Q. LIBRARY FILE INDEX NO. BF0.04 CHEMICAL DATA FOR TRIBS TO ISLAND CR ARE INCLUDED IN SURVEY BUT NOT ENTERED INTO STORET DUE TO INABILITY TO ADEQUATELY DEFINE STATIONS

Parameter Inventory for Station: OBRI0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/15/79-10/15/79	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/15/79-10/15/79	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/15/79-10/15/79	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/15/79-10/15/79	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/15/79-10/15/79	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/15/79-10/15/79	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/15/79-10/15/79	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/15/79-10/15/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	10/15/79-10/15/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/15/79-10/15/79	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/15/79-10/15/79	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/15/79-10/15/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/15/79-10/15/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	10/15/79-10/15/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/15/79-10/15/79	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	10/15/79-10/15/79	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/15/79-10/15/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/15/79-10/15/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/15/79-10/15/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/15/79-10/15/79	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/15/79-10/15/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/15/79-10/15/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/15/79-10/15/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/15/79-10/15/79	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: OBRI0047

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	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						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: OBRI0048

NPS Station ID: OBRI0048 | LAT/LON: 36.101310/ -84.716837 | Agency: 11NPSWRD | Date Created: 05/09/98
Location: CLEAR CREEK AT LILLY BRIDGE | FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): OBRI_NPS_CC-1
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208 | Depth of Water: 0 | Aquifer:
Major Basin: TENNESSEE RIVER | Elevation: 0 | Water Body Id:
Minor Basin: TENNESSEE RIVER MAIN STEM AND MINOR TRIB | ECO Region:
RF1 Index: 06010208 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 06010208000109.53 | RF3 Mile Point: 9.53 | Distance from RF3: 0.48 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE LANCING TN-MORGAN CO 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS ON A STREAM INSIDE THE BOUNDARY OF THE OBED WILD AND SCENIC RIVER. THE SITE IS ON CLEAR CREEK AT LILLY BRIDGE. THE SITE IS SAMPLED FOR PH; CONDUCTIVITY; METALS; AND COLIFORMS. THE SAMPLING WAS BEGUN TO ENSURE THAT THE WILD AND SCENIC RIVER WAS PROTECTED AND PRESERVED AS MANDATED IN THE EARLY 1980'S. THE SAMPLING WAS DONE BY PARK PERSONNEL. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES; OBED WILD AND SCENIC RIVER; P.O. BOX 429; WARTBURG TN 37887-0429 (TEL. 423-346-6294). DATA WERE 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: OBRI0048

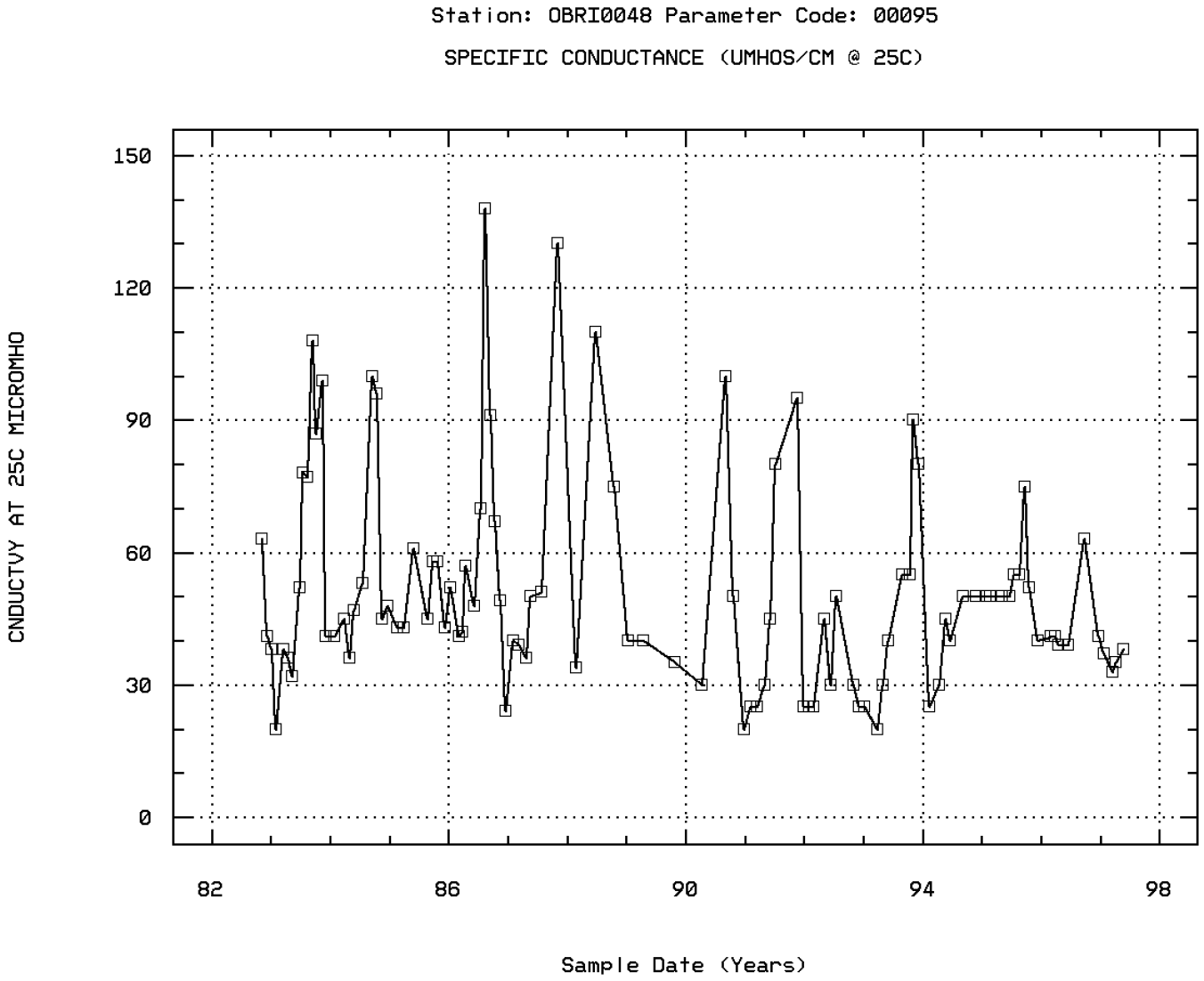
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	106	12.8	14.153	29.2	0.7	54.378	7.374	5.54	7.95	19.35	26.9
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	104	45.	51.01	138.	20.	566.961	23.811	25.	36.25	56.5	90.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	101	10.2	9.928	13.4	3.5	3.061	1.749	7.7	8.8	11.15	12.
00406p	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	96	7.	6.951	7.7	4.8	0.159	0.398	6.47	6.7	7.2	7.4
00406p	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	96	7.	6.512	7.7	4.8	0.353	0.594	6.47	6.7	7.2	7.4
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	96	0.1	0.307	15.849	0.02	2.586	1.608	0.04	0.063	0.2	0.341
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	104	10.	12.529	35.	3.	57.941	7.612	6.	7.	17.	25.
00612	AMMONIA, UNIONZED (MG/L AS N)	10/17/95-05/19/97	12	0.105	0.1	0.2	0.	0.005	0.072	0.	0.028	0.175	0.194
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	104	15.	16.798	64.	10.	50.706	7.121	12.	13.	18.75	23.
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	99	5.	6.192	18.	2.	12.83	3.582	2.	4.	8.	11.
00945p	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	103 ##	5.	5.845	19.	0.	7.897	2.81	5.	5.	5.	10.6
01055p	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	100 ##	250.	250.	500.	0.	1262.626	35.533	250.	250.	250.	250.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/10/83-04/11/88	25	40.	210.12	1480.	0.	154670.11	393.281	0.	6.	150.	1014.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	05/10/83-04/11/88	25	1.602	1.541	3.17	0.	0.925	0.962	0.	0.772	2.167	3.005
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			34.716								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	81	10.	59.16	713.	0.	20582.386	143.466	0.	1.	22.	205.4
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	81	1.	0.949	2.853	0.	0.7	0.837	0.	0.	1.341	2.307
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.892								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	73	70.	846.37	18800.	0.	7999916.514	2828.412	0.4	10.	380.	1728.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	73	1.845	1.778	4.274	0.	1.194	1.093	0.	1.	2.58	3.231
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			59.996								
74010p	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	103 ##	0.1	0.101	0.2	0.	0.	0.017	0.1	0.1	0.1	0.1
82078p	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	105	1.5	2.672	27.	0.4	12.338	3.512	0.7	1.	2.6	6.64
82242p	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	104	7.	8.346	20.	4.	11.976	3.461	5.	6.	10.	13.5

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

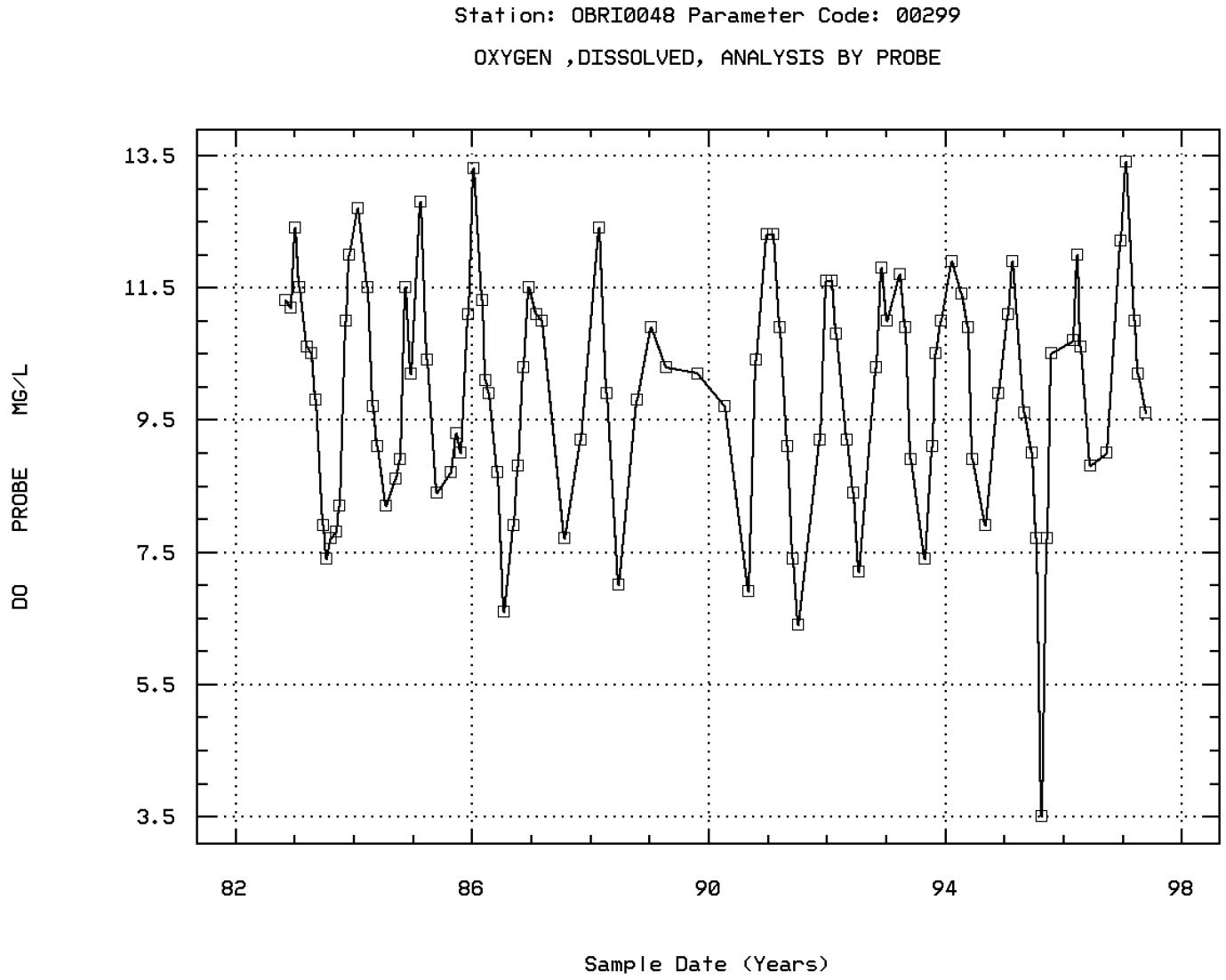
EPA Water Quality Criteria Analysis for Station: OBRI0048

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	101	1	0.01	21	1	0.05	45	0	0.00	35	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	96	0	0.00	16	0	0.00	43	0	0.00	37	0	0.00			
		Other-Lo Lim.	6.5	96	12	0.13	16	3	0.19	43	6	0.14	37	3	0.08			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	99	0	0.00	21	0	0.00	41	0	0.00	37	0	0.00			
		Drinking Water	250.	99	0	0.00	21	0	0.00	41	0	0.00	37	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	103	0	0.00	21	0	0.00	44	0	0.00	38	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	25	2	0.08	7	1	0.14	10	0	0.00	8	1	0.13			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	81	8	0.10	15	2	0.13	35	3	0.09	31	3	0.10			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	105	0	0.00	21	0	0.00	46	0	0.00	38	0	0.00			

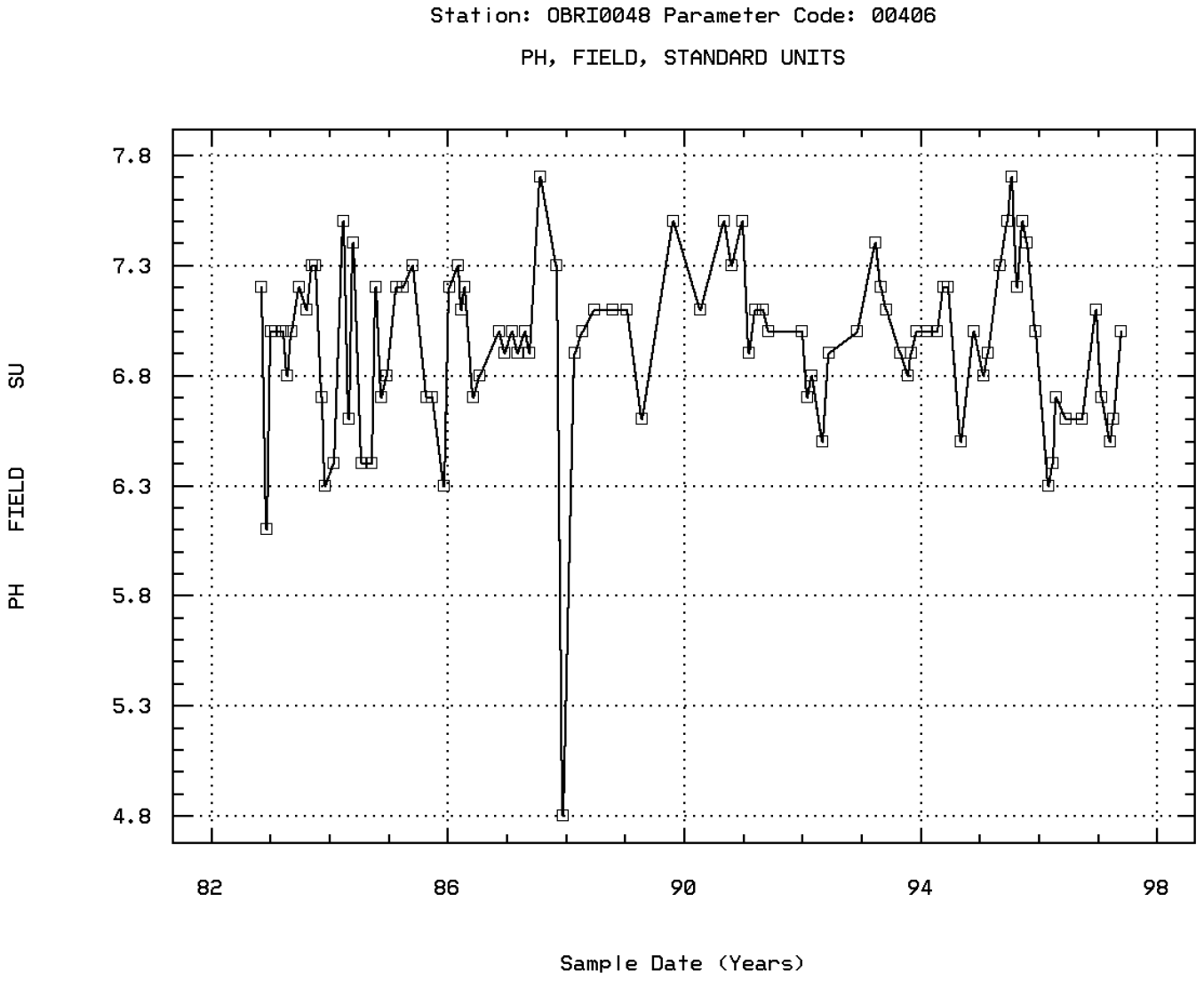
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



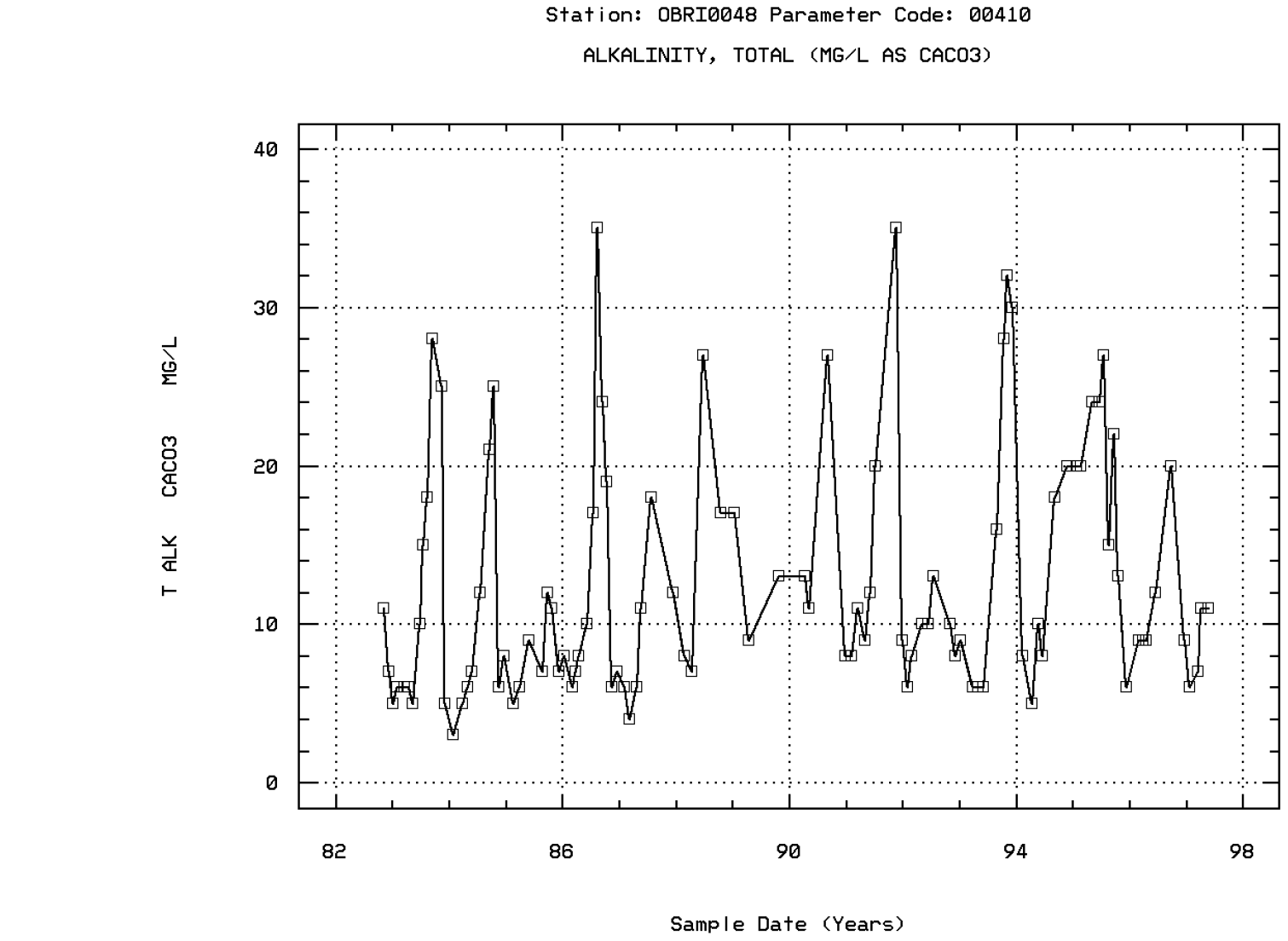
CLEAR CREEK AT LILLY BRIDGE



CLEAR CREEK AT LILLY BRIDGE



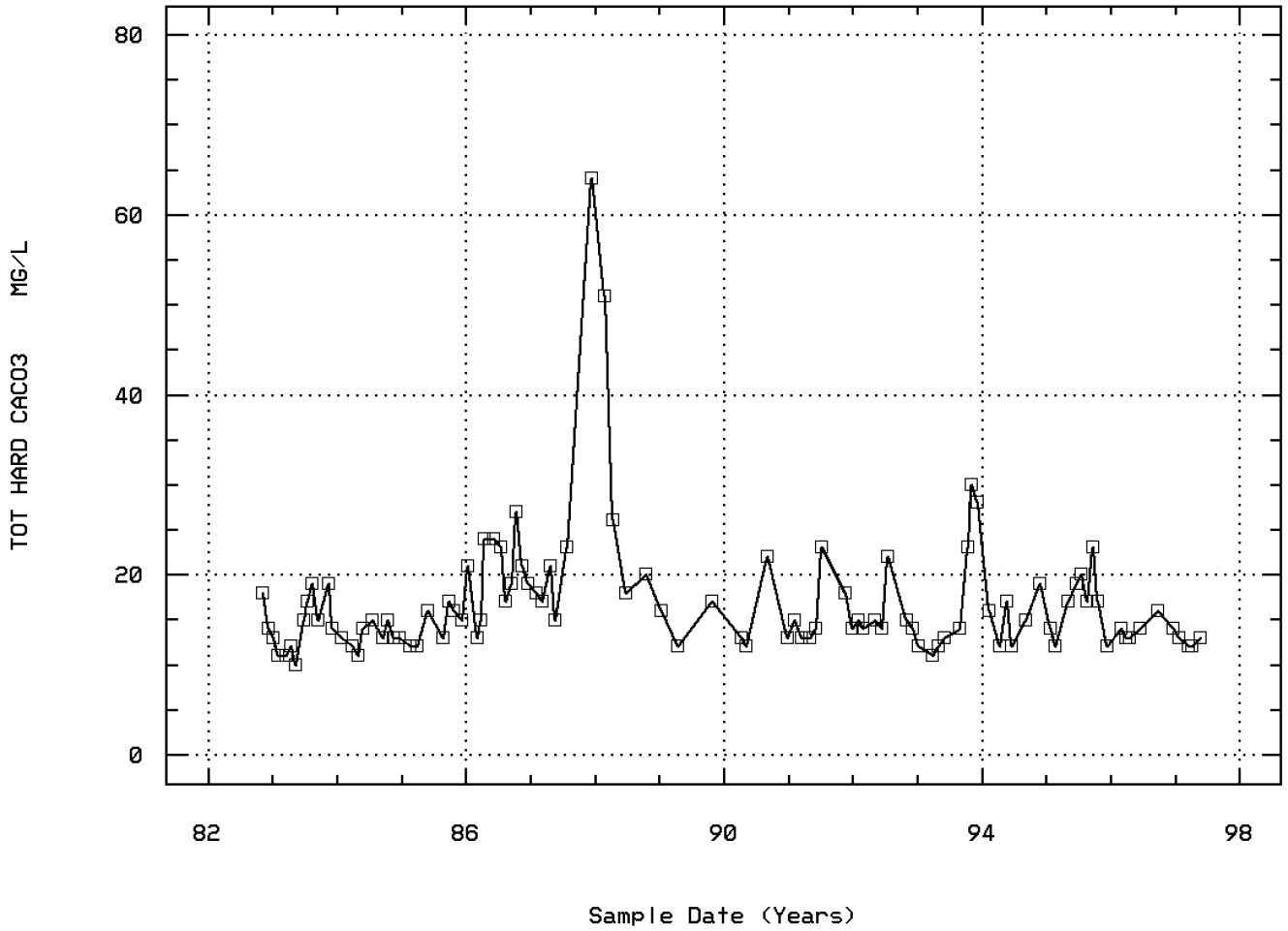
CLEAR CREEK AT LILLY BRIDGE



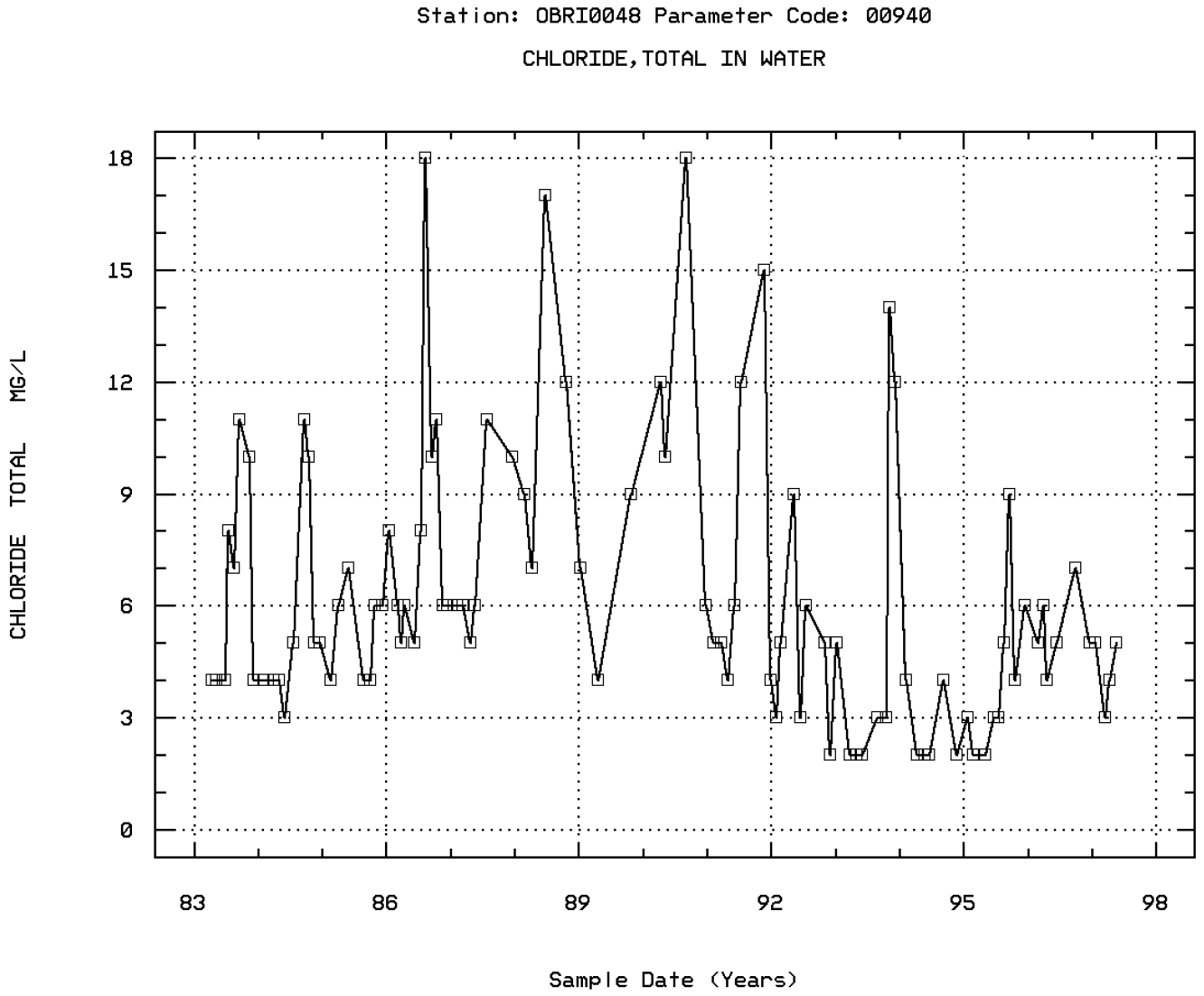
CLEAR CREEK AT LILLY BRIDGE

Station: OBRI0048 Parameter Code: 00900

HARDNESS, TOTAL (MG/L AS CACO3)



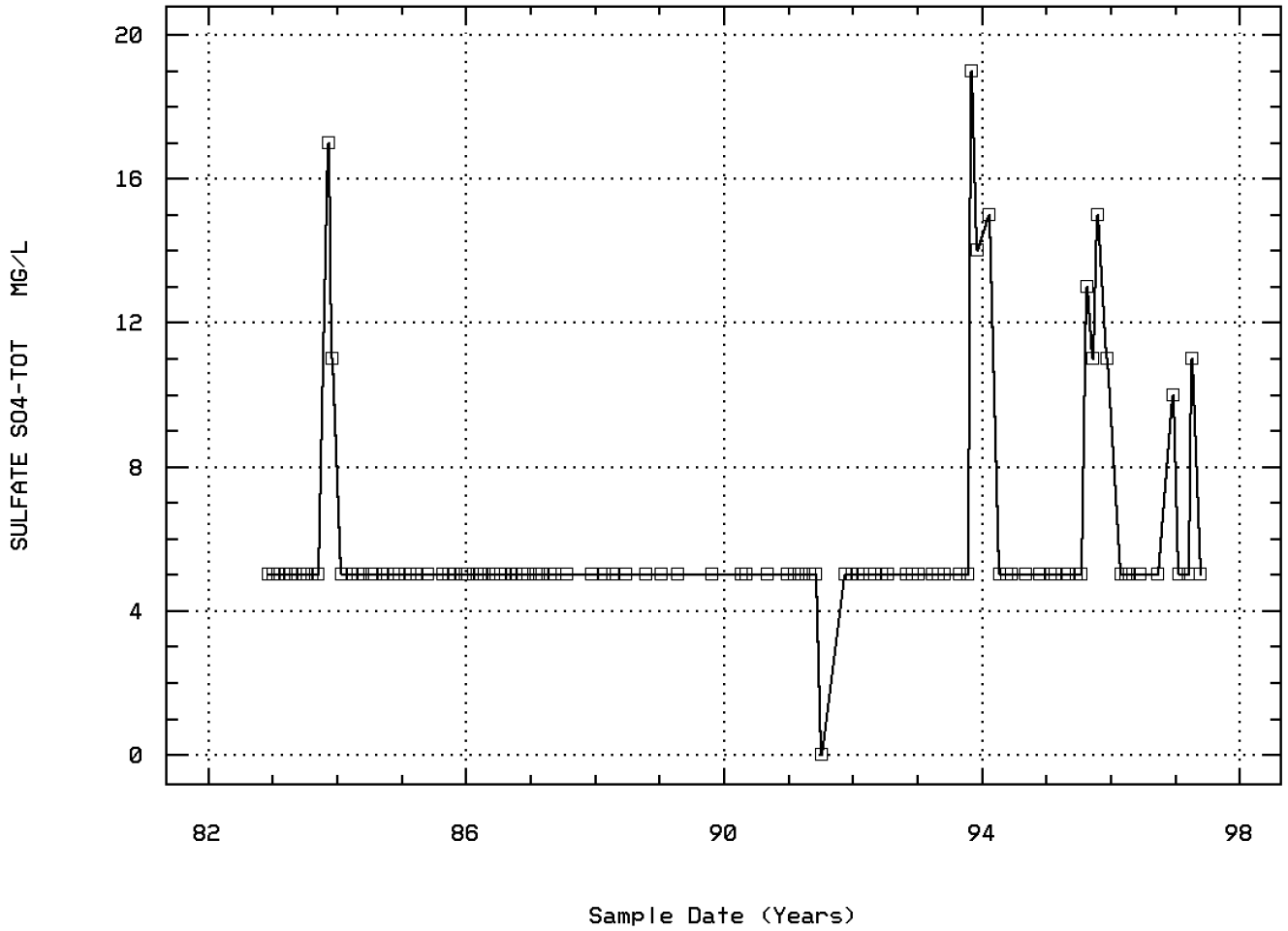
CLEAR CREEK AT LILLY BRIDGE



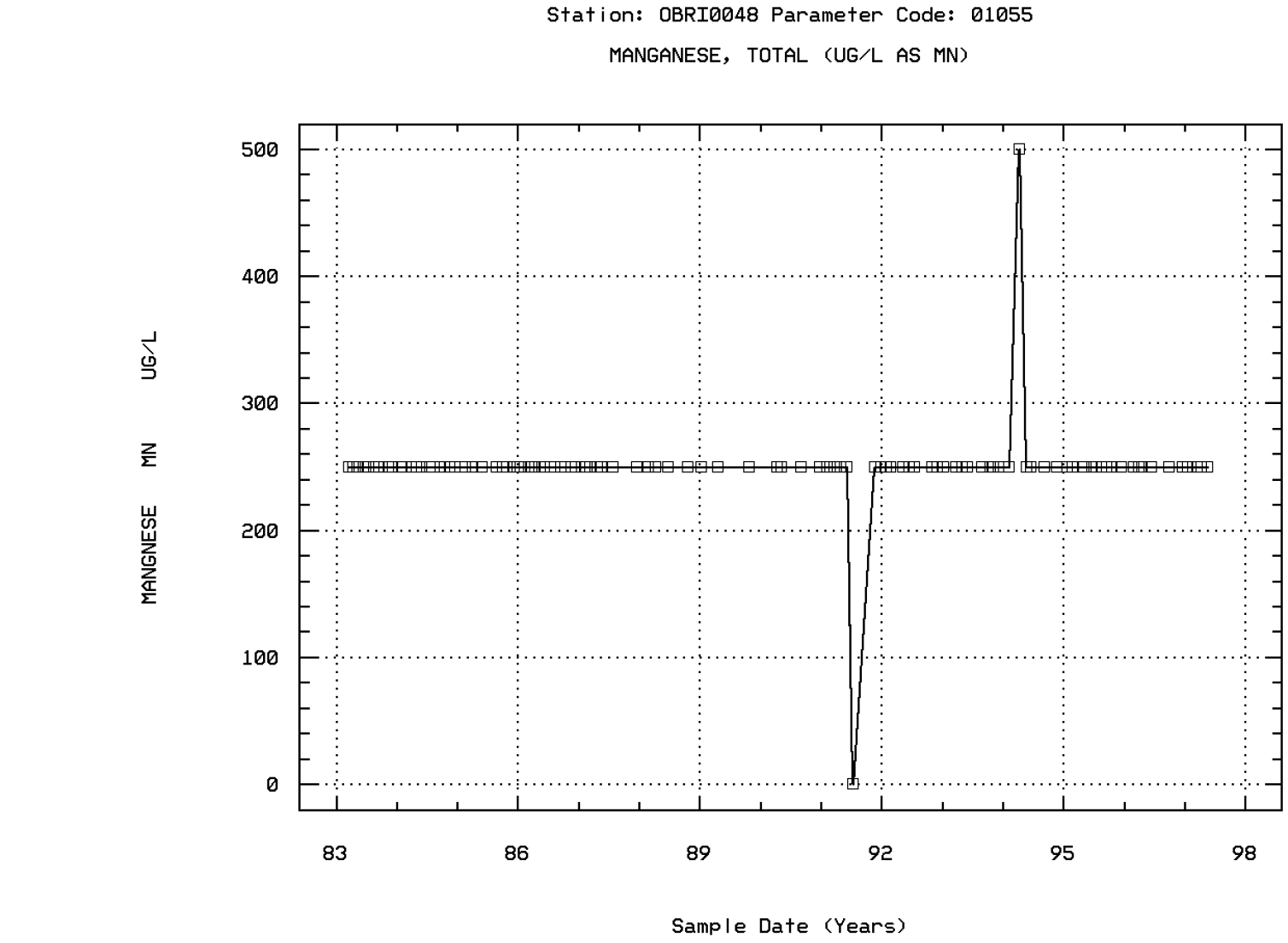
CLEAR CREEK AT LILLY BRIDGE

Station: OBRI0048 Parameter Code: 00945

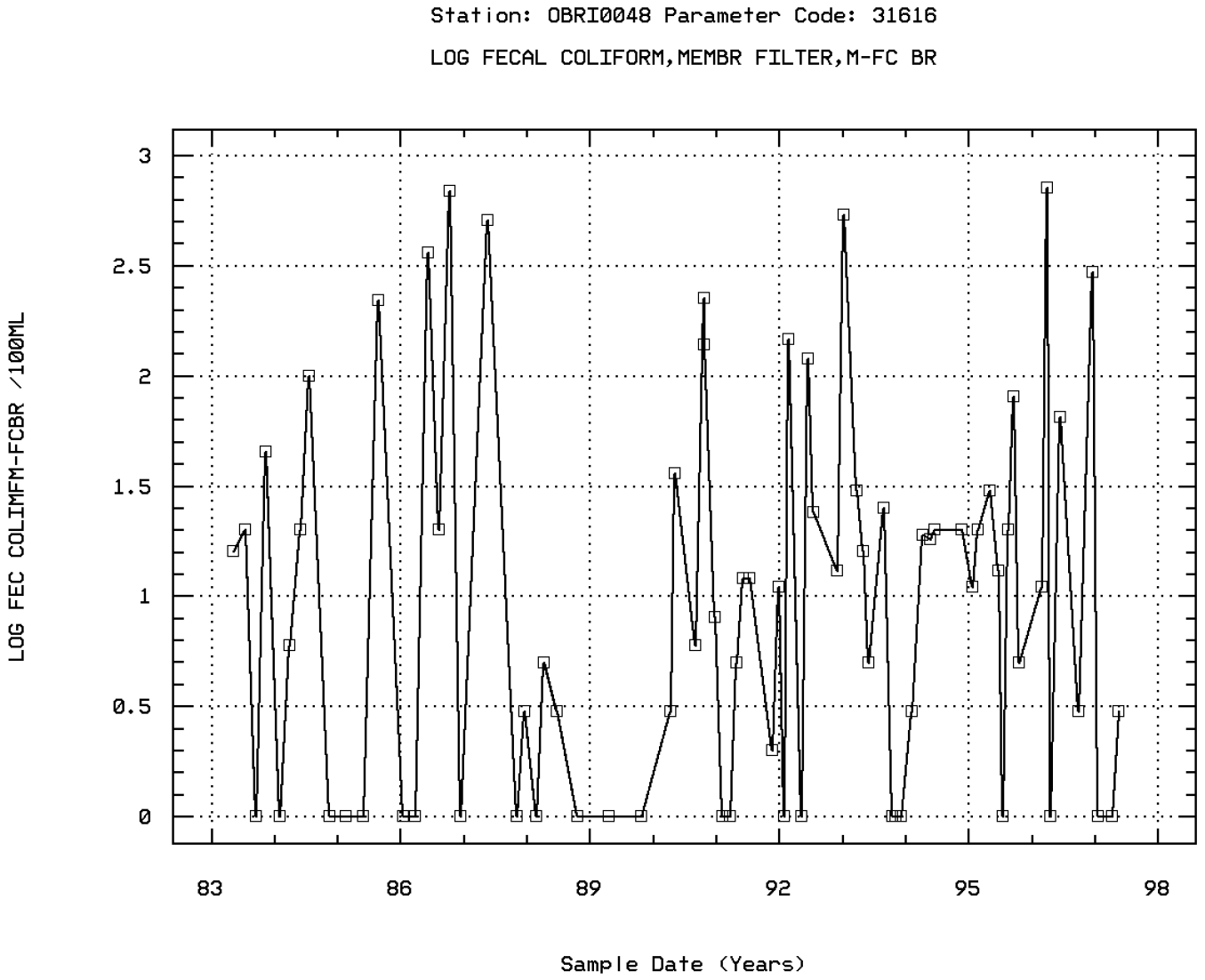
SULFATE, TOTAL (MG/L AS SO4)



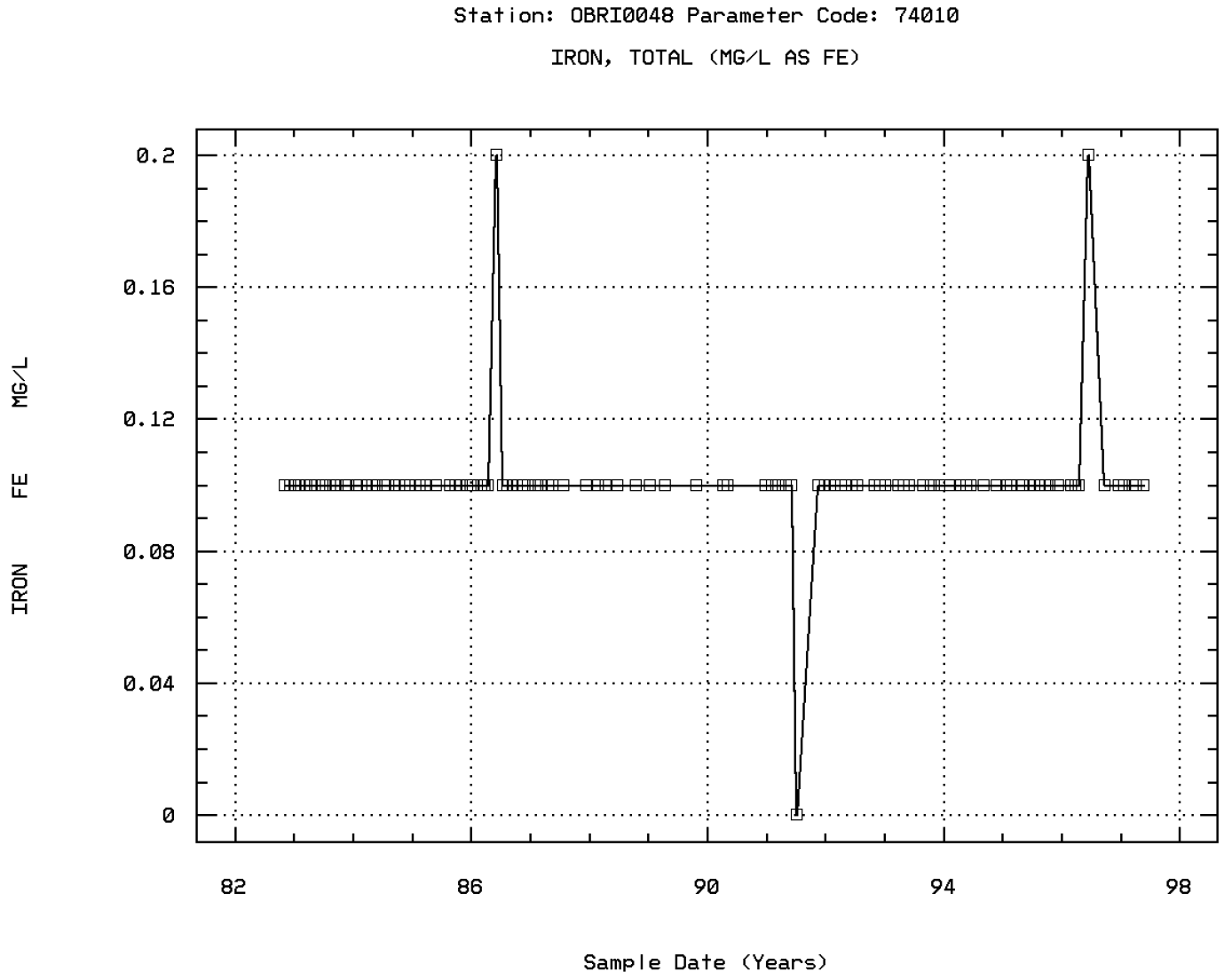
CLEAR CREEK AT LILLY BRIDGE



CLEAR CREEK AT LILLY BRIDGE



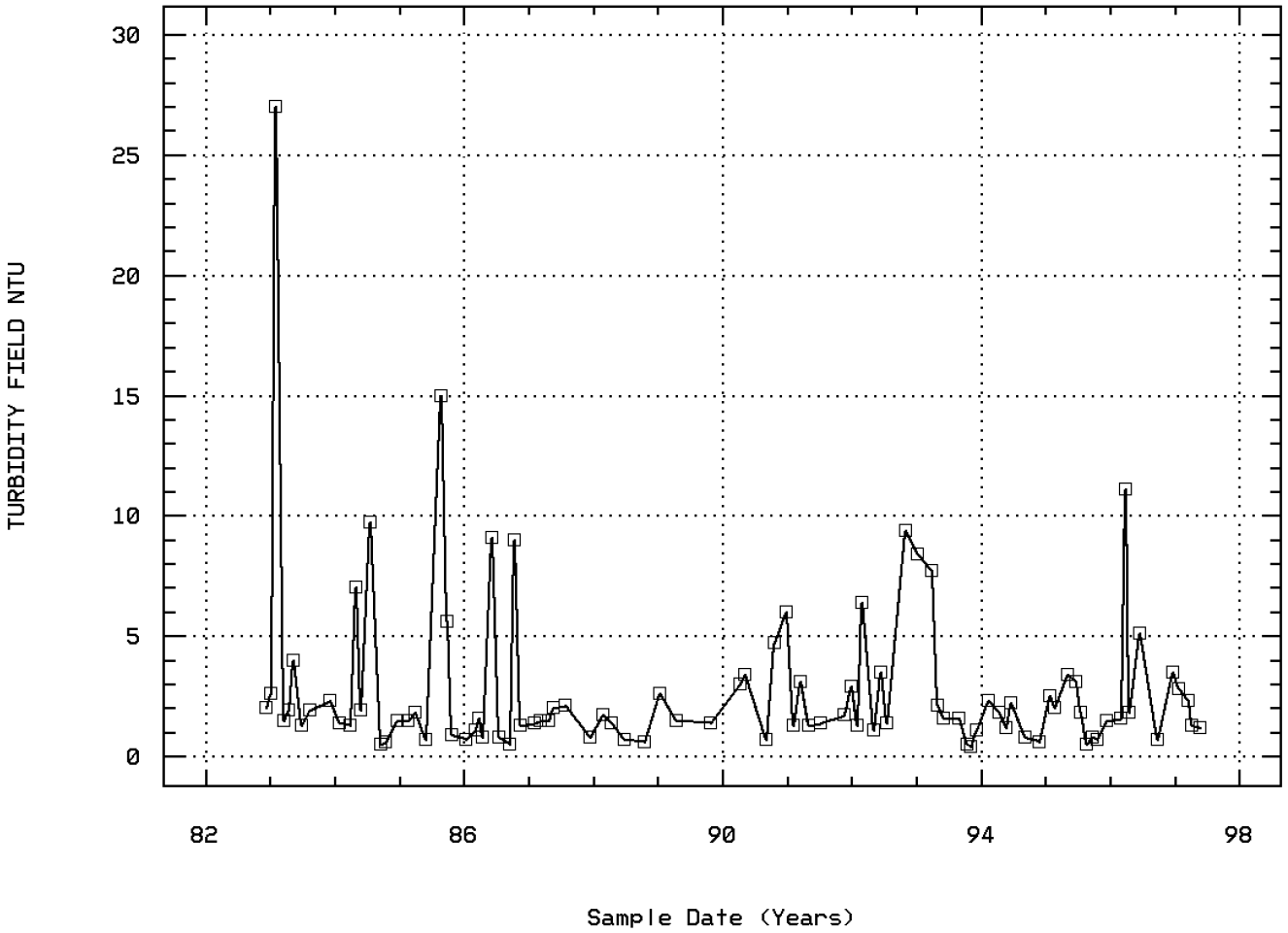
CLEAR CREEK AT LILLY BRIDGE



CLEAR CREEK AT LILLY BRIDGE

Station: OBRI0048 Parameter Code: 82078

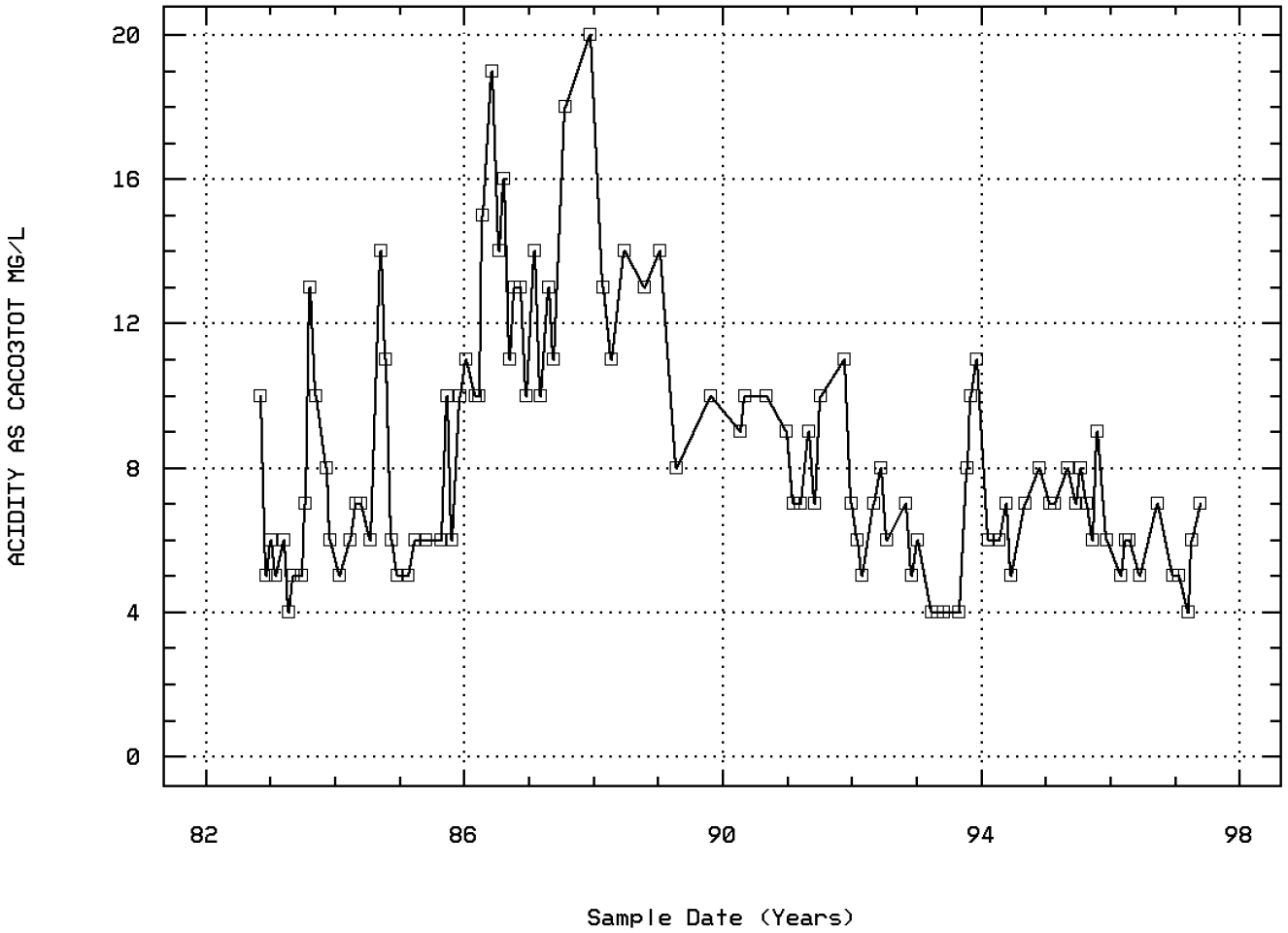
TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY



CLEAR CREEK AT LILLY BRIDGE

Station: OBRI0048 Parameter Code: 82242

ACIDITY,TOTAL AS CACO3 FIELD DATA



CLEAR CREEK AT LILLY BRIDGE

Annual Analysis for 1982 - Station OBRI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	2	9.3	9.3	10.1	8.5	1.28	1.131	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	2	52.	52.	63.	41.	242.	15.556	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	2	9.	9.	11.	7.	8.	2.828	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	2	16.	16.	18.	14.	8.	2.828	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	2	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**

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

Annual Analysis for 1983 - Station OBRI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	12	13.9	16.158	27.1	5.9	67.408	8.21	6.11	8.85	24.975	27.04
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	12	46.5	58.833	108.	20.	863.97	29.393	23.6	36.5	84.75	105.3
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	11	6.	11.727	28.	5.	72.818	8.533	5.	5.	18.	27.4
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	11	14.	14.182	19.	10.	9.964	3.157	10.2	11.	17.	19.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	11 ##	5.	6.636	17.	5.	15.055	3.88	5.	5.	5.	15.8
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	9 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	11 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	11	1.9	4.136	27.	1.	58.301	7.635	1.	1.	2.6	22.4
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	11	6.	6.818	13.	4.	6.964	2.639	4.2	5.	8.	12.4

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

Annual Analysis for 1984 - Station OBRI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	9	15.3	13.722	23.3	3.7	38.777	6.227	3.7	8.6	18.35	23.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	9	47.	56.778	100.	36.	568.944	23.853	36.	43.	74.5	100.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	7.	10.333	25.	3.	58.5	7.649	3.	5.5	16.5	25.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	13.	13.222	15.	11.	1.694	1.302	11.	12.5	14.5	15.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	9 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	9 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	9	1.4	2.767	9.7	0.5	10.665	3.266	0.5	0.8	4.45	9.7
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	9	6.	7.444	14.	5.	9.278	3.046	5.	5.5	9.	14.

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

Annual Analysis for 1985 - Station OBRI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	17.	14.514	23.1	4.6	42.635	6.53	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	45.	50.143	61.	43.	70.143	8.375	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	7.	8.143	12.	5.	6.81	2.61	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	15.	14.429	17.	12.	4.286	2.07	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	1.5	3.786	15.	0.7	27.305	5.225	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	6.	7.	10.	5.	4.333	2.082	**	**	**	**

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

Annual Analysis for 1986 - Station OBRI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	11	15.5	15.5	28.7	0.7	76.228	8.731	1.98	7.8	22.3	28.48
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	11	52.	61.727	138.	24.	948.018	30.79	27.4	42.	70.	128.6
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	11	8.	13.364	35.	6.	88.455	9.405	6.	7.	19.	32.8
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	11	21.	20.273	27.	13.	17.618	4.197	13.4	17.	24.	26.4
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	11 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	11 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	11 ##	0.1	0.109	0.2	0.1	0.001	0.03	0.1	0.1	0.1	0.18
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	11	1.	2.445	9.1	0.5	10.751	3.279	0.54	0.8	1.6	9.08
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	11	13.	12.909	19.	10.	8.491	2.914	10.	10.	15.	18.4

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

Annual Analysis for 1987 - Station OBRI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	13.	14.771	28.	5.7	78.456	8.858	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	45.	57.667	130.	36.	1293.067	35.959	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	8.5	9.5	18.	4.	27.1	5.206	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	19.5	26.333	64.	15.	348.667	18.673	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	6 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	6 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	6	1.5	1.55	2.1	0.8	0.219	0.468	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	6	13.5	14.333	20.	10.	15.467	3.933	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 OBRI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	4	13.5	15.075	29.2	4.1	108.336	10.408	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	3	75.	73.	110.	34.	1447.	38.039	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	12.5	14.75	27.	7.	86.917	9.323	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	23.	28.75	51.	18.	231.583	15.218	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	4 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	4	1.05	1.1	1.7	0.6	0.287	0.535	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	4	13.	12.75	14.	11.	1.583	1.258	**	**	**	**

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

Annual Analysis for 1989 - Station OBRI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	3	11.5	10.167	12.7	6.3	11.573	3.402	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	3	40.	38.333	40.	35.	8.333	2.887	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	3	13.	13.	17.	9.	16.	4.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	3	16.	15.	17.	12.	7.	2.646	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	3 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	3	1.5	1.833	2.6	1.4	0.443	0.666	**	**	**	**

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

Annual Analysis for 1989 - Station OBRI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	3	10.	10.667	14.	8.	9.333	3.055	**	**	**	**

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

Annual Analysis for 1990 - Station OBRI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	4	12.5	14.25	27.2	4.8	88.517	9.408	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	4	40.	50.	100.	20.	1266.667	35.59	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	12.	14.75	27.	8.	70.917	8.421	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	13.	15.	22.	12.	22.	4.69	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	4 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	5	3.4	3.56	6.	0.7	3.943	1.986	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	4	9.5	9.5	10.	9.	0.333	0.577	**	**	**	**

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

Annual Analysis for 1991 - Station OBRI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	12.9	14.529	27.	3.8	89.839	9.478	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	30.	46.429	95.	25.	855.952	29.257	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	11.	14.857	35.	8.	95.143	9.754	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	14.	15.714	23.	13.	13.238	3.638	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7 ##	5.	4.286	5.	0.	3.571	1.89	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	7 ##	250.	214.286	250.	0.	8928.571	94.491	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.086	0.1	0.	0.001	0.038	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	1.4	1.814	3.1	1.	0.701	0.838	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	7.	8.286	11.	7.	2.905	1.704	**	**	**	**

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

Annual Analysis for 1992 - Station OBRI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	11.8	13.243	26.	5.4	59.03	7.683	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	30.	32.857	50.	25.	107.143	10.351	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	10.	9.286	13.	6.	4.905	2.215	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	15.	15.571	22.	14.	8.286	2.878	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	1.4	3.443	9.4	1.	10.743	3.278	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	6.	6.286	8.	5.	1.238	1.113	**	**	**	**

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

Annual Analysis for 1993 - Station OBRI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	8	10.55	12.438	18.6	8.6	18.037	4.247	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	8	47.5	49.375	90.	20.	653.125	25.556	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	8	12.5	16.625	32.	6.	134.554	11.6	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	8	13.5	17.875	30.	11.	61.554	7.846	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	8 ##	5.	7.875	19.	5.	30.125	5.489	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	8 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	8 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	8	1.6	2.925	8.4	0.4	10.365	3.219	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	8	5.	6.375	11.	4.	8.554	2.925	**	**	**	**

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

Annual Analysis for 1994 - Station OBRI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	6	13.55	13.933	22.7	4.8	35.999	6.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	42.5	40.	50.	25.	110.	10.488	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	9.	11.5	20.	5.	36.7	6.058	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	15.5	15.167	19.	12.	7.767	2.787	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	6 ##	5.	6.667	15.	5.	16.667	4.082	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	6 ##	250.	291.667	500.	250.	10416.667	102.062	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	6 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	6	1.5	1.483	2.3	0.6	0.522	0.722	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	6	6.5	6.5	8.	5.	1.1	1.049	**	**	**	**

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

Annual Analysis for 1995 - Station OBRI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	9	17.	15.811	28.5	1.6	89.896	9.481	1.6	6.7	24.	28.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	9	50.	53.	75.	40.	87.25	9.341	40.	50.	55.	75.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	20.	19.	27.	6.	43.25	6.576	6.	14.	24.	27.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	17.	16.778	23.	12.	13.444	3.667	12.	13.	19.5	23.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	9 ##	5.	8.333	15.	5.	17.	4.123	5.	5.	12.	15.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	9 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	9 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	9	1.8	1.811	3.4	0.5	1.096	1.047	0.5	0.75	2.8	3.4
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	9	7.	7.222	9.	6.	0.944	0.972	6.	6.5	8.	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 1996 - Station OBRI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	6	11.2	13.1	22.2	6.4	42.256	6.5	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	41.	44.	63.	39.	87.6	9.359	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	9.	11.333	20.	9.	19.467	4.412	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	14.	14.	16.	13.	1.2	1.095	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	6 ##	5.	5.833	10.	5.	4.167	2.041	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	6 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	6 ##	0.1	0.117	0.2	0.1	0.002	0.041	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	6	2.65	3.967	11.1	0.7	14.671	3.83	**	**	**	**

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

Annual Analysis for 1996 - Station OBRI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	6	5.5	5.667	7.	5.	0.667	0.816	**	**	**	**

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

Annual Analysis for 1997 - Station OBRI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	4	11.25	10.625	17.4	2.6	46.909	6.849	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	4	36.	35.75	38.	33.	4.917	2.217	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	9.	8.75	11.	6.	6.917	2.63	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	12.5	12.5	13.	12.	0.333	0.577	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	4 ##	5.	6.5	11.	5.	9.	3.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	4 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	4	1.8	1.9	2.8	1.2	0.607	0.779	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	4	5.5	5.5	7.	4.	1.667	1.291	**	**	**	**

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station OBRI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	22	23.95	23.373	28.7	16.2	17.169	4.144	17.03	19.55	27.125	28.35
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	22	68.5	73.	138.	45.	551.905	23.493	50.	54.5	88.	105.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	21	7.7	7.648	9.3	3.5	1.471	1.213	6.44	7.3	8.4	8.96
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	16	7.	7.019	7.7	6.4	0.204	0.452	6.4	6.625	7.45	7.7
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	16	6.989	6.825	7.7	6.4	0.244	0.494	6.4	6.625	7.45	7.7
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	16	0.103	0.15	0.398	0.02	0.017	0.132	0.02	0.036	0.238	0.398
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	21	18.	19.238	35.	7.	41.49	6.441	12.	15.	23.	27.8
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	21	17.	18.571	27.	13.	15.657	3.957	13.2	15.	22.5	23.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	21	8.	8.333	18.	3.	18.833	4.34	3.2	4.5	11.	16.8
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	21 ##	5.	5.429	13.	0.	6.057	2.461	5.	5.	5.	9.8
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	21 ##	250.	238.095	250.	0.	2976.19	54.554	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	15	20.	82.	690.	0.	31623.571	177.83	0.	6.	80.	408.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	15	1.301	1.273	2.839	0.	0.627	0.792	0.	0.778	1.903	2.541
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18.765								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	13	780.	3571.308	18800.	80.	36588497.231	6048.843	84.	155.	6090.	15840.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	13	2.892	2.903	4.274	1.903	0.655	0.81	1.924	2.161	3.587	4.187
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			800.615								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	20 ##	0.1	0.095	0.1	0.	0.	0.022	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	21	1.	2.752	15.	0.5	14.838	3.852	0.5	0.75	2.	9.56
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	21	10.	9.667	18.	4.	14.433	3.799	6.	6.5	13.	15.6

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

Seasonal Analysis for Season #2: 10/15 to 3/14 - Station OBRI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	47	7.8	8.385	19.2	0.7	15.939	3.992	3.78	5.7	11.5	13.36
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	46	41.	47.63	130.	20.	558.994	23.643	25.	33.	52.	91.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	45	11.1	11.113	13.4	8.9	1.244	1.115	9.2	10.35	11.9	12.52
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	43	7.	6.884	7.5	4.8	0.205	0.452	6.3	6.8	7.1	7.3
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	43	7.	6.282	7.5	4.8	0.576	0.759	6.3	6.8	7.1	7.3
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	43	0.1	0.523	15.849	0.032	5.75	2.398	0.05	0.079	0.158	0.501
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	45	8.	11.778	35.	3.	66.222	8.138	5.	6.	15.	26.2
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	45	15.	17.889	64.	11.	92.146	9.599	12.	13.	18.5	25.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	41	5.	6.195	15.	2.	9.861	3.14	3.	4.	7.5	11.6
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	44 ##	5.	6.636	19.	5.	13.958	3.736	5.	5.	5.	14.5
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	41 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	35	3.	43.629	536.	0.	11841.534	108.819	0.	0.	13.	178.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	35	0.477	0.749	2.729	0.	0.712	0.844	0.	0.	1.114	2.242
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.608								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	32	31.5	284.594	2600.	0.	434937.281	659.498	0.	3.25	142.75	1522.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	32	1.489	1.472	3.415	0.	1.087	1.043	0.	0.508	2.155	3.114
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			29.681								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	45 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	46	1.45	2.62	27.	0.4	17.306	4.16	0.6	1.	2.525	6.12
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	45	7.	8.356	20.	5.	10.871	3.297	5.	6.	10.	13.

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	37	15.1	15.997	29.2	7.4	29.344	5.417	9.06	12.15	19.	24.58
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	36	40.	41.889	110.	20.	214.102	14.632	30.	33.5	46.5	53.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	35	9.8	9.771	12.	7.	1.43	1.196	8.2	8.9	10.6	11.44

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	37	7.	7.	7.5	6.4	0.084	0.291	6.58	6.75	7.2	7.4
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	37	7.	6.901	7.5	6.4	0.094	0.307	6.58	6.75	7.2	7.4
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	37	0.1	0.125	0.398	0.032	0.009	0.092	0.04	0.063	0.179	0.264
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	38	9.	9.711	27.	5.	25.725	5.072	5.9	6.	11.	14.1
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	38	13.	14.526	26.	10.	14.58	3.818	11.	12.	15.25	21.3
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	37	4.	4.973	17.	2.	9.305	3.05	2.	3.	6.	9.2
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	38 ##	5.	5.158	11.	5.	0.947	0.973	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	38 ##	250.	256.579	500.	250.	1644.737	40.555	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	31	12.	65.645	713.	0.	26122.57	161.625	0.	3.	30.	312.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	31	1.079	1.018	2.853	0.	0.664	0.815	0.	0.477	1.477	2.461
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.424								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	28	68.5	223.25	2400.	0.	220351.676	469.416	1.8	5.5	220.	579.5
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	28	1.836	1.605	3.38	0.	0.894	0.945	0.271	0.702	2.342	2.763
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			40.27								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	38 ##	0.1	0.105	0.2	0.1	0.001	0.023	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	38	1.8	2.692	11.1	0.7	5.602	2.367	0.98	1.3	3.175	7.07
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	38	7.	7.605	19.	4.	11.056	3.325	4.	5.75	9.	13.1

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

Station Inventory for Station: OBRI0049

NPS Station ID: OBRI0049
LAT/LON: 36.102032/ -84.717031
Agency: 11NPSWRD
Date Created: 07/04/98
Location: CLEAR CREEK NEAR LILLY BRIDGE
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_NPS_C4
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE LANCING TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS INSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT CLEAR CREEK NEAR LILLY BRIDGE AT STREAM MILE 1.5. DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSEE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/79-09/30/80	5	16.	14.8	25.	3.	93.2	9.654	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	11/16/79-09/30/80	5	25.	17.6	28.	-4.	187.3	13.686	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/16/79-09/30/80	5	31.	43.6	104.	22.	1164.3	34.122	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/16/79-09/30/80	4	10.	10.2	13.	7.8	7.787	2.79	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/16/79-09/30/80	5	6.3	6.16	6.6	5.6	0.163	0.404	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/16/79-09/30/80	5	6.3	6.007	6.6	5.6	0.192	0.439	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/16/79-09/30/80	5	0.501	0.984	2.512	0.251	0.881	0.939	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	5	7.	13.	41.	4.	246.5	15.7	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/03/80-09/30/80	2 ##	5.5	5.5	11.	0.	60.5	7.778	**	**	**	**
00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	11/16/79-09/30/80	5	0.05	0.225	0.6	0.025	0.068	0.261	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/79-06/07/80	4 ##	0.05	0.188	0.6	0.05	0.076	0.275	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/16/79-09/30/80	5	0.02	0.018	0.025	0.01	0.	0.008	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/80-06/08/80	1 ##	0.375	0.375	0.375	0.375	0.	0.	**	**	**	**
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	02/29/80-09/30/80	3 ##	0.025	0.03	0.04	0.025	0.	0.009	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	5	12.	11.4	15.	6.	10.8	3.286	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/08/80-06/08/80	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/08/80-06/08/80	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	06/08/80-06/08/80	1	1.76	1.76	1.76	1.76	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	06/08/80-06/08/80	1 ##	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**

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

Parameter Inventory for Station: OBRI0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	11/16/79-09/30/80	5	5.	4.6	7.	2.	4.3	2.074	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	06/08/80-06/08/80	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/80-06/08/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/16/79-09/30/80	6 ##	8.	23.	100.	1.	1490.8	38.611	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	06/08/80-06/08/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/16/79-09/30/80	6 ##	2.5	9.167	35.	2.5	169.167	13.006	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/16/79-09/30/80	6	120.	113.583	220.	1.5	6439.042	80.244	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	02/29/80-09/30/80	5 ##	5.	354.	1750.	5.	609005.	780.388	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/16/79-06/08/80	2	25.	25.	30.	20.	50.	7.071	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/08/80-06/08/80	1 ##	30.	30.	30.	30.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/16/79-06/08/80	4 ##	80.25	102.75	250.	0.5	15290.083	123.653	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/16/79-09/30/80	6	575.	708.333	1850.	140.	409656.667	640.044	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	11/16/79-09/30/80	4	4.9	6.725	17.	0.1	63.803	7.988	**	**	**	**
31611	FECAL COLIFORM, MF, M-TEC #/100ML	11/16/79-11/16/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31611	LOG FECAL COLIFORM, MF, M-TEC #/1	11/16/79-11/16/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31611	GM FECAL COLIFORM, MF, M-TEC #/10	GEOMETRIC MEAN =			1.								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/16/79-09/30/80	4	0.	0.25	1.	0.	0.25	0.5	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/16/79-09/30/80	4	0.	0.	0.	0.	0.	0.	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	2	1.	1.	2.	0.	2.	1.414	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	2	0.151	0.151	0.301	0.	0.045	0.213	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.414								
38745	2,4-DB WATER, TOTUG/L	06/08/80-06/08/80	1 ##	1.95	1.95	1.95	1.95	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39755	MIREX, TOTAL (UG/L)	06/08/80-06/08/80	1 ##	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	11/16/79-09/30/80	4 ##	0.05	0.063	0.1	0.05	0.001	0.025	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11/16/79-11/16/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/07/80-09/30/80	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/28/79-09/30/80	6	2.5	5.167	20.	1.	53.367	7.305	**	**	**	**
82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	02/29/80-06/07/80	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0049

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	4	0.80	1	1	1.00	2	1	0.50	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	1	1.00							1	1	1.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	6	1	0.17	1	0	0.00	2	1	0.50	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5 &	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	1300.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	4 &	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	15.	4 &	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3 &	1	0.33				2	1	0.50	1	0	0.00			
		Drinking Water	5000.	4	0	0.00				2	0	0.00	2	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00							1	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00							1	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00							1	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00							1	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00							1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00							1	0	0.00			
		Drinking Water	3.	1	0	0.00							1	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.4	1	0	0.00							1	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00							1	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	1	0	0.00							1	0	0.00			
39720	PICLORAM IN WHOLE WATER SAMPLE	Drinking Water	500.	1	0	0.00							1	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00							1	0	0.00			
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00				1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	2.	2	0	0.00	1	0	0.00				1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	6	0	0.00	1	0	0.00	3	0	0.00	2	0	0.00			

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

Station Inventory for Station: OBRI0050

NPS Station ID: OBRI0050
LAT/LON: 36.101949/ -84.716948
Agency: 112WRD
Date Created: / /
Location: CLEAR C AT HOWARD MILL, TENN.
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03539780
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208008
RF1 Mile Point: 1.210
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 06010208000801.47
RF3 Mile Point: 3.47
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/65-10/06/65	2	19.7	19.7	23.3	16.1	25.92	5.091	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	05/22/65-10/06/65	2	55.	55.	90.	20.	2450.	49.497	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/22/65-10/06/65	2	55.	55.	90.	20.	2450.	49.497	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/22/65-10/06/65	2	3.5	3.5	6.	1.	12.5	3.536	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/22/65-10/06/65	2	38.	38.	46.	30.	128.	11.314	**	**	**	**
00400	PH (STANDARD UNITS)	05/22/65-10/06/65	2	6.75	6.75	6.9	6.6	0.045	0.212	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/22/65-10/06/65	2	6.725	6.725	6.9	6.6	0.046	0.215	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/22/65-10/06/65	2	0.189	0.189	0.251	0.126	0.008	0.089	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	05/22/65-10/06/65	2	2.8	2.8	3.6	2.	1.28	1.131	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/22/65-10/06/65	2	7.5	7.5	8.	7.	0.5	0.707	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	05/22/65-10/06/65	2	9.5	9.5	10.	9.	0.5	0.707	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	05/22/65-10/06/65	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/22/65-10/06/65	2	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	05/22/65-10/06/65	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/22/65-10/06/65	2	12.5	12.5	15.	10.	12.5	3.536	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/22/65-10/06/65	2	5.	5.	8.	2.	18.	4.243	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/22/65-10/06/65	2	1.35	1.35	2.	0.7	0.845	0.919	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/22/65-10/06/65	2	9.	9.	12.	6.	18.	4.243	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/22/65-10/06/65	2	110.	110.	160.	60.	5000.	70.711	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/22/65-10/06/65	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/22/65-10/06/65	2	100.	100.	200.	0.	20000.	141.421	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/22/65-10/06/65	2 ##	102.5	102.5	200.	5.	19012.5	137.886	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	05/22/65-10/06/65	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0050

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	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			
00618	NITRATE NITROGEN, DISSOLVED 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			

& - 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: OBRI0050

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00				1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00	1	0	0.00				1	0	0.00			

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

Station Inventory for Station: OBRI0051

NPS Station ID: OBRI0051
LAT/LON: 36.101949/ -84.717227
Agency: 131TVAC
Date Created: / /
Location:
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475146 /3581
RMI-Indexes: 1021500 007720 00920 7930 0250 1010 0160
Within Park Boundary: Yes
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 004.43 01.54
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: CLINCH RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: CLEAR CREEK 1.54
ECO Region:
RF1 Index: 06010208008
RF1 Mile Point: 1.210
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 06010208000602.52
RF3 Mile Point: 8.75
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-04/23/68	13	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-04/23/68	13	15.	14.285	26.1	0.5	54.843	7.406	2.42	8.	19.95	25.06
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/28/67-04/23/68	12	163.	428.167	2300.	49.	416857.424	645.645	49.3	56.5	595.	1868.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/28/67-04/23/68	8	8.	12.75	40.	1.	177.357	13.318	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-04/23/68	9	10.	12.5	30.	2.5	68.75	8.292	2.5	7.5	17.5	30.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/67-04/23/68	9	49.	44.	67.	25.	210.75	14.517	25.	30.	55.	67.
00300	OXYGEN, DISSOLVED MG/L	06/23/67-04/23/68	13	9.4	10.038	14.1	7.5	3.469	1.863	7.98	8.8	11.35	13.62
00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-04/01/96	10 ##	0.5	1.38	4.5	0.5	2.2	1.483	0.5	0.5	2.85	4.35
00335	COD, .025N K2CR2O7 MG/L	06/23/67-04/01/96	10	8.	8.	10.	6.	1.778	1.333	6.1	7.	9.25	10.
00400	PH (STANDARD UNITS)	06/23/67-04/23/68	12	7.05	7.05	8.2	6.4	0.217	0.466	6.46	6.7	7.25	7.96
00400	CONVERTED PH (STANDARD UNITS)	06/23/67-04/23/68	12	7.047	6.88	8.2	6.4	0.249	0.499	6.46	6.7	7.25	7.96
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/67-04/23/68	12	0.09	0.132	0.398	0.006	0.012	0.111	0.016	0.057	0.2	0.354
00403	PH, LAB, STANDARD UNITS SU	04/01/96-04/01/96	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/01/96-04/01/96	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/01/96-04/01/96	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/23/67-04/01/96	14	5.	6.143	16.	3.	10.44	3.231	3.	4.75	7.25	12.
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/23/67-04/23/68	13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00435	ACIDITY, TOTAL (MG/L AS CACO3)	04/01/96-04/01/96	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/23/67-02/14/68	6	50.	63.333	120.	40.	1026.667	32.042	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/23/67-02/14/68	6	35.	48.333	100.	30.	776.667	27.869	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/01/96-04/01/96	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/67-04/01/96	10	0.2	0.295	1.4	0.005	0.162	0.402	0.013	0.095	0.258	1.3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/67-04/01/96	10 ##	0.005	0.013	0.04	0.005	0.	0.013	0.005	0.005	0.023	0.039
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/23/67-04/23/68	9	0.01	0.012	0.03	0.005	0.	0.008	0.005	0.008	0.015	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/23/67-04/23/68	9	0.03	0.052	0.18	0.005	0.004	0.059	0.005	0.005	0.09	0.18
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/01/96-04/01/96	1	0.24	0.24	0.24	0.24	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/67-04/01/96	10	0.016	0.022	0.07	0.002	0.	0.02	0.002	0.007	0.032	0.067
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/67-02/14/68	8	0.015	0.013	0.029	0.002	0.	0.011	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	04/01/96-04/01/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00745	SULFIDE, TOTAL (MG/L AS S)	04/01/96-04/01/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/23/67-04/01/96	13	2.	2.215	3.8	0.5	1.053	1.026	0.5	1.75	3.	3.68
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/67-04/01/96	13	1.	1.115	2.	0.5	0.173	0.416	0.5	1.	1.5	1.8
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-04/23/68	8	0.9	0.913	1.7	0.4	0.17	0.412	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-04/23/68	9	1.1	1.522	3.2	0.6	0.789	0.889	0.6	0.85	2.3	3.2
00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-04/01/96	14	3.	3.	5.	1.	1.846	1.359	1.	2.	4.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-04/01/96	14	7.5	9.143	16.	4.	17.209	4.148	4.	6.5	13.5	15.5
00951	FLUORIDE, TOTAL (MG/L AS F)	04/01/96-04/01/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-04/23/68	9	3.5	3.356	4.6	1.5	0.903	0.95	1.5	2.75	4.15	4.6

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

Parameter Inventory for Station: OBRI0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01002	ARSENIC, TOTAL (UG/L AS AS)	04/01/96-04/01/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	04/01/96-04/01/96	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	04/01/96-04/01/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/01/96-04/01/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/01/96-04/01/96	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/01/96-04/01/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	04/01/96-04/01/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/23/67-04/01/96	9 ##	5.	40.056	160.	0.5	3957.528	62.909	0.5	5.	80.	160.
01045	IRON, TOTAL (UG/L AS FE)	06/23/67-04/01/96	13	260.	380.769	810.	110.	62174.359	249.348	114.	180.	640.	774.
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/67-02/14/68	11	80.	76.364	130.	25.	940.455	30.667	25.	70.	100.	124.
01047	IRON, FERROUS (UG/L AS FE)	08/16/67-04/23/68	11 ##	25.	45.	220.	25.	3425.	58.523	25.	25.	25.	186.
01049	LEAD, DISSOLVED (UG/L AS PB)	04/01/96-04/01/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/01/96-04/01/96	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/67-04/01/96	9	27.	53.	200.	20.	3393.5	58.254	20.	20.	65.	200.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/67-02/14/68	7	20.	19.286	40.	5.	153.571	12.392	**	**	**	**
01057	THALLIUM, DISSOLVED (UG/L AS TL)	04/01/96-04/01/96	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	04/01/96-04/01/96	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	04/01/96-04/01/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/01/96-04/01/96	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	04/01/96-04/01/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	04/01/96-04/01/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/67-04/01/96	10	55.	57.5	160.	5.	2140.278	46.263	5.5	17.5	77.5	154.
01097	ANTIMONY, TOTAL (UG/L AS SB)	04/01/96-04/01/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/01/96-04/01/96	1	830.	830.	830.	830.	0.	0.	**	**	**	**
01142	SILICON, TOTAL (UG/L AS SI)	04/01/96-04/01/96	1	1700.	1700.	1700.	1700.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	04/01/96-04/01/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/23/67-04/23/68	10	490.	842.1	3600.	36.	1127188.544	1061.691	37.9	96.25	1100.	3350.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/23/67-04/23/68	10	2.674	2.59	3.556	1.556	0.409	0.64	1.575	1.966	3.041	3.505
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			388.93								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/23/68	10	14.5	117.	620.	1.	43287.556	208.057	1.	4.	160.5	594.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/23/68	10	1.07	1.26	2.792	0.	0.979	0.99	0.	0.524	2.119	2.769
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			18.197								
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34200	ACENAPHTHYLENE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34205	ACENAPHTHENE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34210	ACROLEIN TOTWUG/L	04/01/96-04/01/96	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
34215	ACRYLONITRILE TOTWUG/L	04/01/96-04/01/96	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
34220	ANTHRACENE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34247	BENZO-A-PYRENE TOTWUG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34320	CHRYSENE TOTWUG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34336	DIETHYL PHTHALATE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34341	DIMETHYL PHTHALATE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
34366	ENDRIN ALDEHYDE TOTWUG/L	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	04/01/96-04/01/96	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

Parameter Inventory for Station: OBRI0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34376	FLUORANTHENE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34381	FLUORENE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	04/01/96-04/01/96	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
34396	HEXACHLOROETHANE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34408	ISOPHORONE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34418	METHYL CHLORIDE TOTWUG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34433	N-NITROSODIPHENYLAMINE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34447	NITROBENZENE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34452	PARACHLOROMETA CRESOL TOTWUG/L	04/01/96-04/01/96	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
34461	PHENANTHRENE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34469	PYRENE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34531	1,2-DICHLOROETHANE TOTWUG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34581	2-CHLORONAPHTHALENE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34586	2-CHLOROPHENOL TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34591	2-NITROPHENOL TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34596	DI-N-OCTYL PHTHALATE TOTWUG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34601	2,4-DICHLOROPHENOL TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34606	2,4-DIMETHYLPHENOL TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34611	2,4-DINITROTOLUENE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34616	2,4-DINITROPHENOL TOTWUG/L	04/01/96-04/01/96	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	04/01/96-04/01/96	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
34626	2,6-DINITROTOLUENE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	04/01/96-04/01/96	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34646	4-NITROPHENOL TOTWUG/L	04/01/96-04/01/96	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	04/01/96-04/01/96	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
34671	PCB - 1016 TOTWUG/L	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34696	NAPHTHALENE TOTWUG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34699	TRANS-1,3-DICHLOROPROPENETOTAL IN WATER UG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	04/01/96-04/01/96	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	04/01/96-04/01/96	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	04/01/96-04/01/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**

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

Parameter Inventory for Station: OBRI0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	04/01/96-04/01/96	1 ##	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	04/01/96-04/01/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	04/01/96-04/01/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/23/67-04/01/96	13	10.	10.385	18.	3.	14.09	3.754	4.2	9.	13.	16.4
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/01/96-04/01/96	1	20.	20.	20.	20.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/01/96-04/01/96	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/01/96-04/01/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
81551	XYLENE WHL WATER SMPL UG/L	04/01/96-04/01/96	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: OBRI0051

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	8	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	13	0	0.00	5	0	0.00	6	0	0.00	2	0	0.00			
00400	PH	Fresh Chronic	9.	12	0	0.00	5	0	0.00	5	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	12	1	0.08	5	1	0.20	5	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			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	9	0	0.00	3	0	0.00	4	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			
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.	14	0	0.00	5	0	0.00	6	0	0.00	3	0	0.00			
		Drinking Water	250.	14	0	0.00	5	0	0.00	6	0	0.00	3	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	14	0	0.00	5	0	0.00	6	0	0.00	3	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00							1	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00							1	0	0.00			
		Drinking Water	4.	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			
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.	9	4	0.44	3	1	0.33	3	1	0.33	3	2	0.67			
		Drinking Water	1300.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			

& - 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: OBRI0051

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01057	THALLIUM, DISSOLVED	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	2.	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			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
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.	10	1	0.10	3	0	0.00	4	1	0.25	3	0	0.00			
		Drinking Water	5000.	10	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00			
01097	ANTIMONY, TOTAL	Fresh Acute	88.	1	0	0.00							1	0	0.00			
		Drinking Water	6.	1	0	0.00							1	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	10	4	0.40	3	1	0.33	5	3	0.60	2	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	10	2	0.20	3	2	0.67	5	0	0.00	2	0	0.00			
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	0 &	0	0.00												
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32105	DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00							1	0	0.00			
		Drinking Water	1000.	1	0	0.00							1	0	0.00			
34205	ACENAPHTHENE, TOTAL	Fresh Acute	1700.	1	0	0.00							1	0	0.00			
34210	ACROLEIN, TOTAL	Fresh Acute	68.	1	0	0.00							1	0	0.00			
34215	ACRYLONITRILE, TOTAL	Fresh Acute	7550.	1	0	0.00							1	0	0.00			
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	1	0	0.00							1	0	0.00			
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			
34376	FLUORANTHENE, TOTAL	Fresh Acute	3980.	1	0	0.00							1	0	0.00			
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL	Fresh Acute	7.	0 &	0	0.00												
		Drinking Water	50.	1	0	0.00							1	0	0.00			
34396	HEXACHLOROETHANE, TOTAL	Fresh Acute	980.	1	0	0.00							1	0	0.00			
34403	IDENO (1,2,3-CD) PYRENE	Drinking Water	0.4	0 &	0	0.00												
34408	ISOPHORONE, TOTAL	Fresh Acute	117000.	1	0	0.00							1	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	0 &	0	0.00												
34447	NITROBENZENE, TOTAL	Fresh Acute	27000.	1	0	0.00							1	0	0.00			
34452	PARACHLOROMETA CRESOL, TOTAL	Fresh Acute	30.	1	0	0.00							1	0	0.00			
34461	PHENANTHRENE, TOTAL	Fresh Acute	30.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	0 &	0	0.00												
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	0 &	0	0.00												
34531	1,2-DICHLOROETHANE, TOTAL	Fresh Acute	118000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	0 &	0	0.00												

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EPA Water Quality Criteria Analysis for Station: OBRI0051

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00							1	0	0.00			
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	0 &	0	0.00												
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00							1	0	0.00			
34551	1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	70.	1	0	0.00							1	0	0.00			
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00							1	0	0.00			
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00							1	0	0.00			
34586	2-CHLOROPHENOL, TOTAL	Fresh Acute	4380.	1	0	0.00							1	0	0.00			
34601	2,4-DICHLOROPHENOL, TOTAL	Fresh Acute	2020.	1	0	0.00							1	0	0.00			
34606	2,4-DIMETHYLPHENOL, TOTAL	Fresh Acute	2120.	1	0	0.00							1	0	0.00			
34611	2,4-DINITROTOLUENE, TOTAL	Fresh Acute	330.	1	0	0.00							1	0	0.00			
34694	PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	Fresh Acute	10200.	1	0	0.00							1	0	0.00			
34696	NAPHTHALENE, TOTAL	Fresh Acute	2300.	1	0	0.00							1	0	0.00			
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	1	0	0.00							1	0	0.00			
		Drinking Water	1.	0 &	0	0.00												
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	Fresh Acute	2000.	1	0	0.00							1	0	0.00			
		Drinking Water	6.	1	0	0.00							1	0	0.00			
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	0 &	0	0.00												
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	0 &	0	0.00												
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00							1	0	0.00			
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00							1	0	0.00			
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00							1	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00							1	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00							1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	0 &	0	0.00												
		Drinking Water	3.	1	0	0.00							1	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.4	1	0	0.00							1	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	1	0	0.00							1	0	0.00			
		Drinking Water	1.	0 &	0	0.00												
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPL	Fresh Acute	90.	1	0	0.00							1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: OBRI0052

NPS Station ID: OBRI0052 LAT/LON: 36.103059/ -84.718337 Agency: 112WRD Date Created: 07/19/97
Location: CLEAR CREEK AT LILLY BRIDGE NEAR LANCING, TN FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 03539778
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/13/97-03/25/97	2	10.55	10.55	10.8	10.3	0.125	0.354	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	03/13/97-03/25/97	2	739.5	739.5	741.	738.	4.5	2.121	**	**	**	**
00065	STAGE, STREAM (FEET)	03/25/97-03/25/97	1	5.84	5.84	5.84	5.84	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/13/97-03/25/97	2	35.	35.	36.	34.	2.	1.414	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/13/97-03/25/97	2	10.85	10.85	11.	10.7	0.045	0.212	**	**	**	**
00400	PH (STANDARD UNITS)	03/13/97-03/25/97	2	6.88	6.88	6.94	6.82	0.007	0.085	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/13/97-03/25/97	2	6.876	6.876	6.94	6.82	0.007	0.085	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/13/97-03/25/97	2	0.133	0.133	0.151	0.115	0.001	0.026	**	**	**	**
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	03/13/97-03/25/97	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	03/13/97-03/25/97	2	5.5	5.5	6.	5.	0.5	0.707	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	03/13/97-03/13/97	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	03/13/97-03/13/97	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	03/13/97-03/13/97	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/13/97-03/13/97	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/13/97-03/13/97	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/13/97-03/13/97	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/13/97-03/13/97	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/13/97-03/13/97	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	03/25/97-03/25/97	1	100.	100.	100.	100.	0.	0.	**	**	**	**
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	03/25/97-03/25/97	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			100.								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	03/13/97-03/13/97	1	12.	12.	12.	12.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	03/13/97-03/13/97	1	1.079	1.079	1.079	1.079	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			12.								
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	03/13/97-03/25/97	2	4.5	4.5	5.	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: OBRI0052

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00				1	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00				1	0	0.00	1	0	0.00			

& - 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: OBRI0052

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00				1	0	0.00						
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	1	0	0.00							1	0	0.00			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: OBRI0053

NPS Station ID: OBRI0053 | LAT/LON: 36.128810/ -84.721754 | Agency: 11NPSWRD | Date Created: 07/04/98
Location: LITTLE CLEAR CREEK ABOVE LILLY BRIDGE | FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): OBRI_NPS_LCC3
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 06010208 | Depth of Water: 0 | Aquifer:
Major Basin: TENNESSEE RIVER | Elevation: 0 | Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES | ECO Region:
RF1 Index: 06010208 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 06010208000109.53 | RF3 Mile Point: 9.53 | Distance from RF3: 0.48 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE PILOT MOUNTAIN TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS OUTSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT LITTLE CLEAR CREEK A TRIBUTARY OF CLEAR CREEK; 0.2 KM UPSTREAM OF LILLY BRIDGE (STREAM MILE 2.5). DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSEE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NPS WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/80-06/22/80	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/22/80-06/22/80	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/22/80-06/22/80	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/22/80-06/22/80	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/22/80-06/22/80	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/22/80-06/22/80	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/80-06/22/80	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/22/80-06/22/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/22/80-06/22/80	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	06/22/80-06/22/80	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/22/80-06/22/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/22/80-06/22/80	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	06/22/80-06/22/80	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/22/80-06/22/80	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/22/80-06/22/80	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/22/80-06/22/80	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/22/80-06/22/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/22/80-06/22/80	1	410.	410.	410.	410.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/22/80-06/22/80	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

Parameter Inventory for Station: OBRI0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092	ZINC, TOTAL (UG/L AS ZN)	06/22/80-06/22/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/22/80-06/22/80	1	210.	210.	210.	210.	0.	0.	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	06/22/80-06/22/80	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/22/80-06/22/80	1	1.	1.	1.	1.	0.	0.	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/22/80-06/22/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/22/80-06/22/80	1	7.	7.	7.	7.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/22/80-06/22/80	1	0.845	0.845	0.845	0.845	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			7.								
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/22/80-06/22/80	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/22/80-06/22/80	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/22/80-06/22/80	1	4.	4.	4.	4.	0.	0.	**	**	**	**
82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	06/22/80-06/22/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0053

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
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			
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: OBRI0054

NPS Station ID: OBRI0054
LAT/LON: 36.119171/ -84.742505
Agency: 21TNECO
Date Created: 12/14/96
Location: CLEAR CREEK RM 4, QUAD 122SW
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): ECO68A08
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208
Depth of Water: 5
Aquifer:
Major Basin: TN RIVER
Elevation: 0
Water Body Id:
Minor Basin: CLINCH RIVER
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
AT GENESIS ROAD (HWY 298) 5 MILES WEST OF LANCING
WATERBODY # 06010208-008

Parameter Inventory for Station: OBRI0054

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/96-11/24/98	12	8.15	11.592	22.8	4.3	52.437	7.241	4.69	5.75	20.1	22.77
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/12/96-11/14/96	1	99.	99.	99.	99.	0.	0.	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/17/96-11/24/98	12	1.65	2.083	7.9	0.2	4.691	2.166	0.29	0.6	2.25	6.88
00080	COLOR (PLATINUM-COBALT UNITS)	01/27/98-11/24/98	4	10.	13.25	30.	3.	141.583	11.899	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/27/98-11/24/98	4	16.5	19.75	43.	3.	288.917	16.998	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/17/96-11/24/98	12	46.	46.25	69.	34.	120.386	10.972	34.6	36.25	51.	67.2
00300	OXYGEN, DISSOLVED MG/L	04/17/96-11/24/98	12	11.2	10.25	12.8	6.1	4.43	2.105	6.58	8.675	11.7	12.71
00400	PH (STANDARD UNITS)	04/17/96-11/24/98	9	7.1	7.146	7.71	6.79	0.076	0.276	6.79	6.965	7.315	7.71
00400	CONVERTED PH (STANDARD UNITS)	04/17/96-11/24/98	9	7.1	7.081	7.71	6.79	0.081	0.285	6.79	6.965	7.315	7.71
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/96-11/24/98	9	0.079	0.083	0.162	0.019	0.002	0.042	0.019	0.05	0.108	0.162
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/17/96-11/24/98	12	8.5	11.25	24.	6.	33.295	5.77	6.3	8.	14.	23.1
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/17/96-11/24/98	12	35.5	40.	106.	14.	642.545	25.348	15.5	21.	43.5	94.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/17/96-11/24/98	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/17/96-11/24/98	13 ##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/17/96-11/24/98	13	0.13	0.123	0.3	0.02	0.009	0.096	0.02	0.02	0.17	0.292
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	04/17/96-08/18/98	12 ##	0.05	0.075	0.3	0.05	0.005	0.072	0.05	0.05	0.05	0.24
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/96-08/18/98	12	0.006	0.044	0.29	0.002	0.007	0.086	0.002	0.003	0.049	0.242
00690	CARBON, TOTAL (MG/L AS C)	04/17/96-08/18/98	12	2.45	2.233	2.9	0.5	0.481	0.693	0.86	1.75	2.775	2.9
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	04/17/96-04/17/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/96-11/24/98	12	19.5	30.167	171.	9.	1982.515	44.525	10.2	14.25	21.	126.3
00910	CALCIUM (MG/L AS CACO3)	04/17/96-08/28/97	2 ##	1.8	1.8	3.1	0.5	3.38	1.838	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/17/96-04/17/96	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/12/96-11/24/98	3	8.	7.333	8.	6.	1.333	1.155	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	04/17/96-11/24/98	13 ##	0.5	0.692	3.	0.5	0.481	0.693	0.5	0.5	0.5	2.
01027	CADMIUM, TOTAL (UG/L AS CD)	04/17/96-11/24/98	13 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/17/96-11/24/98	13 ##	0.5	0.615	2.	0.5	0.173	0.416	0.5	0.5	0.5	1.4
01042	COPPER, TOTAL (UG/L AS CU)	04/17/96-11/24/98	13 ##	0.5	1.231	5.	0.5	1.859	1.363	0.5	0.5	1.5	4.2
01045	IRON, TOTAL (UG/L AS FE)	04/17/96-11/24/98	13	105.	126.846	260.	35.	5478.474	74.017	35.4	77.	174.	259.6
01051	LEAD, TOTAL (UG/L AS PB)	04/17/96-11/24/98	13 ##	0.5	0.577	1.	0.5	0.035	0.188	0.5	0.5	0.5	1.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/17/96-11/24/98	13	10.	13.5	34.	2.5	111.667	10.567	3.5	5.5	21.	33.6
01067	NICKEL, TOTAL (UG/L AS NI)	04/17/96-04/17/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/17/96-11/24/98	13	2.	3.038	9.	0.5	5.436	2.332	0.7	1.5	4.5	7.4
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/17/96-11/24/98	12	10.	54.333	290.	2.	8566.424	92.555	2.	2.5	55.	262.4
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/17/96-11/24/98	12	0.991	1.142	2.462	0.301	0.597	0.773	0.301	0.376	1.734	2.413
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			13.873								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	01/27/98-11/24/98	4 ##	2.25	38.	147.	0.5	5283.167	72.685	**	**	**	**

** - Less than 9 observations ## - 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: OBRI0054

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	01/27/98-11/24/98	4 ##	0.151	0.542	2.167	-0.301	1.356	1.164	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			3.482								
61223	E.COLI, WATER UNFILTERED,ONPG-MUG,COLILERT #/100ML	08/18/98-11/24/98	2 ##	96.25	96.25	192.	0.5	18336.125	135.411	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/17/96-04/17/96	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: OBRI0054

				Total	Exceed	Prop.	----------7/01-10/14----------			----------10/15-3/14----------			----------3/15-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00			
00400	PH	Fresh Chronic	9.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	13	0	0.00	3	0	0.00	7	0	0.00	3	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	13	0	0.00	3	0	0.00	7	0	0.00	3	0	0.00			
		Drinking Water	50.	13	0	0.00	3	0	0.00	7	0	0.00	3	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	13	0	0.00	3	0	0.00	7	0	0.00	3	0	0.00			
		Drinking Water	5.	13	0	0.00	3	0	0.00	7	0	0.00	3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	13	0	0.00	3	0	0.00	7	0	0.00	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	13	0	0.00	3	0	0.00	7	0	0.00	3	0	0.00			
		Drinking Water	1300.	13	0	0.00	3	0	0.00	7	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	13	0	0.00	3	0	0.00	7	0	0.00	3	0	0.00			
		Drinking Water	15.	13	0	0.00	3	0	0.00	7	0	0.00	3	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	13	0	0.00	3	0	0.00	7	0	0.00	3	0	0.00			
		Drinking Water	5000.	13	0	0.00	3	0	0.00	7	0	0.00	3	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	12	1	0.08	2	1	0.50	7	0	0.00	3	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: OBRI0055

NPS Station ID: OBRI0055
LAT/LON: 36.120588/ -84.745781
Agency: 11NPSWRD
Date Created: 07/04/98
Location: CLEAR CREEK NEAR JETT BRIDGE
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_NPS_C3
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE LANCING TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS INSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT CLEAR CREEK NEAR JETT BRIDGE AT STREAM MILE 4.1. DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSEE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/79-09/30/80	6	18.5	16.833	26.	5.	86.967	9.326	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	11/16/79-09/30/80	6	23.	18.5	27.	2.	91.5	9.566	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/16/79-09/30/80	6	35.	42.833	92.	22.	626.567	25.031	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/16/79-09/30/80	5	8.8	9.72	12.8	7.4	6.352	2.52	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/16/79-09/30/80	6	6.4	6.3	6.7	5.7	0.176	0.42	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/16/79-09/30/80	6	6.389	6.128	6.7	5.7	0.212	0.46	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/16/79-09/30/80	6	0.409	0.745	1.995	0.2	0.533	0.73	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	6	6.5	11.167	36.	3.	151.767	12.319	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/03/80-09/30/80	4	8.5	11.5	29.	0.	165.667	12.871	**	**	**	**
00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	11/16/79-09/30/80	6	0.038	0.303	1.1	0.02	0.204	0.452	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/79-06/21/80	5 ##	0.05	0.07	0.1	0.05	0.001	0.027	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/16/79-09/30/80	6	0.025	0.032	0.06	0.01	0.	0.019	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/80-06/08/80	1 ##	0.375	0.375	0.375	0.375	0.	0.	**	**	**	**
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	02/29/80-09/30/80	4 ##	0.025	0.029	0.04	0.025	0.	0.008	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	6	12.	12.833	18.	10.	9.767	3.125	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/08/80-06/08/80	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/08/80-06/08/80	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	06/08/80-06/08/80	1	1.73	1.73	1.73	1.73	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	06/08/80-06/08/80	1 ##	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**

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

Parameter Inventory for Station: OBRI0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	11/16/79-09/30/80	6	4.5	4.5	7.	2.	3.5	1.871	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	06/08/80-06/08/80	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/80-06/08/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/16/79-09/30/80	7 ##	1.	3.	15.	1.	28.	5.292	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	06/08/80-06/08/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/16/79-09/30/80	7 ##	2.5	7.143	35.	2.5	150.893	12.284	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/16/79-09/30/80	7	120.	141.429	260.	70.	5047.619	71.047	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	02/29/80-09/30/80	6 ##	5.	295.833	1750.	5.	507504.167	712.393	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/16/79-06/08/80	2	20.	20.	30.	10.	200.	14.142	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/08/80-06/08/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/16/79-09/30/80	6 ##	4.5	46.667	250.	0.5	9979.767	99.899	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/16/79-09/30/80	7	200.	462.857	1850.	30.	425257.143	652.117	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	11/16/79-09/30/80	5	0.7	4.74	14.2	0.1	40.523	6.366	**	**	**	**
31611	FECAL COLIFORM, MF, M-TEC #/100ML	11/16/79-11/16/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
31611	LOG FECAL COLIFORM, MF, M-TEC #/1	11/16/79-11/16/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31611	GM FECAL COLIFORM, MF, M-TEC #/10	GEOMETRIC MEAN =			1.								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/16/79-09/30/80	5	0.	0.8	3.	0.	1.7	1.304	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/16/79-09/30/80	5	0.	0.095	0.477	0.	0.046	0.213	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.246								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-06/21/80	3	0.	3.333	10.	0.	33.333	5.774	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-06/21/80	3	0.	0.333	1.	0.	0.333	0.577	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			2.154								
38745	2,4-DB WATER, TOTUG/L	06/08/80-06/08/80	1 ##	1.95	1.95	1.95	1.95	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39755	MIREX, TOTAL (UG/L)	06/08/80-06/08/80	1 ##	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	11/16/79-09/30/80	6 ##	0.05	0.095	0.2	0.02	0.007	0.082	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11/16/79-11/16/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/07/80-09/30/80	2 ##	0.325	0.325	0.5	0.15	0.061	0.247	**	**	**	**
82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/28/79-09/30/80	7	2.	4.571	20.	1.	46.952	6.852	**	**	**	**
82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	11/16/79-06/21/80	5 ##	0.05	0.124	0.42	0.05	0.027	0.165	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0055

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	6	4	0.67	1	0	0.00	2	1	0.50	3	3	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	1	1.00							1	1	1.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	7	0	0.00	1	0	0.00	2	0	0.00	4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	6 &	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
		Drinking Water	1300.	7	0	0.00	1	0	0.00	2	0	0.00	4	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	5 &	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00			
		Drinking Water	15.	5 &	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	5 &	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	5000.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00							1	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00							1	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00							1	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00							1	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00							1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00							1	0	0.00			
		Drinking Water	3.	1	0	0.00							1	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.4	1	0	0.00							1	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00							1	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	1	0	0.00							1	0	0.00			
39720	PICLORAM IN WHOLE WATER SAMPLE	Drinking Water	500.	1	0	0.00							1	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00							1	0	0.00			
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00				1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	2.	2	0	0.00	1	0	0.00				1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	7	0	0.00	1	0	0.00	3	0	0.00	3	0	0.00			

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

Station Inventory for Station: OBRI0056

NPS Station ID: OBRI0056
LAT/LON: 36.120588/ -84.745754
Agency: 11NPSWRD
Date Created: 06/13/98
Location: CLEAR CREEK AT JETT BRIDGE
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_TTU_CC
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE LANCING TN-MORGAN CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED INSIDE OF THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES AT CLEAR CREEK NEAR JETT BRIDGE AT STREAM MILE 4.1. DATA WERE COLLECTED AND ANALYZED AT THIS SITE FROM 1973 THROUGH 1974 BY JOHN RIDDLE; A GRADUATE STUDENT AT TENNESSEE TECHNOLOGICAL UNIVERSITY; USING A HACH KIT (DR-EL/2; MODEL NUMBER 2506-05). TEMPERATURE; DISSOLVED OXYGEN; AND PH WERE MEASURED IN THE FIELD; ALL OTHER MEASUREMENTS WERE TAKEN IMMEDIATELY UPON RETURN FROM THE FIELD. DATA WERE SUMMARIZED IN A FINAL REPORT TITLED "CUMBERLAND PLATEAU MUSKELLUNGE INVESTIGATION." FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0056

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/07/73-11/07/74	12	57.5	57.833	75.	41.	123.242	11.101	41.	49.75	66.75	74.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/07/73-11/07/74	12	4.	5.083	18.	0.	25.356	5.035	0.	1.5	7.25	15.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/07/73-11/07/74	12	29.5	30.5	40.	20.	45.909	6.776	20.9	25.	36.5	40.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/07/73-11/07/74	12	11.	11.	14.	8.	4.364	2.089	8.	9.25	12.75	14.
00406	PH, FIELD, STANDARD UNITS SU	12/07/73-11/07/74	12	6.665	6.669	6.93	6.47	0.015	0.123	6.488	6.58	6.748	6.882
00406	CONVERTED PH, FIELD, STANDARD UNITS	12/07/73-11/07/74	12	6.665	6.654	6.93	6.47	0.015	0.124	6.488	6.58	6.748	6.882
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/07/73-11/07/74	12	0.216	0.222	0.339	0.117	0.004	0.06	0.133	0.179	0.263	0.326
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	12/07/73-11/07/74	12	15.	14.167	25.	10.	17.424	4.174	10.	10.	15.	22.
00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	12	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	12	10.	12.5	20.	10.	11.364	3.371	10.	10.	15.	18.5
47002	ACIDITY, FREE (METHYL RED) (MG/L AS CACO3)	12/07/73-11/07/74	12 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

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

EPA Water Quality Criteria Analysis for Station: OBRI0056

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	12	1	0.08	4	1	0.25	5	0	0.00	3	0	0.00			

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

Station Inventory for Station: OBRI0057

NPS Station ID: OBRI0057 | LAT/LON: 36.120560/ -84.745892 | Agency: 11NPSWRD | Date Created: 06/06/98
Location: CLEAR CREEK AT JETT ACCESS | FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): OBRI_DEC_CC /ECO68A08
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208 | Depth of Water: 0 | Aquifer:
Major Basin: TENNESSEE RIVER | Elevation: 1120 | Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES | ECO Region:
RF1 Index: 06010208 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 06010208000109.53 | RF3 Mile Point: 9.53 | Distance from RF3: 0.48 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE LANCING TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE INSIDE OF THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT CLEAR CREEK AT JETT ACCESS; UPSTREAM OF THE HIGHWAY 298 BRIDGE; AT RIVER MILE 4.0. WATER QUALITY DATA WERE COLLECTED IN 1996 AND 1997 BY JONATHON BURR OF THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TEL. 423-594-5616). ADDITIONAL STORET DATA FOR THIS STATION CAN BE FOUND UNDER AGENCY: 21TNECO AT STATION: ECO68A08. FOR MORE INFORMATION ABOUT OBRI; CONTACT THE CHIEF OF NATURAL RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887; TEL(615) 346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970) 225-3516.

Parameter Inventory for Station: OBRI0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/06/97-01/27/98	5	242.	206.4	450.	3.	37538.3	193.748	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/17/96-11/19/97	8 ##	0.05	0.083	0.26	0.05	0.005	0.074	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/96-04/17/96	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/06/97-02/06/97	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: OBRI0057

				Total	Exceed	Prop.	7/01-10/14			10/15-3/14			3/15-6/30			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
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: OBRI0058

NPS Station ID: OBRI0058
LAT/LON: 36.120281/ -84.745837
Agency: 131TVAC
Date Created: / /
Location: JETT BRIDGE
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475314 /3584
RMI-Indexes: 1021500 007720 00920 7930 0250 1010 0160
Within Park Boundary: Yes
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 004.43 04.00
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: CLINCH RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: CLEAR CREEK 4.00
ECO Region:
RF1 Index: 06010208008
RF1 Mile Point: 3.830
Distance from RF1: 0.40
On/Off RF1: ON
RF3 Index: 06010208001502.40
RF3 Mile Point: 2.57
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/28/67-11/02/71	15	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/28/67-11/02/71	15	15.5	15.227	26.	0.5	55.262	7.434	3.2	8.	20.5	25.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/28/67-11/02/71	15	119.	315.867	2110.	10.	280163.124	529.304	22.	44.	412.	1204.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/28/67-11/02/71	10	6.5	17.45	50.	0.5	418.803	20.465	0.65	4.25	42.5	50.
00080	COLOR (PLATINUM-COBALT UNITS)	09/28/67-11/02/71	11	10.	14.318	40.	2.5	117.614	10.845	3.	5.	20.	37.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/28/67-11/02/71	11	34.	38.545	78.	21.	255.273	15.977	21.4	29.	46.	72.
00300	OXYGEN, DISSOLVED MG/L	09/28/67-11/02/71	15	9.3	10.	12.8	8.5	1.81	1.345	8.68	9.2	11.1	12.62
00310	BOD, 5 DAY, 20 DEG C MG/L	09/28/67-11/02/71	11	1.	1.118	2.5	0.5	0.49	0.7	0.5	0.5	1.3	2.46
00335	COD, .025N K2CR2O7 MG/L	09/28/67-04/23/68	6	7.	7.333	10.	5.	3.867	1.966	**	**	**	**
00400	PH (STANDARD UNITS)	09/28/67-11/02/71	15	6.9	7.033	8.2	6.4	0.281	0.53	6.46	6.6	7.3	8.08
00400	CONVERTED PH (STANDARD UNITS)	09/28/67-11/02/71	15	6.9	6.823	8.2	6.4	0.328	0.573	6.46	6.6	7.3	8.08
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/28/67-11/02/71	15	0.126	0.15	0.398	0.006	0.015	0.123	0.009	0.05	0.251	0.349
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/28/67-04/23/68	10	6.	6.2	12.	2.	8.622	2.936	2.2	4.	7.75	11.8
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/28/67-04/23/68	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500	RESIDUE, TOTAL (MG/L)	02/14/68-02/14/68	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	02/14/68-02/14/68	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/28/67-11/02/71	11	0.17	0.225	0.8	0.07	0.04	0.199	0.08	0.13	0.22	0.698
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/28/67-11/02/71	11 ##	0.005	0.024	0.16	0.005	0.002	0.046	0.005	0.005	0.02	0.134
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/28/67-11/02/71	11 ##	0.005	0.007	0.02	0.005	0.	0.005	0.005	0.005	0.005	0.018
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/28/67-11/02/71	11	0.05	0.062	0.21	0.005	0.004	0.065	0.005	0.005	0.1	0.192
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/28/67-11/02/71	11	0.016	0.019	0.039	0.01	0.	0.008	0.011	0.013	0.023	0.037
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/28/67-04/23/68	5	0.013	0.018	0.029	0.01	0.	0.008	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/71-11/02/71	5	0.01	0.011	0.016	0.007	0.	0.003	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/28/67-11/02/71	14	3.	2.839	5.5	0.25	2.112	1.453	0.625	2.	4.	5.25
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/28/67-11/02/71	14	1.	0.957	1.5	0.5	0.107	0.327	0.5	0.675	1.2	1.5
00929	SODIUM, TOTAL (MG/L AS NA)	09/28/67-11/02/71	11	0.8	0.991	1.6	0.7	0.091	0.302	0.7	0.8	1.2	1.56
00937	POTASSIUM, TOTAL MG/L AS K)	09/28/67-11/02/71	11	1.2	1.327	3.	0.7	0.424	0.651	0.72	0.8	1.6	2.76
00940	CHLORIDE,TOTAL IN WATER MG/L	09/28/67-11/02/71	15	3.	2.933	4.	1.	1.067	1.033	1.6	2.	4.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/28/67-11/02/71	15	6.	7.067	16.	2.	17.352	4.166	2.6	5.	9.	15.4
00956	SILICA, TOTAL (MG/L AS SI02)	09/28/67-04/23/68	6	2.75	2.9	5.1	1.5	1.708	1.307	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/28/67-04/23/68	5	20.	38.	120.	5.	2307.5	48.036	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/28/67-04/23/68	9	270.	433.333	1600.	120.	217550.	466.423	120.	165.	525.	1600.
01046	IRON, DISSOLVED (UG/L AS FE)	09/28/67-02/14/68	9	90.	78.889	120.	25.	1079.861	32.861	25.	52.5	100.	120.
01047	IRON, FERROUS (UG/L AS FE)	09/28/67-04/23/68	10	50.	40.	50.	25.	166.667	12.91	25.	25.	50.	50.
01055	MANGANESE, TOTAL (UG/L AS MN)	09/28/67-04/23/68	5	30.	38.	70.	10.	670.	25.884	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/28/67-02/14/68	5	10.	18.	40.	10.	170.	13.038	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/28/67-04/23/68	5	60.	74.	140.	50.	1430.	37.815	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/06/71-11/02/71	5	60.	348.	1150.	10.	242770.	492.717	**	**	**	**

** - Less than 9 observations ## - 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: OBRI0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/06/71-11/02/71	5	1.778	1.968	3.061	1.	0.787	0.887	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			92.847								
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	09/28/67-04/23/68	7	1100.	1026.143	3600.	23.	1542257.476	1241.877	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	09/28/67-04/23/68	7	3.041	2.61	3.556	1.362	0.584	0.764	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			407.393								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/28/67-04/23/68	7 ##	1.	98.143	620.	1.	53431.476	231.152	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/28/67-04/23/68	7 ##	0.	0.721	2.792	0.	1.258	1.122	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.261								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/06/71-11/02/71	5 ##	5.	55.	220.	5.	8737.5	93.475	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/06/71-11/02/71	5 ##	0.699	1.208	2.342	0.699	0.555	0.745	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			16.154								
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	09/28/67-11/02/71	13	11.	11.769	18.	5.	14.526	3.811	6.2	9.	15.	17.6

** - 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: OBRI0058

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	10	2	0.20	4	1	0.25	5	1	0.20	1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	15	0	0.00	7	0	0.00	7	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	15	0	0.00	7	0	0.00	7	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	15	3	0.20	7	2	0.29	7	1	0.14	1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	11	0	0.00	5	0	0.00	5	0	0.00	1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	11	0	0.00	5	0	0.00	5	0	0.00	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	15	0	0.00	7	0	0.00	7	0	0.00	1	0	0.00			
		Drinking Water	250.	15	0	0.00	7	0	0.00	7	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	15	0	0.00	7	0	0.00	7	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5	3	0.60	1	0	0.00	3	2	0.67	1	1	1.00			
		Drinking Water	1300.	5	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	5	1	0.20	1	0	0.00	3	0	0.00	1	1	1.00			
		Drinking Water	5000.	5	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	5	1	0.20	4	1	0.25	1	0	0.00						
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	7	4	0.57	1	1	1.00	5	2	0.40	1	1	1.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	7	1	0.14	1	1	1.00	5	0	0.00	1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	5	1	0.20	4	1	0.25	1	0	0.00						

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

Station Inventory for Station: OBRI0059

NPS Station ID: OBRI0059
LAT/LON: 36.121670/ -84.746116
Agency: 112WRD
Date Created: / /
Location: CLEAR C NR LANCING TENN
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03539750
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208008
RF1 Mile Point: 3.950
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 06010208000900.00
RF3 Mile Point: 0.14
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0059

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/06/66-08/19/81	17	16.5	16.676	33.5	0.5	61.547	7.845	4.5	13.15	23.15	27.58
00060	FLOW, STREAM, MEAN DAILY CFS	09/06/66-06/21/67	5	17.	81.6	319.	5.	17892.8	133.764	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/25/79-08/19/81	13	232.	272.769	1150.	1.	97359.859	312.025	2.2	52.	387.	904.8
00080	COLOR (PLATINUM-COBALT UNITS)	09/06/66-06/21/67	4	5.	4.5	5.	3.	1.	1.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/06/66-08/19/81	17	47.	44.412	64.	21.	153.507	12.39	26.6	32.	53.	60.8
00300	OXYGEN, DISSOLVED MG/L	02/14/81-08/19/81	9	9.6	9.756	13.8	6.3	3.853	1.963	6.3	9.15	10.4	13.8
00400	PH (STANDARD UNITS)	09/06/66-08/19/81	17	6.8	6.853	7.6	6.1	0.208	0.456	6.34	6.4	7.25	7.52
00400	CONVERTED PH (STANDARD UNITS)	09/06/66-08/19/81	17	6.8	6.654	7.6	6.1	0.25	0.5	6.34	6.4	7.25	7.52
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/06/66-08/19/81	17	0.158	0.222	0.794	0.025	0.043	0.206	0.03	0.057	0.398	0.477
00403	PH, LAB, STANDARD UNITS SU	02/14/81-08/19/81	6	7.3	7.233	8.	6.6	0.323	0.568	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/14/81-08/19/81	6	7.255	6.966	8.	6.6	0.408	0.639	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/14/81-08/19/81	6	0.056	0.108	0.251	0.01	0.013	0.113	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	09/06/79-09/06/79	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/79-08/19/81	10	7.5	8.5	16.	3.	24.056	4.905	3.1	4.	13.	16.
00435	ACIDITY, TOTAL (MG/L AS CACO3)	02/14/81-02/14/81	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/06/66-06/21/67	4	7.5	7.5	9.	6.	1.667	1.291	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/19/81-08/19/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/81-08/19/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/19/81-08/19/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/06/66-08/19/81	5	10.	11.6	19.	6.	28.3	5.32	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/19/81-08/19/81	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/06/66-08/19/81	5	4.1	3.82	5.3	2.	2.307	1.519	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/06/66-08/19/81	5	0.3	0.48	1.4	0.1	0.292	0.54	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/06/66-08/19/81	5	0.8	1.6	4.4	0.7	2.505	1.583	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/19/81-08/19/81	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/19/81-08/19/81	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/06/66-08/19/81	5	1.3	1.3	1.8	0.5	0.265	0.515	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/06/66-08/19/81	5	2.	2.1	3.	0.5	1.05	1.025	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/06/66-08/19/81	14	7.	6.429	10.	3.	4.879	2.209	3.	4.	8.	9.5
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/19/81-08/19/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/06/66-08/19/81	5	2.8	2.38	3.1	0.9	0.887	0.942	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/19/81-08/19/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/06/79-08/19/81	3	0.	1.	3.	0.	3.	1.732	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/19/81-08/19/81	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/19/81-08/19/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-08/19/81	3 ##	5.	3.5	5.	0.5	6.75	2.598	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-08/19/81	3	10.	11.667	20.	5.	58.333	7.638	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/19/81-08/19/81	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

Parameter Inventory for Station: OBRI0059

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/06/79-08/19/81	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/19/81-08/19/81	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/06/79-08/19/81	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	05/25/79-08/19/81	8	185.	222.5	470.	50.	26535.714	162.898	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/25/79-08/19/81	10	210.	251.	520.	50.	23698.889	153.944	58.	145.	357.5	518.
01046	IRON, DISSOLVED (UG/L AS FE)	09/06/66-08/19/81	14	30.	35.357	110.	0.	1447.94	38.052	0.	0.	52.5	110.
01051	LEAD, TOTAL (UG/L AS PB)	08/19/81-08/19/81	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/06/79-08/19/81	3 ##	5.	6.667	10.	5.	8.333	2.887	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/06/79-08/19/81	3	110.	407.667	1100.	13.	361846.333	601.537	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/25/79-08/19/81	10	10.	13.	50.	0.	223.333	14.944	0.	0.	20.	47.
01055	MANGANESE, TOTAL (UG/L AS MN)	05/25/79-08/19/81	9	30.	36.667	70.	10.	375.	19.365	10.	25.	55.	70.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/25/79-08/19/81	10	20.	22.5	50.	5.	262.5	16.202	5.5	10.	35.	50.
01077	SILVER, TOTAL (UG/L AS AG)	08/19/81-08/19/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/19/81-08/19/81	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/06/79-08/19/81	3	12.	13.667	20.	9.	32.333	5.686	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/19/81-08/19/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/06/79-08/19/81	3	0.	0.167	0.5	0.	0.083	0.289	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/06/79-08/19/81	3	3700.	3333.333	5200.	1100.	4303333.333	2074.448	**	**	**	**
39250	NAPTHALENES, POLYCHLORINATED (UG/L)	08/19/81-08/19/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	08/19/81-08/19/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	08/19/81-08/19/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39755	MIREX, TOTAL (UG/L)	08/19/81-08/19/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	08/19/81-08/19/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/06/66-08/19/81	10	30.5	28.6	46.	9.	98.711	9.935	10.1	23.	34.25	44.9
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/19/81-08/19/81	1	34.	34.	34.	34.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	02/14/81-08/19/81	6	10.135	14.753	40.7	0.52	212.885	14.591	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/14/81-08/19/81	6	0.045	0.045	0.06	0.03	0.	0.01	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/25/79-05/25/79	1	63.	63.	63.	63.	0.	0.	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	02/14/81-02/14/81	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/06/66-06/21/67	4	0.2	0.45	1.4	0.	0.417	0.645	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/19/81-08/19/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/19/81-08/19/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/06/79-08/19/81	3	0.	0.002	0.005	0.	0.	0.003	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/25/79-05/21/81	12	4.	7.917	39.	1.	114.083	10.681	1.	2.25	7.	32.4
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/25/79-05/21/81	12	1.35	11.037	57.	0.01	428.966	20.711	0.091	0.413	7.875	55.8
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	08/19/81-08/19/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	08/19/81-08/19/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0059

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	9	0	0.00	1	0	0.00	2	0	0.00	6	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: OBRI0059

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	17	0	0.00	5	0	0.00	3	0	0.00	9	0	0.00			
		Other-Lo Lim.	6.5	17	6	0.35	5	2	0.40	3	1	0.33	9	3	0.33			
00403	PH, LAB	Fresh Chronic	9.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	250.	5	0	0.00	3	0	0.00				2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	14	0	0.00	5	0	0.00	3	0	0.00	6	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01077	SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
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									
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00	1	0	0.00									
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00	1	0	0.00									
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00	1	0	0.00									
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00	1	0	0.00									
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00	1	0	0.00									
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
		Drinking Water	0.4	1	0	0.00	1	0	0.00									
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00	1	0	0.00									
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	4	0	0.00	2	0	0.00				2	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: OBRI0060

NPS Station ID: OBRI0060
LAT/LON: 36.080421/ -84.762170
Agency: 11NPSWRD
Date Created: 07/04/98
Location: RAMSEY CREEK NEAR OBED RIVER CONFLUENCE
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_NPS_RC8
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE HEBBERTSBURG TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS INSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT RAMSEY CREEK 0.1 STREAM MILES FROM THE RAMSEY CREEK AND OBED RIVER CONFLUENCE. DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/80-08/03/80	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/03/80-08/03/80	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/03/80-08/03/80	1	70.	70.	70.	70.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/03/80-08/03/80	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/03/80-08/03/80	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/03/80-08/03/80	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/80-08/03/80	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/03/80-08/03/80	1	12.	12.	12.	12.	0.	0.	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	08/03/80-08/03/80	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	08/03/80-08/03/80	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: OBRI0060

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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: OBRI0061

NPS Station ID: OBRI0061 LAT/LON: 36.079170/ -84.763338 Agency: 21TNWQ Date Created: 01/31/98
Location: OBED RM 20.8 AT POTTERS CHAPEL ROAD ACCESS FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): OBED020.8
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TN RIVER Elevation: 0 Water Body Id:
Minor Basin: CLINCH RIVER ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
QUAD # 116SW WATERBODY # 06010208-007
AMBIENT MONITORING STATION FOR EMORY WATERSHED

Parameter Inventory for Station: OBRI0061

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: OBRI0062

NPS Station ID: OBRI0062 LAT/LON: 36.079476/ -84.764116 Agency: 11NPSWRD Date Created: 05/09/98
Location: OBED RIVER-CONFLUENCE OF OBED AND DADDYS CRK FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): OBRI_NPS_OR-1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: TENNESSEE RIVER MAIN STEM AND MINOR TRIB ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE HEBBERTSBURG TN-MORGAN CO 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS ON A STREAM INSIDE THE BOUNDARY OF THE OBED WILD AND SCENIC RIVER. THE SITE IS ON OBED AT THE CONFLUENCE OF OBED AND DADDYS CREEK AT OBED JUNCTION. THE SITE IS SAMPLED FOR PH; CONDUCTIVITY; METALS; AND COLIFORMS. THE SAMPLING WAS BEGUN TO ENSURE THAT THE WILD AND SCENIC RIVER WAS PROTECTED AND PRESERVED AS MANDATED IN THE EARLY 1980'S. THE SAMPLING WAS DONE BY PARK PERSONNEL. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES; OBED WILD AND SCENIC RIVER; P.O. BOX 429; WARTBURG TN 37887-0429 (TEL. 423-346-6294). DATA WERE 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: OBRI0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-06/05/91	54	14.25	14.994	28.6	1.3	54.394	7.375	5.6	9.225	20.75	26.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-06/05/91	53	56.	66.679	150.	35.	682.568	26.126	40.4	46.5	86.	103.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-06/05/91	51	10.2	10.108	13.6	6.8	2.656	1.63	7.94	8.8	11.3	12.4
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-06/05/91	49	7.2	7.116	8.4	6.4	0.133	0.364	6.7	6.8	7.35	7.5
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-06/05/91	49	7.2	6.984	8.4	6.4	0.151	0.388	6.7	6.8	7.35	7.5
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-06/05/91	49	0.063	0.104	0.398	0.004	0.007	0.084	0.032	0.045	0.158	0.2
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-06/05/91	54	16.5	19.278	41.	9.	79.865	8.937	10.	12.75	26.	33.5
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-06/05/91	54	22.	25.13	51.	13.	80.87	8.993	16.	18.	31.	39.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-06/05/91	49	5.	6.041	16.	3.	8.29	2.879	3.	4.	7.	10.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-06/05/91	53 ##	5.	5.245	12.	5.	1.573	1.254	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-06/05/91	50 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/10/83-04/11/88	22	38.	213.273	2010.	0.	215773.732	464.515	0.	7.	196.25	874.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	05/10/83-04/11/88	22	1.579	1.493	3.303	0.	1.026	1.013	0.	0.716	2.293	2.929
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			31.123								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-06/05/91	30	4.	55.367	870.	0.	30248.654	173.921	0.	0.	20.5	104.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-06/05/91	30	0.602	0.781	2.94	0.	0.677	0.823	0.	0.	1.311	2.007
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			6.038								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-06/05/91	25	22.	2297.	34800.	0.	50652716.75	7117.072	0.	3.5	400.	7160.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-06/05/91	25	1.342	1.696	4.542	0.	1.866	1.366	0.	0.54	2.597	3.853
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			49.641								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-06/05/91	54 ##	0.1	0.106	0.45	0.1	0.002	0.048	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-06/05/91	52	1.3	4.106	57.	0.5	93.243	9.656	0.6	0.7	2.675	11.58

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

Parameter Inventory for Station: OBRI0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-06/05/91	54	9.	10.093	22.	5.	16.538	4.067	6.	6.75	12.	16.

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

EPA Water Quality Criteria Analysis for Station: OBRI0062

				Total	Exceed	Prop.	----------7/01-10/14----------			----------10/15-3/14----------			----------3/15-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	51	0	0.00	12	0	0.00	22	0	0.00	17	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	49	0	0.00	9	0	0.00	21	0	0.00	19	0	0.00			
		Other-Lo Lim.	6.5	49	3	0.06	9	1	0.11	21	1	0.05	19	1	0.05			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	49	0	0.00	13	0	0.00	17	0	0.00	19	0	0.00			
		Drinking Water	250.	49	0	0.00	13	0	0.00	17	0	0.00	19	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	53	0	0.00	13	0	0.00	20	0	0.00	20	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	22	2	0.09	5	2	0.40	10	0	0.00	7	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	30	2	0.07	5	1	0.20	12	0	0.00	13	1	0.08			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	52	1	0.02	13	0	0.00	21	1	0.05	18	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station OBRI0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-06/05/91	13	22.2	22.569	27.7	16.8	16.566	4.07	16.84	18.7	26.55	27.62
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-06/05/91	13	92.	92.385	150.	49.	580.59	24.095	54.2	82.	102.5	134.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-06/05/91	12	8.35	8.35	9.9	6.8	1.299	1.14	6.89	7.1	9.525	9.81
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-06/05/91	9	7.3	7.256	8.4	6.5	0.293	0.541	6.5	6.85	7.45	8.4
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-06/05/91	9	7.3	7.028	8.4	6.5	0.351	0.592	6.5	6.85	7.45	8.4
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-06/05/91	9	0.05	0.094	0.316	0.004	0.009	0.096	0.004	0.038	0.142	0.316
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-06/05/91	13	29.	29.	41.	14.	55.	7.416	16.4	25.	33.5	40.6
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-06/05/91	13	31.	32.308	42.	21.	37.231	6.102	22.6	28.5	37.	41.6
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-06/05/91	13	5.	6.538	16.	3.	12.769	3.573	3.4	4.	8.5	13.6
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-06/05/91	13 ##	5.	5.462	11.	5.	2.769	1.664	5.	5.	5.	8.6
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-06/05/91	13 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-06/05/91	5	20.	116.	440.	0.	34730.	186.36	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-06/05/91	5	1.301	1.397	2.643	0.	1.022	1.011	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			24.956								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-06/05/91	5	1200.	8332.	34800.	0.	223155120.	14938.377	**	**	**	**
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-06/05/91	5	3.079	2.8	4.542	0.	2.952	1.718	**	**	**	**
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			630.818								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-06/05/91	13 ##	0.1	0.127	0.45	0.1	0.009	0.097	0.1	0.1	0.1	0.31
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-06/05/91	13	0.7	4.738	37.	0.5	109.511	10.465	0.5	0.6	1.85	28.2
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-06/05/91	13	14.	12.846	20.	6.	20.808	4.562	6.8	8.	16.5	19.6

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

Seasonal Analysis for Season #2: 10/15 to 3/14 - Station OBRI0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-06/05/91	22	8.15	8.855	18.4	1.3	20.171	4.491	3.65	5.8	11.65	17.18
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-06/05/91	21	52.	62.286	125.	35.	681.114	26.098	37.8	45.5	82.5	117.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-06/05/91	22	11.25	11.309	13.6	8.8	1.41	1.188	9.54	10.525	12.125	12.84
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-06/05/91	21	7.	7.038	7.6	6.5	0.085	0.292	6.7	6.8	7.3	7.4
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-06/05/91	21	7.	6.948	7.6	6.5	0.094	0.307	6.7	6.8	7.3	7.4
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-06/05/91	21	0.1	0.113	0.316	0.025	0.005	0.074	0.04	0.05	0.158	0.2
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-06/05/91	21	13.	17.333	36.	9.	72.933	8.54	9.2	10.5	24.5	34.2
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-06/05/91	21	22.	25.667	51.	16.	112.633	10.613	17.	18.	31.	46.6
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-06/05/91	17	6.	6.353	11.	3.	6.118	2.473	3.	4.	8.	10.2
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-06/05/91	20 ##	5.	5.35	12.	5.	2.45	1.565	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-06/05/91	17 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-06/05/91	12	1.5	5.25	34.	0.	93.841	9.687	0.	0.	7.75	26.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-06/05/91	12	0.151	0.391	1.531	0.	0.27	0.519	0.	0.	0.866	1.372
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.459								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-06/05/91	9	7.	747.667	6600.	0.	4817131.75	2194.797	0.	1.5	53.5	6600.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-06/05/91	9	0.845	1.079	3.82	0.	1.443	1.201	0.	0.151	1.62	3.82
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			11.996								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-06/05/91	21 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-06/05/91	21	1.3	4.133	57.	0.6	147.519	12.146	0.6	0.85	1.95	3.56
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-06/05/91	21	10.	9.714	22.	5.	15.214	3.901	5.2	6.	12.	13.8

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-06/05/91	19	15.	16.921	28.6	10.3	34.15	5.844	10.5	12.	22.	27.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-06/05/91	19	56.	53.947	80.	37.	157.164	12.536	38.	44.	60.	75.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-06/05/91	17	10.1	9.794	11.5	8.1	1.149	1.072	8.18	8.6	10.5	11.42

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-06/05/91	19	7.2	7.137	7.7	6.4	0.111	0.334	6.7	6.9	7.4	7.5
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-06/05/91	19	7.2	7.005	7.7	6.4	0.13	0.36	6.7	6.9	7.4	7.5
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-06/05/91	19	0.063	0.099	0.398	0.02	0.008	0.091	0.032	0.04	0.126	0.2
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-06/05/91	20	13.5	15.	26.	9.	23.158	4.812	9.1	11.	18.	22.8
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-06/05/91	20	19.5	19.9	31.	13.	19.147	4.376	14.1	16.25	22.75	25.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-06/05/91	19	5.	5.421	13.	3.	7.48	2.735	3.	3.	7.	10.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-06/05/91	20 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-06/05/91	20 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-06/05/91	13	5.	78.308	870.	0.	56824.564	238.379	0.	1.	28.5	542.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-06/05/91	13	0.699	0.904	2.94	0.	0.722	0.85	0.	0.151	1.443	2.443
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.014								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-06/05/91	11	35.	821.455	8000.	0.	5684806.073	2384.283	0.6	10.	285.	6468.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-06/05/91	11	1.544	1.699	3.903	0.	1.191	1.091	0.095	1.	2.455	3.629
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			49.962								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-06/05/91	20 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-06/05/91	18	1.55	3.617	19.	0.7	28.316	5.321	0.7	1.15	3.075	17.2
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-06/05/91	20	8.	8.7	16.	5.	9.589	3.097	5.1	6.	10.	14.7

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

Station Inventory for Station: OBRI0063

NPS Station ID: OBRI0063
LAT/LON: 36.083059/ -84.764615
Agency: 112WRD
Date Created: / /
Location: OBED R NR FRANKFORT, TENN.
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03539700
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208015
RF1 Mile Point: 0.150
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 06010208000200.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/65-10/06/65	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	10/06/65-10/06/65	1	76.	76.	76.	76.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/06/65-10/06/65	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/06/65-10/06/65	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/06/65-10/06/65	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/06/65-10/06/65	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/06/65-10/06/65	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/06/65-10/06/65	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/06/65-10/06/65	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	05/22/65-10/06/65	2	0.005	0.005	0.01	0.	0.	0.007	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/06/65-10/06/65	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/06/65-10/06/65	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/06/65-10/06/65	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/06/65-10/06/65	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/22/65-10/06/65	2	80.	80.	100.	60.	800.	28.284	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/22/65-10/06/65	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/06/65-10/06/65	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/06/65-10/06/65	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: OBRI0063

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: OBRI0064

NPS Station ID: OBRI0064
LAT/LON: 36.079420/ -84.764615
Agency: 11NPSWRD
Date Created: 07/04/98
Location: OBED RIVER AT OBED JUNCTION
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_NPS_O4
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE HEBBERTSBURG TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS INSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT THE OBED RIVER AT OBED JUNCTION (STREAM MILE 9.2). DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSEE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MOREINFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0064

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/79-09/30/80	5	15.	13.6	22.	5.	49.3	7.021	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	11/16/79-09/30/80	5	20.	14.6	27.	0.	160.8	12.681	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/16/79-09/30/80	5	32.	47.4	95.	25.	818.3	28.606	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/16/79-09/30/80	4	10.45	10.5	13.2	7.9	6.5	2.55	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/16/79-09/30/80	5	6.5	6.52	6.9	6.3	0.062	0.249	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/16/79-09/30/80	5	6.5	6.47	6.9	6.3	0.065	0.255	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/16/79-09/30/80	5	0.316	0.339	0.501	0.126	0.027	0.163	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	5	14.	19.	53.	1.	394.5	19.862	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/03/80-09/30/80	3	5.	4.667	9.	0.	20.333	4.509	**	**	**	**
00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	11/16/79-09/30/80	4 ##	0.063	0.188	0.6	0.025	0.077	0.277	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/79-05/03/80	3	0.05	0.067	0.1	0.05	0.001	0.029	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/16/79-09/30/80	4	0.023	0.024	0.03	0.02	0.	0.005	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/80-06/08/80	1 ##	0.375	0.375	0.375	0.375	0.	0.	**	**	**	**
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	02/29/80-09/30/80	2 ##	0.038	0.038	0.05	0.025	0.	0.018	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	5	16.	15.8	18.	14.	2.2	1.483	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/08/80-06/08/80	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/08/80-06/08/80	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	06/08/80-06/08/80	1	2.01	2.01	2.01	2.01	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	06/08/80-06/08/80	1	1.85	1.85	1.85	1.85	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: OBRI0064

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	11/16/79-09/30/80	5	4.	4.6	8.	3.	3.8	1.949	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	06/08/80-06/08/80	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/80-06/08/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/16/79-09/30/80	5 ##	1.	23.6	100.	1.	1860.8	43.137	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	06/08/80-06/08/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/16/79-09/30/80	5 ##	2.5	9.	35.	2.5	211.25	14.534	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/16/79-09/30/80	5	150.	164.	260.	100.	4430.	66.558	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	02/29/80-09/30/80	4 ##	5.	441.25	1750.	5.	761256.25	872.5	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/16/79-06/08/80	2	15.	15.	20.	10.	50.	7.071	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/08/80-06/08/80	1 ##	30.	30.	30.	30.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/16/79-06/08/80	4 ##	10.25	67.75	250.	0.5	14846.75	121.847	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/16/79-09/30/80	5	320.	670.	1850.	180.	498200.	705.833	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	11/16/79-09/30/80	3	11.3	13.233	28.3	0.1	201.613	14.199	**	**	**	**
31611	FECAL COLIFORM, MF, M-TEC #/100ML	11/16/79-11/16/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31611	LOG FECAL COLIFORM, MF, M-TEC #/1	11/16/79-11/16/79	1	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31611	GM FECAL COLIFORM, MF, M-TEC #/10	GEOMETRIC MEAN =			2.								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/16/79-09/30/80	4	3.5	15.	52.	1.	610.	24.698	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/16/79-09/30/80	4	0.54	0.699	1.716	0.	0.527	0.726	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			4.998								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	2	24.	24.	42.	6.	648.	25.456	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	2	1.201	1.201	1.623	0.778	0.357	0.598	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			15.875								
38745	2,4-DB WATER, TOTUG/L	06/08/80-06/08/80	1 ##	1.95	1.95	1.95	1.95	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39755	MIREX, TOTAL (UG/L)	06/08/80-06/08/80	1 ##	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	11/16/79-09/30/80	4	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11/16/79-11/16/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	09/30/80-09/30/80	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/16/79-09/30/80	5	4.	3.4	6.	1.	3.8	1.949	**	**	**	**
82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	02/29/80-06/07/80	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0064

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	3	0.60	1	1	1.00	2	1	0.50	2	1	0.50			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	1	1.00							1	1	1.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	1	0.20	1	0	0.00	2	1	0.50	2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	4 &	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	1300.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	3 &	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	15.	3 &	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3 &	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	5000.	4	0	0.00				2	0	0.00	2	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00							1	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00							1	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00							1	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00							1	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00							1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00							1	0	0.00			
		Drinking Water	3.	1	0	0.00							1	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.4	1	0	0.00							1	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00							1	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	1	0	0.00							1	0	0.00			
39720	PICLORAM IN WHOLE WATER SAMPLE	Drinking Water	500.	1	0	0.00							1	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00							1	0	0.00			
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00				1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	5	0	0.00	1	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: OBRI0065

NPS Station ID: OBRI0065
LAT/LON: 36.055559/ -84.789170
Agency: 21TNWQ
Date Created: 01/31/98
Location: DADDY'S CREEK AT HEBBERTSBURG ROAD
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): DADDYSCR002.3
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TN RIVER
Elevation: 0
Water Body Id:
Minor Basin: CLINCH RIVER
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
AMBIENT MONITORING SITE FOR EMORY WATERSHED
QUAD # HEBBERTBURG 116 SE
WATERBODY # 06010208-015

Parameter Inventory for Station: OBRI0065

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: OBRI0066

NPS Station ID: OBRI0066 LAT/LON: 36.058615/ -84.791392 Agency: 21TNECO Date Created: 11/29/97
Location: DADDYS CREEK, RM 2.3,QUAD 116SE, BENTHICS ONLY FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ECO68A26
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TN RIVER Elevation: 0 Water Body Id:
Minor Basin: CLINCH RIVER ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
AT HEBBERTSBURG ROAD, CATOOSA BUGS ONLY, ADDED 1ST QUARTER 98

Parameter Inventory for Station: OBRI0066

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/17/96-11/24/98	10	16.3	16.14	24.3	6.8	49.529	7.038	6.83	8.75	23.2	24.19
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/96-11/24/98	3	17.	43.333	102.	11.	2590.333	50.895	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	08/21/96-11/24/98	11	1.5	1.636	3.6	0.3	1.295	1.138	0.34	0.6	2.5	3.54
00080	COLOR (PLATINUM-COBALT UNITS)	05/26/98-11/24/98	3	13.	16.667	30.	7.	142.333	11.93	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	05/26/98-11/24/98	3	23.	30.	60.	7.	739.	27.185	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/17/96-11/24/98	10	62.5	69.7	127.	47.	574.9	23.977	47.2	51.25	80.25	122.7
00300	OXYGEN, DISSOLVED MG/L	10/17/96-11/24/98	10	9.55	9.87	13.8	6.3	4.738	2.177	6.49	8.275	11.5	13.6
00335	COD, .025N K2CR2O7 MG/L	08/21/96-10/06/97	8	## 2.5	2.913	5.8	2.5	1.361	1.167	**	**	**	**
00400	PH (STANDARD UNITS)	10/17/96-11/24/98	10	7.58	7.539	7.86	7.1	0.062	0.25	7.115	7.325	7.74	7.851
00400	CONVERTED PH (STANDARD UNITS)	10/17/96-11/24/98	10	7.573	7.471	7.86	7.1	0.067	0.26	7.115	7.325	7.74	7.851
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/96-11/24/98	10	0.027	0.034	0.079	0.014	0.	0.021	0.014	0.018	0.048	0.077
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/98-11/24/98	3	28.	29.	35.	24.	31.	5.568	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/21/96-11/24/98	11	40.	40.636	67.	18.	176.255	13.276	19.4	34.	49.	63.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/21/96-11/24/98	11	4.	4.045	9.	0.5	5.623	2.371	0.8	2.	5.	8.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/96-11/24/98	11	## 0.01	0.011	0.02	0.01	0.	0.003	0.01	0.01	0.01	0.018
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/96-11/24/98	11	0.13	0.124	0.24	0.01	0.006	0.076	0.016	0.05	0.2	0.232
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	08/21/96-08/18/98	10	## 0.05	0.07	0.2	0.05	0.002	0.048	0.05	0.05	0.063	0.19
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/21/96-08/18/98	10	0.009	0.009	0.02	0.002	0.	0.006	0.002	0.006	0.012	0.02
00690	CARBON, TOTAL (MG/L AS C)	05/26/98-08/18/98	2	2.7	2.7	3.4	2.	0.98	0.99	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/21/96-11/24/98	11	32.	31.182	65.	8.	197.164	14.041	10.	23.	36.	59.2
00910	CALCIUM (MG/L AS CACO3)	08/07/97-10/06/97	2	16.15	16.15	21.4	10.9	55.125	7.425	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/96-11/24/98	10	6.5	6.7	11.	4.	4.9	2.214	4.	4.75	8.25	10.8
01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/96-11/24/98	11	## 0.5	0.636	2.	0.5	0.205	0.452	0.5	0.5	0.5	1.7
01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/96-11/24/98	10	## 0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/96-11/24/98	10	## 0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01042	COPPER, TOTAL (UG/L AS CU)	08/21/96-11/24/98	11	## 0.5	0.773	2.	0.5	0.368	0.607	0.5	0.5	0.5	2.
01045	IRON, TOTAL (UG/L AS FE)	08/21/96-11/24/98	11	94.	99.909	200.	28.	2422.691	49.221	33.8	68.	116.	194.
01051	LEAD, TOTAL (UG/L AS PB)	08/21/96-11/24/98	11	## 0.5	0.818	3.	0.5	0.564	0.751	0.5	0.5	1.	2.6
01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/96-11/24/98	10	11.5	10.8	18.	2.5	27.678	5.261	2.5	6.625	15.	17.7
01067	NICKEL, TOTAL (UG/L AS NI)	08/21/96-10/06/97	8	## 5.	5.875	12.	5.	6.125	2.475	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/21/96-11/24/98	11	5.	5.864	20.	0.5	30.205	5.496	0.6	2.	8.	17.8
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/96-10/06/97	7	## 50.	65.714	160.	50.	1728.571	41.576	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/21/96-11/24/98	10	11.	11.1	28.	1.	76.1	8.724	1.1	2.	18.	27.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/21/96-11/24/98	10	1.04	0.856	1.447	0.	0.242	0.492	0.03	0.301	1.255	1.428
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.183								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/21/96-11/24/98	10	9.	12.8	36.	0.5	178.511	13.361	0.5	0.5	24.	35.4

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

Parameter Inventory for Station: OBRI0066

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	08/21/96-11/24/98	10	0.952	0.638	1.556	-0.301	0.69	0.831	-0.301	-0.301	1.376	1.548
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			4.341								
61223	E.COLI, WATER UNFILTERED,ONPG-MUG,COLILERT #/100ML	10/06/97-11/24/98	3	2.	5.167	13.	0.5	46.583	6.825	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/21/96-10/06/97	8 ##	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: OBRI0066

				Total	Exceed	Prop.	----------7/01-10/14----------			----------10/15-3/14----------			----------3/15-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	11	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	10	0	0.00	4	0	0.00	4	0	0.00	2	0	0.00			
00400	PH	Fresh Chronic	9.	10	0	0.00	4	0	0.00	4	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	10	0	0.00	4	0	0.00	4	0	0.00	2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	10	0	0.00	5	0	0.00	4	0	0.00	1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	11	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00			
		Drinking Water	50.	11	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	10	0	0.00	4	0	0.00	4	0	0.00	2	0	0.00			
		Drinking Water	5.	10	0	0.00	4	0	0.00	4	0	0.00	2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	10	0	0.00	4	0	0.00	4	0	0.00	2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	11	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00			
		Drinking Water	1300.	11	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	11	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00			
		Drinking Water	15.	11	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	4	0	0.00	3	0	0.00	1	0	0.00			
		Drinking Water	100.	8	0	0.00	4	0	0.00	3	0	0.00	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	11	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00			
		Drinking Water	5000.	11	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	10	0	0.00	4	0	0.00	4	0	0.00	2	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	8	0	0.00	4	0	0.00	3	0	0.00	1	0	0.00			
		Drinking Water	2.	8	0	0.00	4	0	0.00	3	0	0.00	1	0	0.00			

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

Station Inventory for Station: OBRI0067

NPS Station ID: OBRI0067 LAT/LON: 36.059253/ -84.792310 Agency: 11NPSWRD Date Created: 06/06/98
Location: DADDYS CREEK AT THE DEVILS BREAKFAST TABLE FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): OBRI_DEC_DC
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 1150 Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE HERBERTSBERG TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE OUTSIDE OF THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT DADDYS CREEK NEAR THE HERBERTSBURG ROAD BRIDGE; AT THE DEVILS BREAKFAST TABLE; AT RIVER MILE 2.3. WATER QUALITY DATA WERE COLLECTED IN 1996 AND 1997 BY JONATHON BURR OF THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION. FOR MORE INFORMATION CONTACT THE DEPARTMENT OF ENVIRONMENT AND CONSERVATION AT TEL(423) 594-5616. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970) 225-3516.

Parameter Inventory for Station: OBRI0067

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/96-12/04/97	9	14.4	15.322	24.3	6.8	51.764	7.195	6.8	7.7	23.25	24.3
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/96-10/17/96	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	08/21/96-12/04/97	9	1.5	1.856	4.4	0.3	1.9	1.379	0.3	0.7	2.9	4.4
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/21/96-12/04/97	9	71.	73.	127.	47.	612.5	24.749	47.	50.5	83.	127.
00300	OXYGEN, DISSOLVED MG/L	08/21/96-12/04/97	9	9.7	9.956	11.8	7.9	2.578	1.606	7.9	8.25	11.6	11.8
00340	COD, .25N K2CR2O7 MG/L	08/21/96-12/04/97	9 ##	2.5	7.389	43.	2.5	179.674	13.404	2.5	2.5	4.25	43.
00400	PH (STANDARD UNITS)	08/21/96-10/06/97	8	7.5	7.508	7.86	7.1	0.071	0.267	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/21/96-10/06/97	8	7.5	7.436	7.86	7.1	0.077	0.278	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/21/96-10/06/97	8	0.032	0.037	0.079	0.014	0.001	0.023	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/21/96-12/04/97	9	44.	43.889	67.	25.	138.861	11.784	25.	36.	49.5	67.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/21/96-12/04/97	9	2.	3.389	9.	0.5	7.361	2.713	0.5	1.5	5.	9.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/96-12/04/97	9 ##	0.01	0.01	0.01	0.01	0.	0.	0.01	0.01	0.01	0.01
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/21/96-12/04/97	9 ##	0.05	0.069	0.17	0.05	0.002	0.041	0.05	0.05	0.075	0.17
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/96-12/04/97	9	0.13	0.128	0.23	0.01	0.006	0.076	0.01	0.055	0.2	0.23
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/21/96-12/04/97	9	0.009	0.009	0.02	0.002	0.	0.006	0.002	0.005	0.014	0.02
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/21/96-12/04/97	9	32.	33.444	65.	18.	174.528	13.211	18.	25.5	36.	65.
00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/96-12/04/97	9	7.	6.889	11.	4.	4.111	2.028	4.	5.5	8.	11.
01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/96-12/04/97	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/21/96-12/04/97	9 ##	0.5	0.833	2.	0.5	0.437	0.661	0.5	0.5	1.25	2.
01045	IRON, TOTAL (UG/L AS FE)	08/21/96-12/04/97	9	102.	99.667	170.	28.	1636.5	40.454	28.	73.	125.	170.
01051	LEAD, TOTAL (UG/L AS PB)	08/21/96-12/04/97	9 ##	0.5	0.889	3.	0.5	0.674	0.821	0.5	0.5	1.	3.
01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/96-12/04/97	8	10.	9.813	15.	2.5	17.996	4.242	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/21/96-12/04/97	9 ##	5.	5.778	12.	5.	5.444	2.333	5.	5.	5.	12.
01092	ZINC, TOTAL (UG/L AS ZN)	08/21/96-12/04/97	9	5.	6.667	20.	2.	31.5	5.612	2.	2.5	8.5	20.

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

Parameter Inventory for Station: OBRI0067

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/96-12/04/97	8 ##	50.	63.75	160.	50.	1512.5	38.891	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/21/96-12/04/97	8	13.	11.625	22.	1.	61.696	7.855	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/21/96-12/04/97	8	1.113	0.895	1.342	0.	0.246	0.496	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.847								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/21/96-12/04/97	8	15.	15.875	36.	0.5	175.482	13.247	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	08/21/96-12/04/97	8	1.151	0.872	1.556	-0.301	0.573	0.757	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			7.451								
71900	MERCURY, TOTAL (UG/L AS HG)	08/21/96-12/04/97	9 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1

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EPA Water Quality Criteria Analysis for Station: OBRI0067

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	8	0	0.00	4	0	0.00	3	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	4	0	0.00	3	0	0.00	1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	5.	8	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	1300.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	15.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	100.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	5000.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	8	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	2.	9	0	0.00	4	0	0.00	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

Station Inventory for Station: OBRI0068

NPS Station ID: OBRI0068 LAT/LON: 36.059253/ -84.792310 Agency: 11NPSWRD Date Created: 07/11/98
Location: DADDYS CREEK AT DEVILS BREAKFAST TABLE FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): OBRI_USFW_D1
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE HEBBERTSBURG TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS OUTSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT DADDYS CREEK AT RIVER MILE 2.3 NEAR DEVILS BREAKFAST TABLE. DATA WERE COLLECTED AT THIS SITE IN 1979 BY THOMAS M. ABBOTT OF TENNESSEE TECHNOLOGICAL UNIVERSITY IN COOPERATION WITH THE U.S. FISH AND WILDLIFE SERVICE TO ASSESS THE EFFECTS OF COAL MINING ON OBRI. STATIONS WERE SELECTED THAT WERE ACCESSIBLE AND KNOWN TO BE IMPACTED BY COAL MINING RUNOFF. DATA WERE SUMMARIZED IN A REPORT TITLED "A WATER QUALITY ASSESSMENT OF COAL MINING EFFECTS ON THE OBED WILD AND SCENIC RIVER." FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAKRIDGE DRIVE SUITE 250; FORT COLLINS CO 80521; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/79-06/26/79	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/26/79-06/26/79	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/26/79-06/26/79	1	73.	73.	73.	73.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/26/79-06/26/79	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/26/79-06/26/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/26/79-06/26/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/79-06/26/79	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	06/26/79-06/26/79	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/26/79-06/26/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/26/79-06/26/79	1	190.	190.	190.	190.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/26/79-06/26/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/26/79-06/26/79	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/26/79-06/26/79	1	140.	140.	140.	140.	0.	0.	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	06/26/79-06/26/79	1	0.94	0.94	0.94	0.94	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0068

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: OBRI0069

NPS Station ID: OBRI0069 LAT/LON: 36.050837/ -84.792227 Agency: 131TVAC Date Created: / /
Location: ROAD CROSSING BELOW LITTLE COVE BRANCH FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 475313 /3593
RMI-Indexes: 1021500 007720 00920 7930 0250 1010 0310 Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 009.10 02.30
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: CLINCH RIVER BASIN Elevation: 0 Water Body Id:
Minor Basin: DADDYS CREEK 2.30 ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000610.43 RF3 Mile Point: 10.43 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/28/67-04/23/68	8	1.	1.	1.	1.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/28/67-04/23/68	8	15.2	12.163	19.	1.	40.137	6.335	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/28/67-04/23/68	8	82.	228.25	1000.	10.	117677.071	343.041	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/28/67-04/23/68	6	12.5	21.667	50.	6.	345.067	18.576	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	09/28/67-04/23/68	6	12.5	13.333	25.	5.	46.667	6.831	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/28/67-04/23/68	6	42.5	65.833	140.	33.	1913.367	43.742	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/28/67-04/23/68	8	9.6	10.238	13.1	8.4	3.568	1.889	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/28/67-04/23/68	6 ##	0.5	0.833	1.8	0.5	0.303	0.55	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	09/28/67-04/23/68	6	9.5	9.333	12.	7.	3.067	1.751	**	**	**	**
00400	PH (STANDARD UNITS)	09/28/67-04/23/68	8	7.1	7.263	8.2	6.8	0.251	0.501	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/28/67-04/23/68	8	7.089	7.081	8.2	6.8	0.289	0.537	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/28/67-04/23/68	8	0.082	0.083	0.158	0.006	0.004	0.061	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/28/67-04/23/68	8	15.5	15.5	27.	6.	72.571	8.519	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/28/67-04/23/68	8	0.	0.	0.	0.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	09/28/67-04/23/68	6	40.	38.333	60.	20.	176.667	13.292	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/28/67-04/23/68	6	30.	33.333	60.	10.	266.667	16.33	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/28/67-04/23/68	6	0.16	0.337	1.2	0.06	0.186	0.432	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/28/67-04/23/68	6 ##	0.005	0.01	0.03	0.005	0.	0.01	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/28/67-04/23/68	6 ##	0.005	0.012	0.03	0.005	0.	0.011	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/28/67-04/23/68	6	0.14	0.16	0.29	0.08	0.008	0.09	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/28/67-04/23/68	6	0.033	0.035	0.075	0.01	0.	0.022	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/28/67-12/04/67	4	0.025	0.025	0.036	0.013	0.	0.01	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/28/67-04/23/68	7	8.	6.25	11.	0.25	18.479	4.299	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/28/67-04/23/68	7	1.5	1.286	2.	0.5	0.238	0.488	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/28/67-04/23/68	6	1.15	1.117	1.6	0.5	0.198	0.445	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	09/28/67-04/23/68	6	1.05	1.45	2.8	0.6	0.787	0.887	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/28/67-04/23/68	8	3.5	4.875	15.	1.	20.125	4.486	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/28/67-04/23/68	8	6.5	6.875	13.	3.	12.125	3.482	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	09/28/67-04/23/68	6	1.85	2.117	3.6	0.6	1.442	1.201	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/28/67-04/23/68	5	10.	48.	120.	5.	3257.5	57.075	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/28/67-04/23/68	7	400.	627.143	1400.	190.	289690.476	538.229	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/28/67-02/12/68	7	100.	138.571	400.	60.	14180.952	119.084	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	09/28/67-04/23/68	8 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/28/67-04/23/68	5	20.	20.4	40.	5.	158.3	12.582	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/28/67-02/12/68	5	10.	44.	180.	5.	5817.5	76.273	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/28/67-04/23/68	6	105.	204.167	810.	5.	93864.167	306.373	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	09/28/67-04/23/68	6	230.	457.333	1600.	28.	359471.467	599.559	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	09/28/67-04/23/68	6	2.362	2.287	3.204	1.447	0.469	0.685	**	**	**	**

** - Less than 9 observations ## - 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: OBRI0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			193.748								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/28/67-04/23/68	6	57.	144.667	620.	1.	55601.467	235.8	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/28/67-04/23/68	6	1.754	1.617	2.792	0.	0.856	0.925	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			41.43								
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	09/28/67-04/23/68	6	28.5	32.5	82.	8.	690.3	26.274	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0069

				Total	Exceed	Prop.	----------7/01-10/14----------			----------10/15-3/14----------			----------3/15-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	6	1	0.17	1	1	1.00	4	0	0.00	1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	8	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	8	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	250.	8	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	8	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5	2	0.40	1	0	0.00	3	1	0.33	1	1	1.00			
		Drinking Water	1300.	5	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	6	3	0.50	1	0	0.00	4	3	0.75	1	0	0.00			
		Drinking Water	5000.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	6	1	0.17	1	1	1.00	4	0	0.00	1	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	6	1	0.17	1	0	0.00	4	1	0.25	1	0	0.00			

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

Station Inventory for Station: OBRI0070

NPS Station ID: OBRI0070 LAT/LON: 36.059253/ -84.792310 Agency: 11NPSWRD Date Created: 07/04/98
Location: DADDYS CREEK AT DEVILS BREAKFAST TABLE FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): OBRI_NPS_D1
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE HEBBERTSBURG TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS OUTSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES IN DADDYS CREEK AT DEVILS BREAKFAST TABLE AT RIVER MILE 2.3. DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSEE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NPS WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0070

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/79-09/30/80	5	14.	12.	22.	0.	70.	8.367	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	11/16/79-09/30/80	5	18.	13.4	23.	0.	105.3	10.262	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/16/79-09/30/80	5	44.	54.8	112.	33.	1069.7	32.706	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/16/79-09/30/80	4	11.2	10.725	13.3	7.2	7.463	2.732	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/16/79-09/30/80	5	6.4	6.6	7.2	6.3	0.155	0.394	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/16/79-09/30/80	5	6.4	6.489	7.2	6.3	0.17	0.413	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/16/79-09/30/80	5	0.398	0.324	0.501	0.063	0.041	0.202	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	5	16.	20.6	67.	0.	737.8	27.162	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/03/80-09/30/80	3 ##	0.	6.333	19.	0.	120.333	10.97	**	**	**	**
00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	11/16/79-09/30/80	5	0.1	0.425	1.6	0.025	0.442	0.665	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/79-06/07/80	4 ##	0.05	2.713	10.7	0.05	28.356	5.325	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/16/79-09/30/80	5	0.04	0.055	0.15	0.01	0.003	0.055	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/80-06/08/80	1 ##	0.375	0.375	0.375	0.375	0.	0.	**	**	**	**
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	02/29/80-09/30/80	3 ##	0.025	0.027	0.03	0.025	0.	0.003	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	5	20.	19.	23.	14.	11.	3.317	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/08/80-06/08/80	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/08/80-06/08/80	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	06/08/80-06/08/80	1	1.36	1.36	1.36	1.36	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	06/08/80-06/08/80	1 ##	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/16/79-09/30/80	5	3.	5.	13.	1.	22.	4.69	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	06/08/80-06/08/80	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/80-06/08/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: OBRI0070

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/16/79-09/30/80	6 ##	8.	23.	100.	1.	1490.8	38.611	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	06/08/80-06/08/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/16/79-09/30/80	6 ##	2.5	12.5	35.	2.5	242.5	15.572	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/16/79-09/30/80	6	165.	160.	200.	80.	1800.	42.426	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	02/29/80-09/30/80	5 ##	5.	354.	1750.	5.	609005.	780.388	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/16/79-06/08/80	2 ##	10.75	10.75	20.	1.5	171.125	13.081	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/08/80-06/08/80	1 ##	30.	30.	30.	30.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/16/79-06/08/80	4 ##	127.	166.125	410.	0.5	40075.396	200.188	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/16/79-09/30/80	6	635.	725.	1850.	150.	376230.	613.376	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	11/16/79-09/30/80	4	1.1	1.85	5.	0.2	4.83	2.198	**	**	**	**
31611	FECAL COLIFORM, MF, M-TEC #/100ML	11/16/79-11/16/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
31611	LOG FECAL COLIFORM, MF, M-TEC #/1	11/16/79-11/16/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31611	GM FECAL COLIFORM, MF, M-TEC #/10	GEOMETRIC MEAN =			1.								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/16/79-09/30/80	4	5.	4.	6.	0.	7.333	2.708	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/16/79-09/30/80	4	0.699	0.544	0.778	0.	0.133	0.365	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			3.5								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	2	0.389	0.389	0.477	0.301	0.016	0.125	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			2.449								
38745	2,4-DB WATER, TOTUG/L	06/08/80-06/08/80	1 ##	1.95	1.95	1.95	1.95	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39755	MIREX, TOTAL (UG/L)	06/08/80-06/08/80	1 ##	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	11/16/79-09/30/80	5	0.2	0.204	0.5	0.02	0.033	0.182	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11/16/79-11/16/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/07/80-09/30/80	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/16/79-09/30/80	5	3.	2.4	3.	1.	0.8	0.894	**	**	**	**
82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	11/16/79-06/07/80	4 ##	0.05	0.183	0.58	0.05	0.07	0.265	**	**	**	**

** - 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: OBRI0070

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	3	0.60	1	1	1.00	2	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

EPA Water Quality Criteria Analysis for Station: OBRI0070

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	1	1.00							1	1	1.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	6	1	0.17	1	0	0.00	2	1	0.50	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5 &	1	0.20	1	0	0.00	2	1	0.50	2	0	0.00			
		Drinking Water	1300.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	4 &	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	15.	4 &	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3 &	1	0.33				2	1	0.50	1	0	0.00			
		Drinking Water	5000.	4	0	0.00				2	0	0.00	2	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00							1	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00							1	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00							1	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00							1	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00							1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00							1	0	0.00			
		Drinking Water	3.	1	0	0.00							1	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.4	1	0	0.00							1	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00							1	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	1	0	0.00							1	0	0.00			
39720	PICLORAM IN WHOLE WATER SAMPLE	Drinking Water	500.	1	0	0.00							1	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00							1	0	0.00			
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00				1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	2.	2	0	0.00	1	0	0.00				1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	5	0	0.00	1	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: OBRI0071

NPS Station ID: OBRI0071 LAT/LON: 36.059253/ -84.792310 Agency: 11NPSWRD Date Created: 05/09/98
Location: DADDYS CREEK AT DEVILS BREAKFAST TABLE FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): OBRI_NPS_DC-2
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: TENNESSEE RIVER MAIN STEM AND MINOR TRIB ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE HEBBERTSBURG TN-CUMBERLAND CO 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS ON A STREAM OUTSIDE THE BOUNDARY OF THE OBED WILD AND SCENIC RIVER. THE SITE IS ON DADDYS CREEK AT THE DEVILS BREAKFAST TABLE. THE SITE IS SAMPLED FOR PH; CONDUCTIVITY; METALS; AND COLIFORMS. THE SAMPLING WAS BEGUN TO ENSURE THAT THE WILD AND SCENIC RIVER WAS PROTECTED AND PRESERVED AS MANDATED IN THE EARLY 1980'S. THE SAMPLING WAS DONE BY PARK PERSONNEL. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES; OBED WILD AND SCENIC RIVER; P.O. BOX 429; WARTBURG TN 37887-0429 (TEL. 423-346-6294). DATA WERE 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: OBRI0071

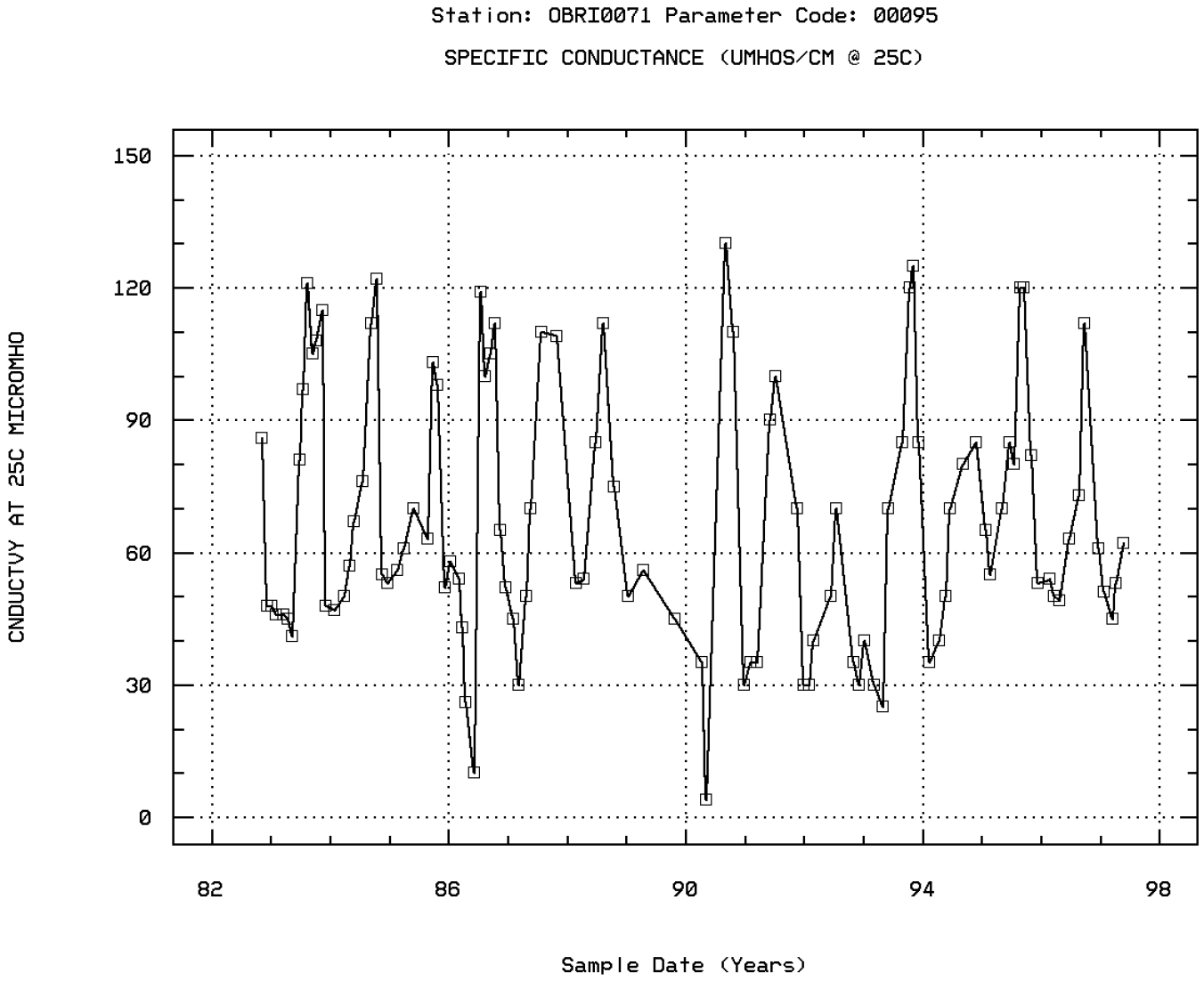
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	107	12.4	13.735	28.	0.3	51.19	7.155	5.3	7.7	19.3	25.06
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	106	59.5	67.283	130.	4.	860.186	29.329	33.5	46.75	85.25	112.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	103	10.3	9.962	13.4	6.	2.979	1.726	7.14	8.7	11.3	12.1
00406p	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	97	6.9	6.892	7.9	5.3	0.191	0.437	6.38	6.6	7.2	7.5
00406p	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	97	6.9	6.62	7.9	5.3	0.266	0.516	6.38	6.6	7.2	7.5
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	97	0.126	0.24	5.012	0.013	0.286	0.535	0.032	0.063	0.251	0.419
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	108	19.	23.065	61.	0.	139.687	11.819	11.9	14.	29.5	42.
00612	AMMONIA, UNIONZED (MG/L AS N)	11/01/95-05/19/97	13	0.1	0.093	0.23	0.	0.006	0.081	0.	0.01	0.155	0.226
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	108	25.	31.667	86.	16.	246.935	15.714	18.	20.	39.5	54.1
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	102	4.	4.784	12.	2.	3.973	1.993	3.	3.	6.	8.
00945p	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	106 ##	5.	6.462	22.	5.	14.575	3.818	5.	5.	5.	12.3
01055p	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	102 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/10/83-04/11/88	25	40.	114.12	480.	0.	18041.86	134.32	0.	28.	170.	384.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	05/10/83-04/11/88	25	1.602	1.663	2.681	0.	0.576	0.759	0.	1.446	2.23	2.584
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			46.077								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	82	10.	55.146	2080.	0.	56788.744	238.304	0.3	3.	26.25	72.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	82	1.	1.015	3.318	0.	0.468	0.684	0.	0.477	1.419	1.857
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.356								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	76	64.	1329.868	67600.	0.	60822249.609	7798.862	1.7	13.25	176.75	1598.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	76	1.805	1.732	4.83	0.	1.04	1.02	0.211	1.122	2.247	3.2
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			53.979								
74010p	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	106 ##	0.1	0.11	0.8	0.1	0.005	0.07	0.1	0.1	0.1	0.1
82078p	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	109	1.6	3.225	58.	0.	50.085	7.077	0.6	1.	2.65	5.6
82242p	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	108	8.	9.889	44.	4.	26.735	5.171	6.	7.	12.	15.1

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

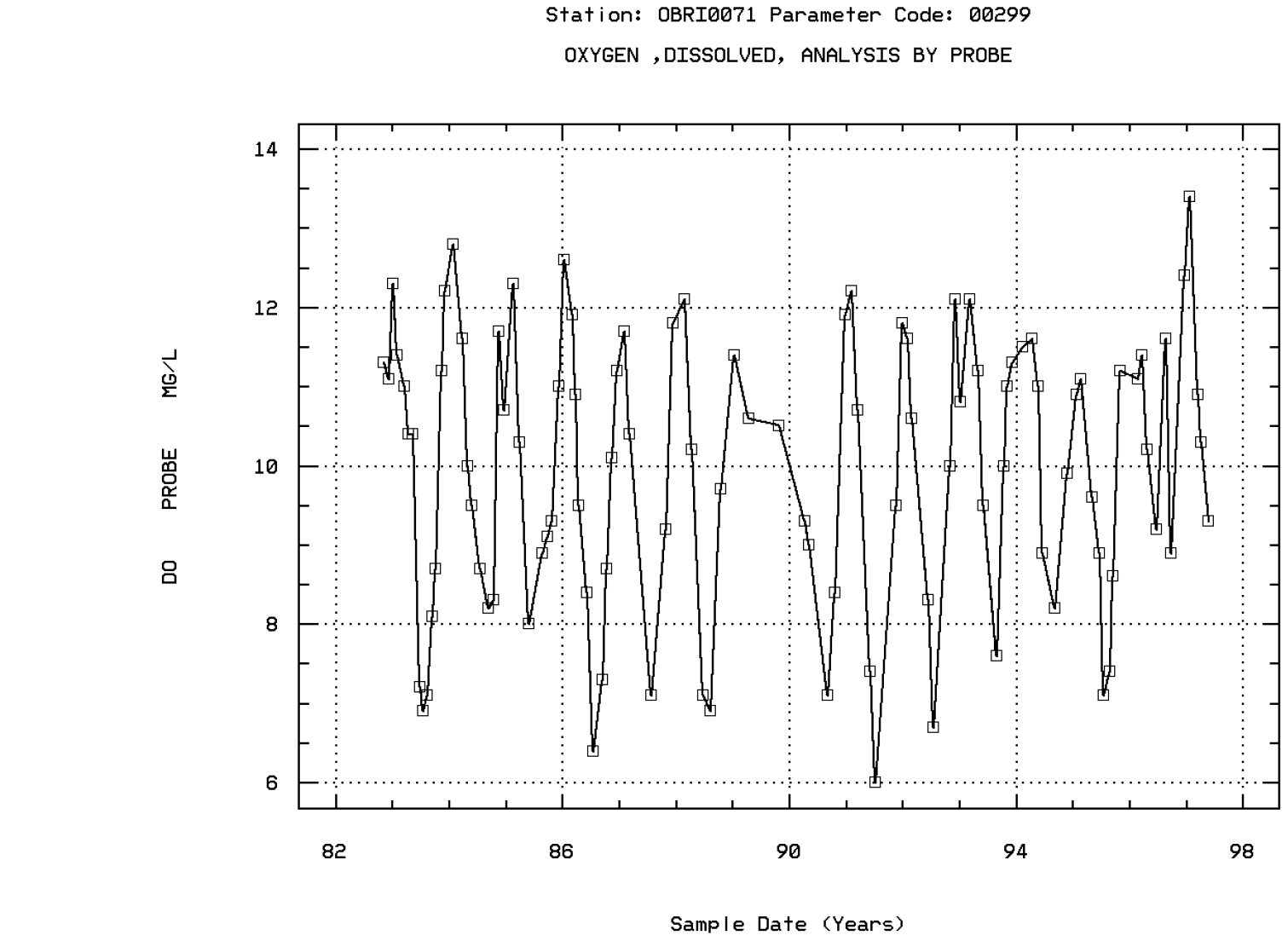
EPA Water Quality Criteria Analysis for Station: OBRI0071

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	103	0	0.00	23	0	0.00	47	0	0.00	33	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	97	0	0.00	18	0	0.00	44	0	0.00	35	0	0.00			
		Other-Lo Lim.	6.5	97	18	0.19	18	3	0.17	44	10	0.23	35	5	0.14			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	102	0	0.00	23	0	0.00	43	0	0.00	36	0	0.00			
		Drinking Water	250.	102	0	0.00	23	0	0.00	43	0	0.00	36	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	106	0	0.00	23	0	0.00	46	0	0.00	37	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	25	0	0.00	7	0	0.00	10	0	0.00	8	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	82	3	0.04	16	2	0.13	36	1	0.03	30	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	109	1	0.01	24	0	0.00	48	1	0.02	37	0	0.00			

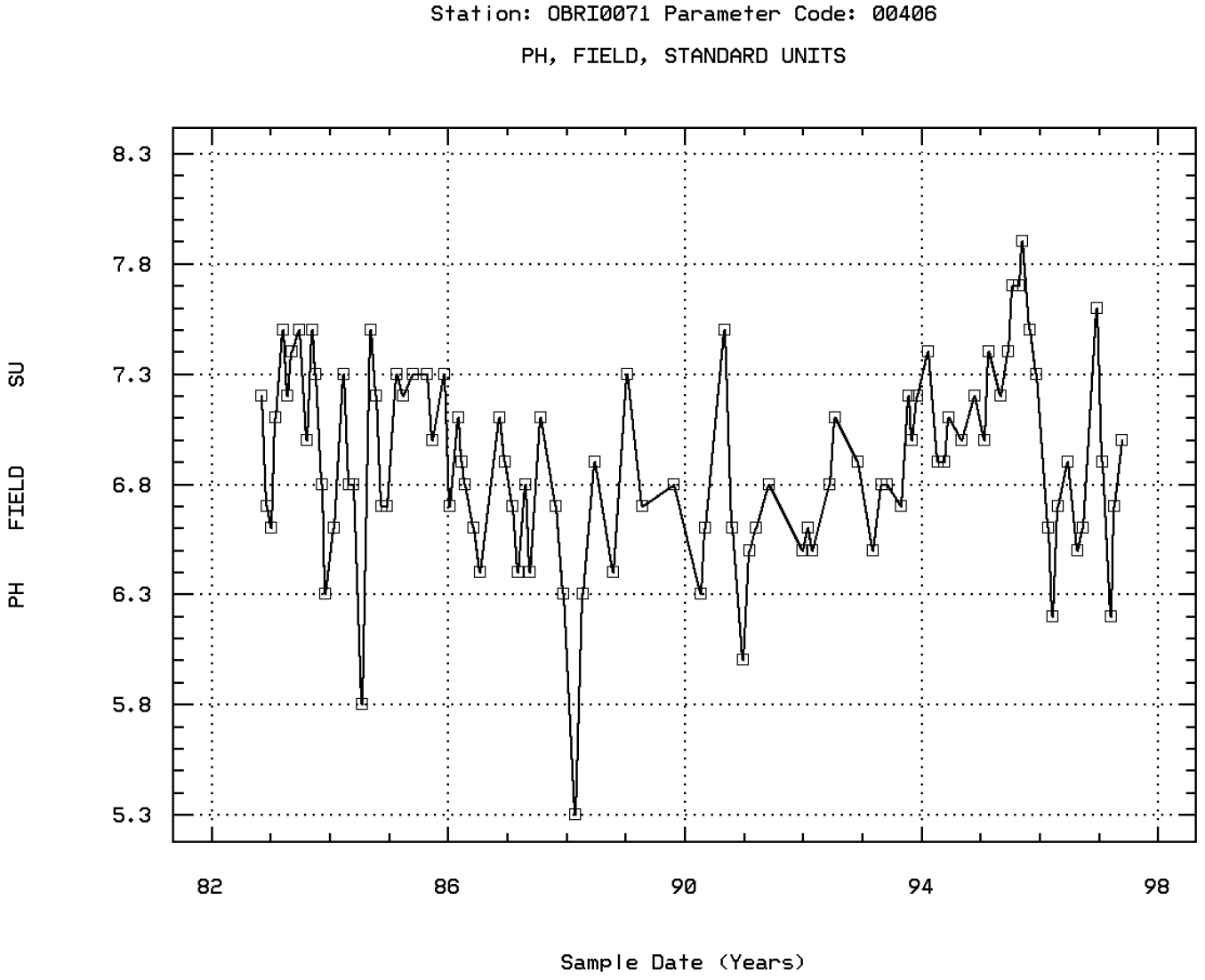
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



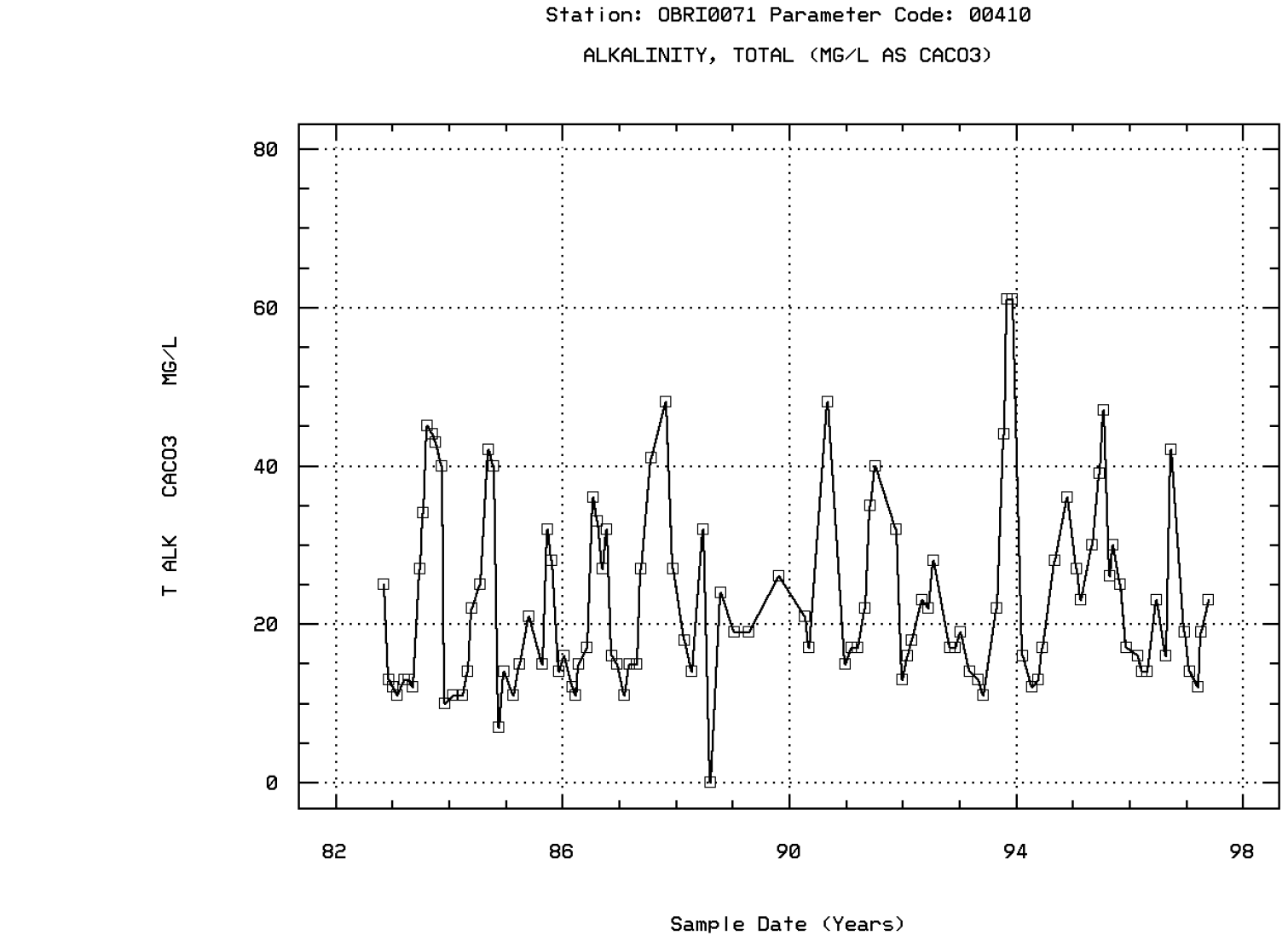
DADDYS CREEK AT DEVILS BREAKFAST TABLE



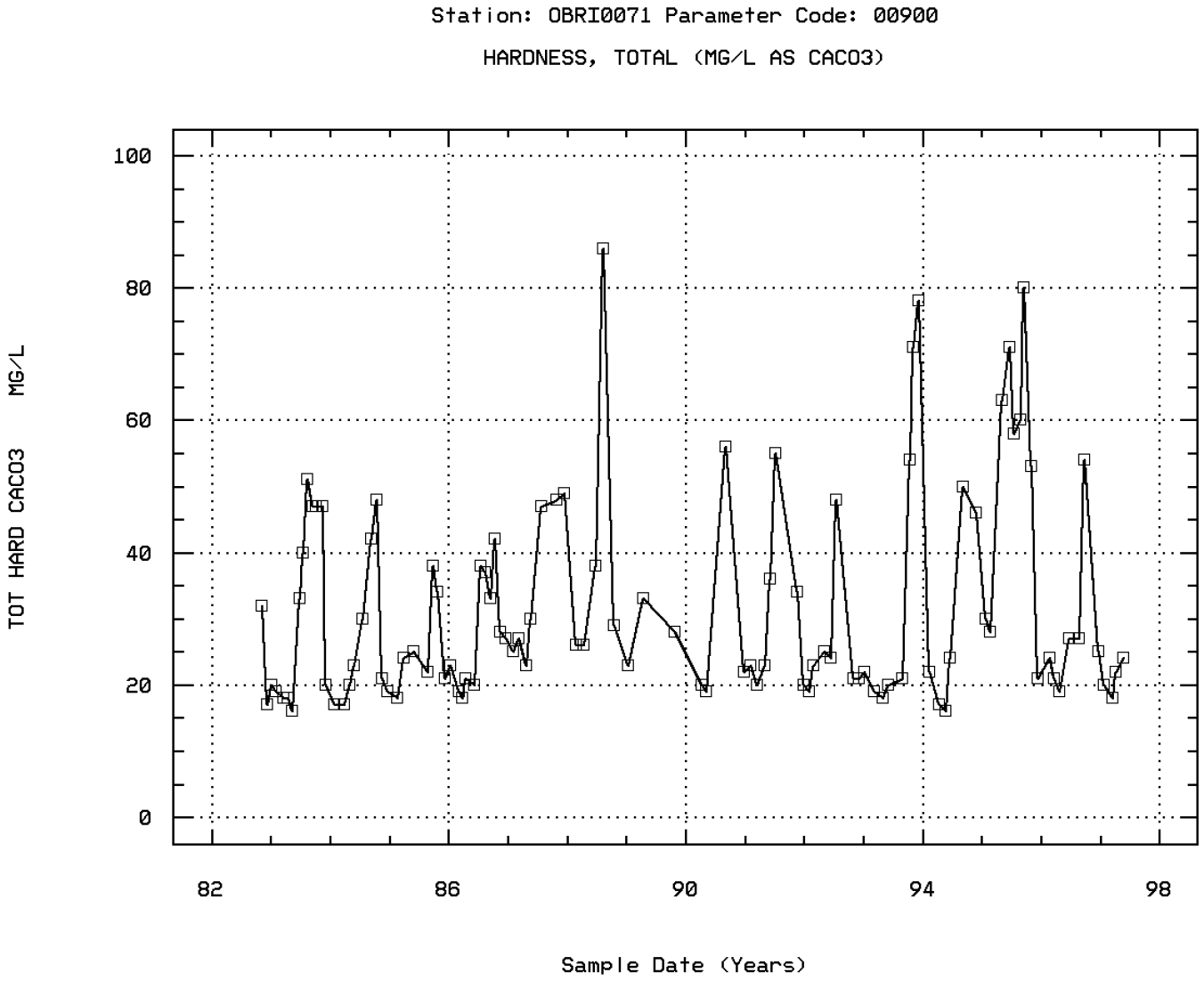
DADDYS CREEK AT DEVILS BREAKFAST TABLE



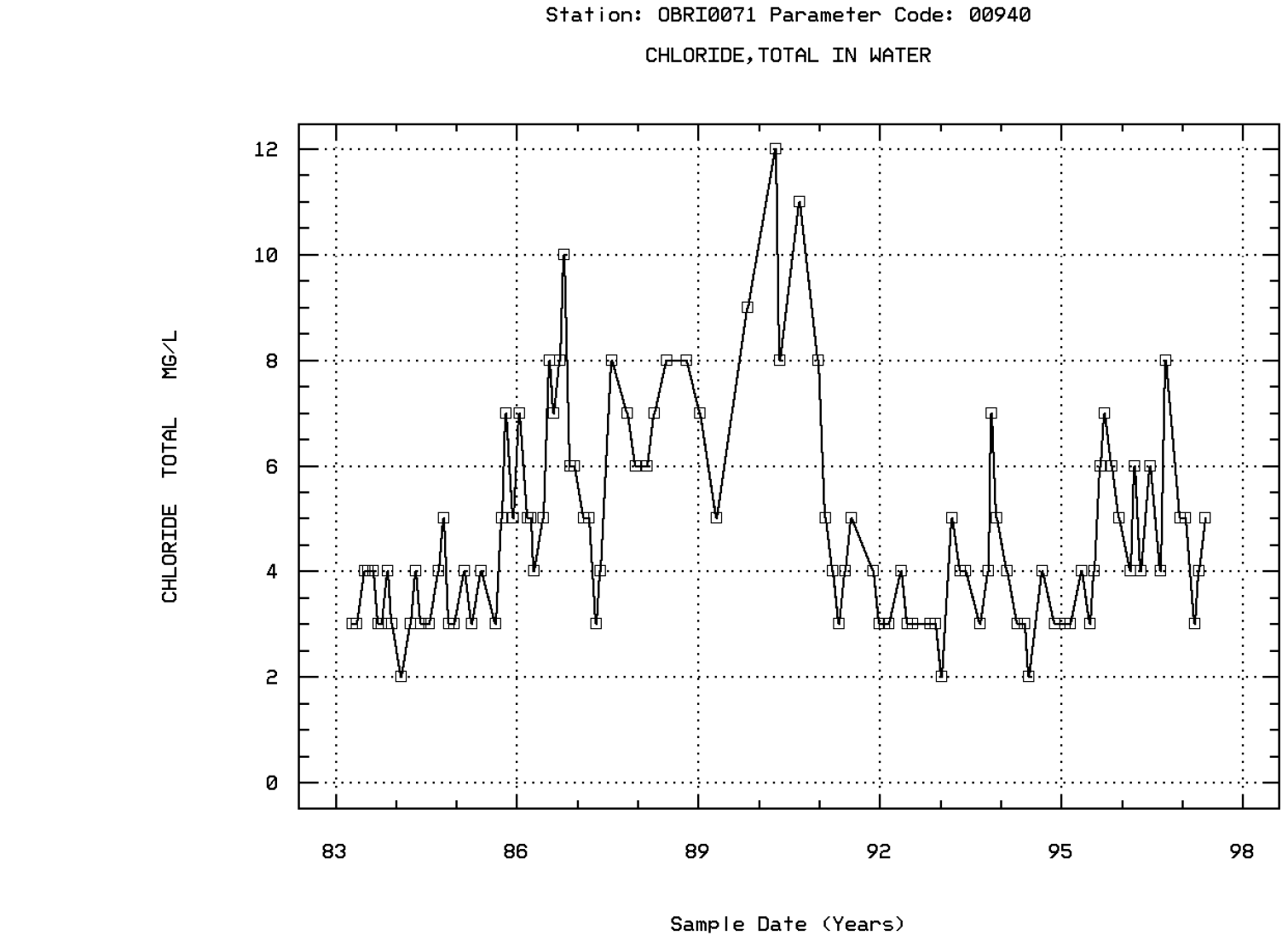
DADDYS CREEK AT DEVILS BREAKFAST TABLE



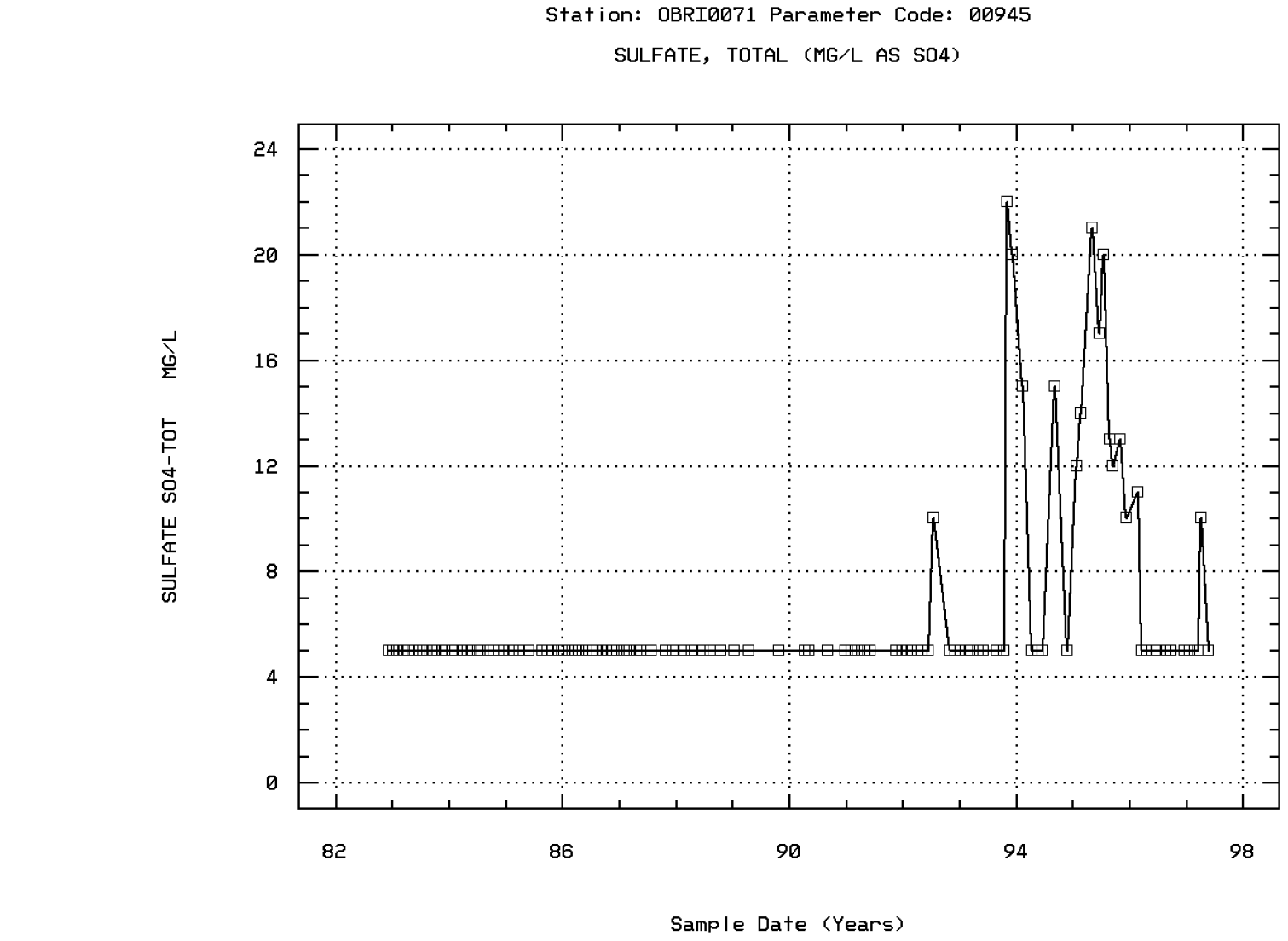
DADDYS CREEK AT DEVILS BREAKFAST TABLE



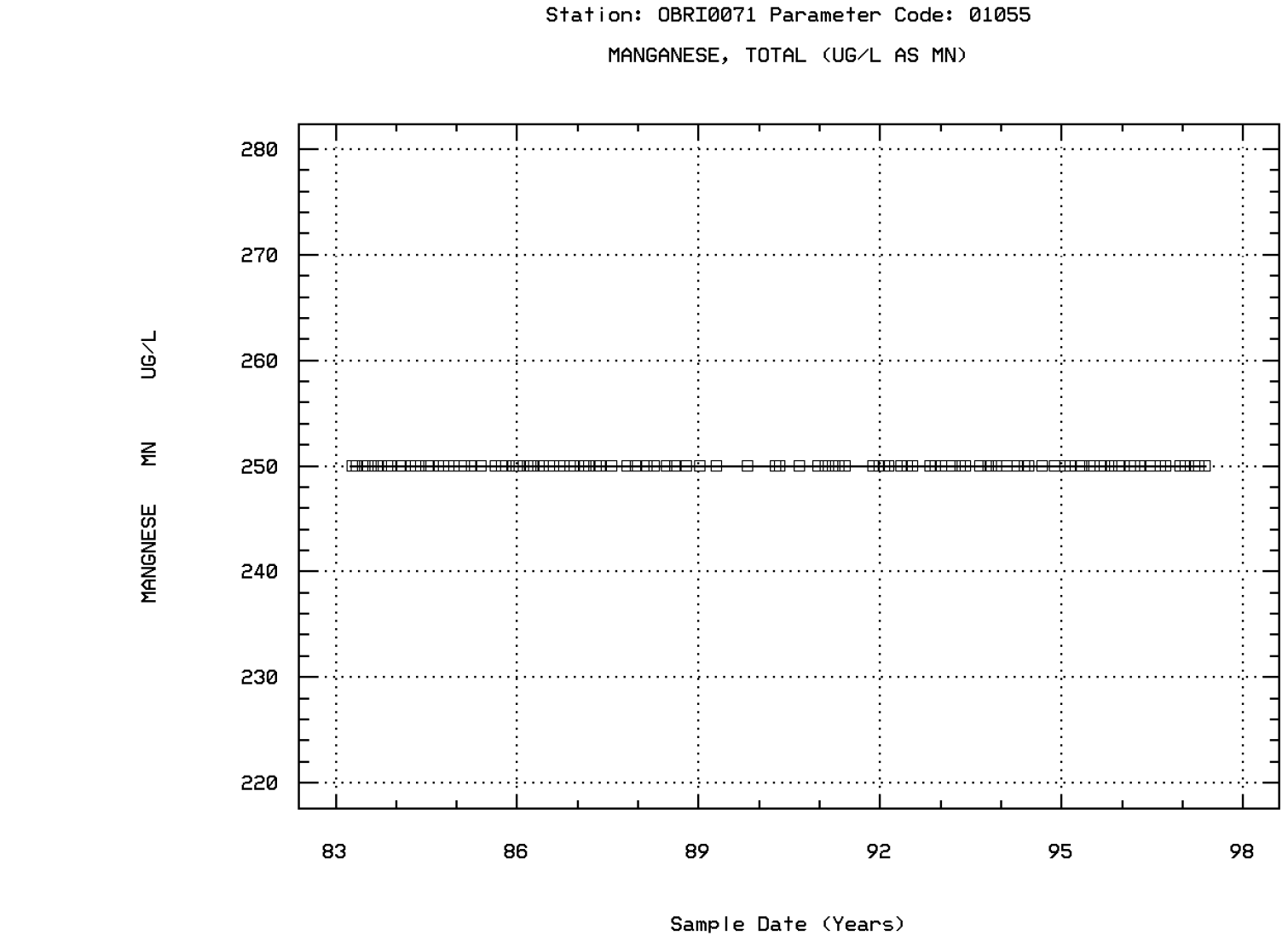
DADDYS CREEK AT DEVILS BREAKFAST TABLE



DADDYS CREEK AT DEVILS BREAKFAST TABLE



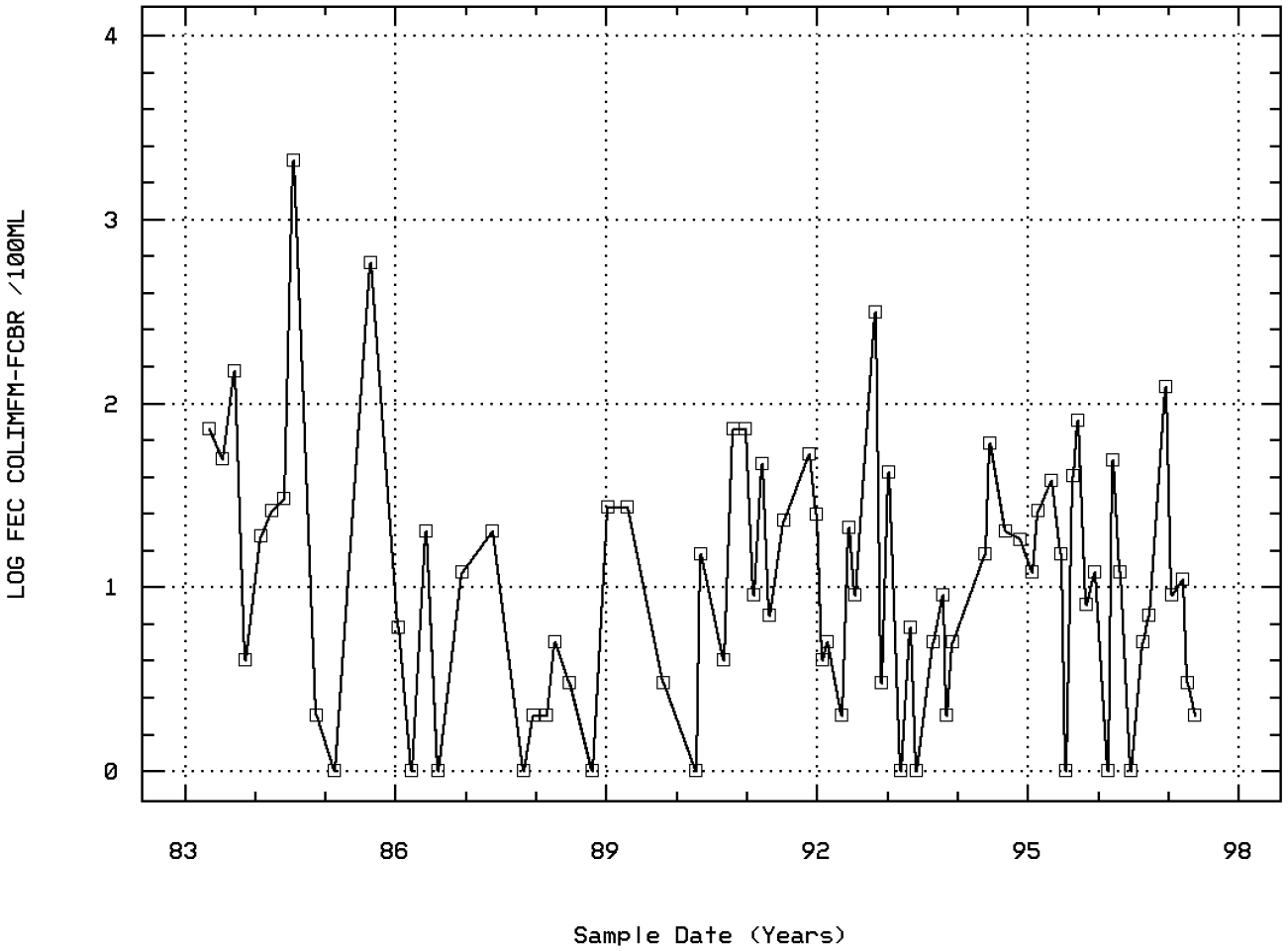
DADDYS CREEK AT DEVILS BREAKFAST TABLE



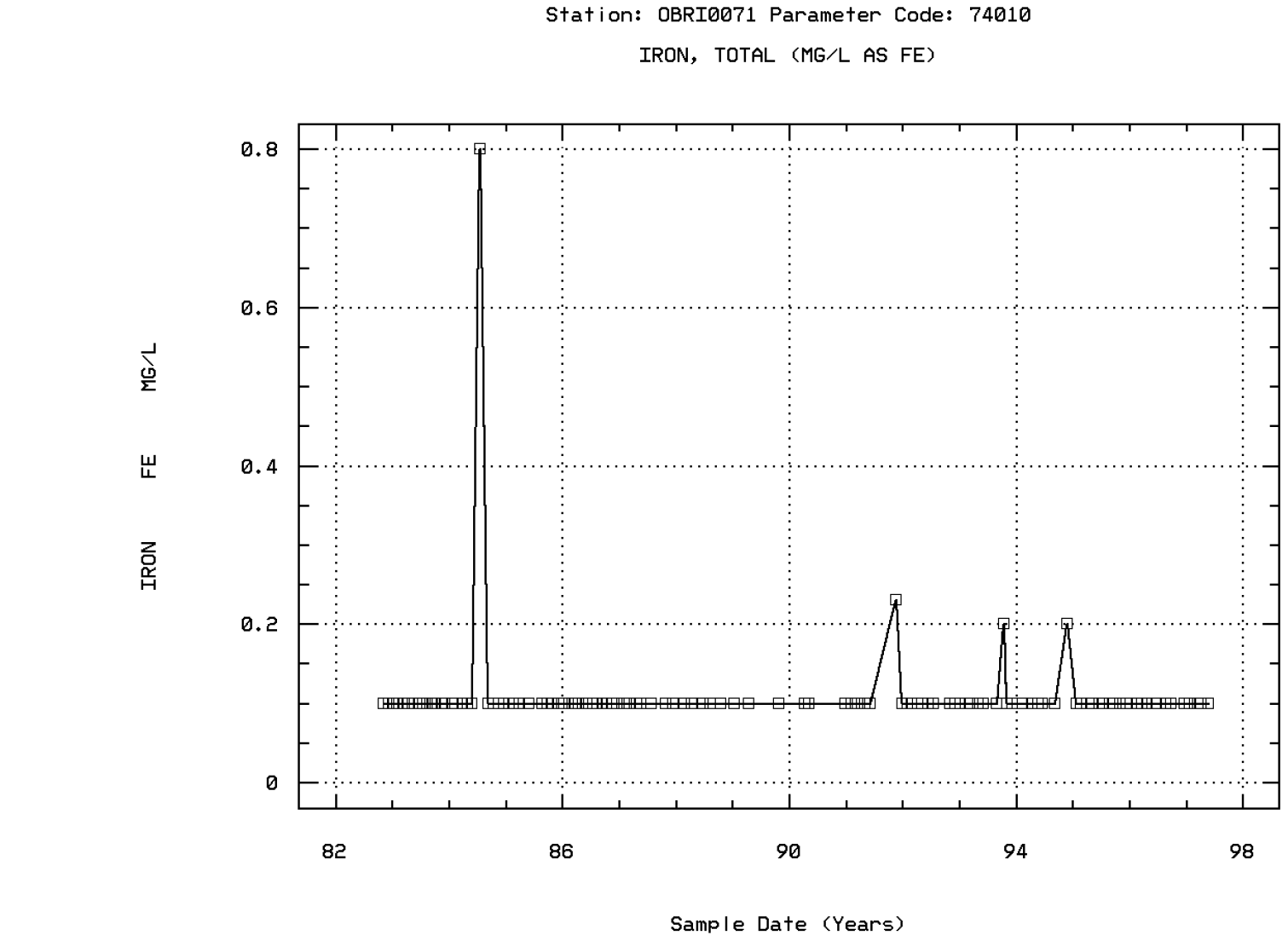
DADDYS CREEK AT DEVILS BREAKFAST TABLE

Station: OBRI0071 Parameter Code: 31616

LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



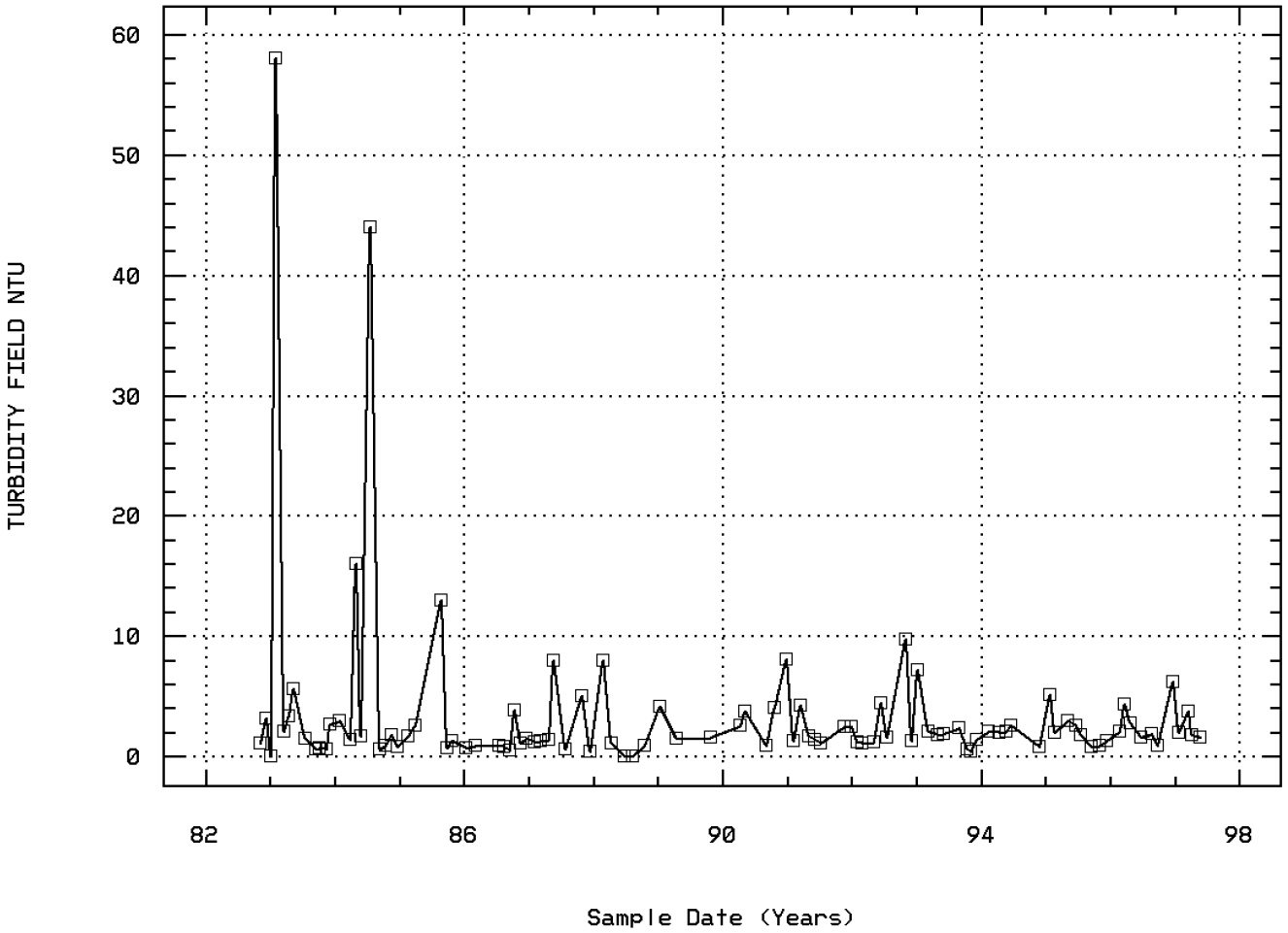
DADDYS CREEK AT DEVILS BREAKFAST TABLE



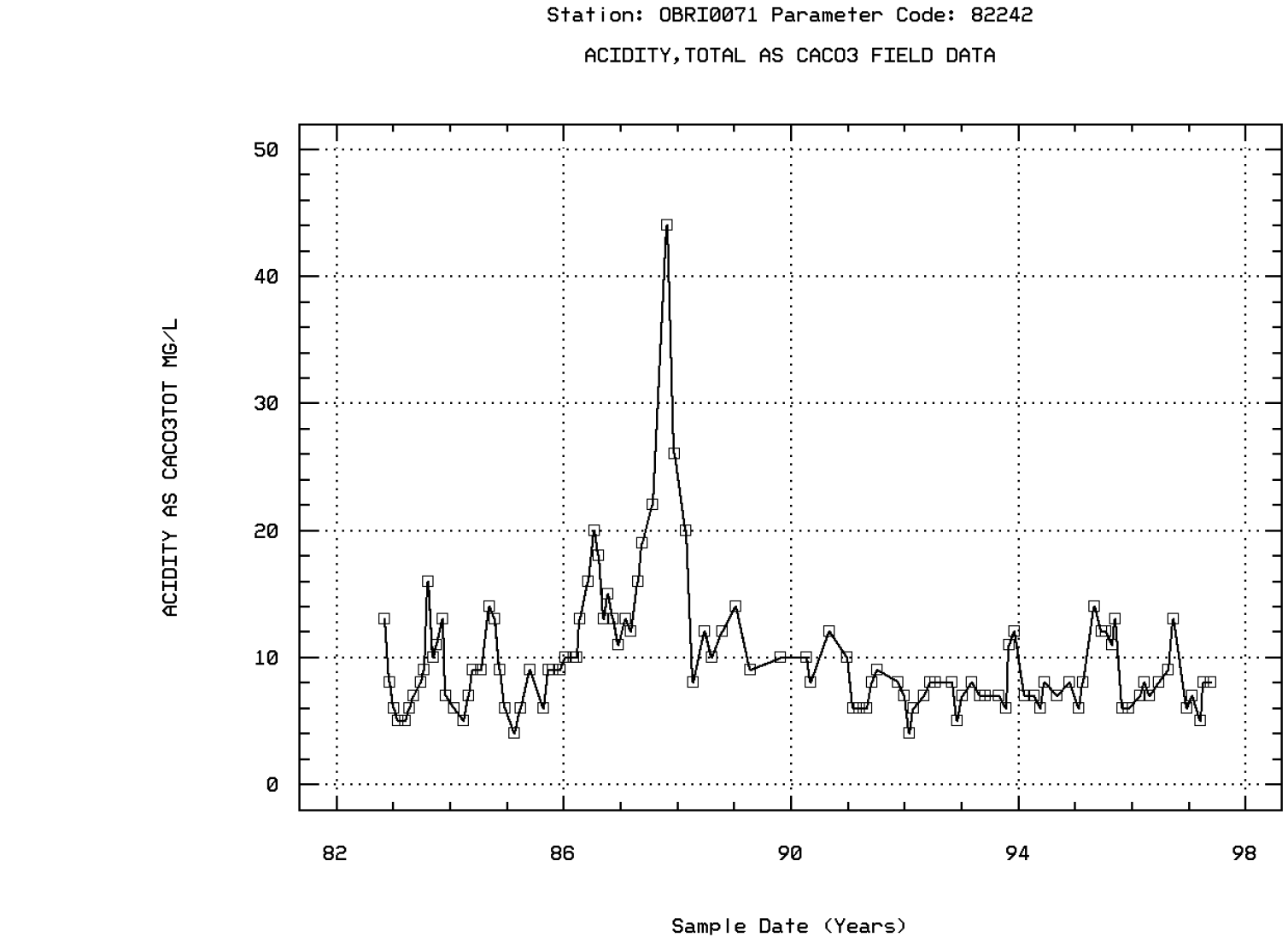
DADDYS CREEK AT DEVILS BREAKFAST TABLE

Station: OBRI0071 Parameter Code: 82078

TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY



DADDYS CREEK AT DEVILS BREAKFAST TABLE



DADDYS CREEK AT DEVILS BREAKFAST TABLE

Annual Analysis for 1982 - Station OBRI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	2	8.75	8.75	9.8	7.7	2.205	1.485	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	2	67.	67.	86.	48.	722.	26.87	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	2	19.	19.	25.	13.	72.	8.485	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	2	24.5	24.5	32.	17.	112.5	10.607	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	2	2.15	2.15	3.2	1.1	2.205	1.485	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	2	10.5	10.5	13.	8.	12.5	3.536	**	**	**	**

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

Annual Analysis for 1983 - Station OBRI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	12	13.05	15.325	26.2	5.5	59.502	7.714	5.83	8.175	23.5	26.05
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	12	64.5	75.083	121.	41.	1038.265	32.222	42.2	46.	107.25	119.2
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	12	20.	25.333	45.	10.	221.879	14.896	10.3	12.	42.25	44.7
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	12	26.5	31.333	51.	16.	200.061	14.144	16.6	18.25	47.	49.8
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	3.	3.444	4.	3.	0.278	0.527	3.	3.	4.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	12 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	9 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	12 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	12	1.25	6.425	58.	0.	266.186	16.315	0.18	0.625	3.15	42.28
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	12	7.5	8.583	16.	5.	11.538	3.397	5.	6.	10.75	15.1

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

Annual Analysis for 1984 - Station OBRI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	9	14.5	13.133	20.6	2.9	35.895	5.991	2.9	8.1	18.55	20.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	9	57.	71.	122.	47.	764.5	27.65	47.	51.5	94.	122.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	14.	20.667	42.	7.	164.	12.806	7.	11.	32.5	42.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	21.	26.333	48.	17.	129.5	11.38	17.	18.	36.	48.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	3.	3.333	5.	2.	0.75	0.866	2.	3.	4.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	9 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	9 ##	0.1	0.178	0.8	0.1	0.054	0.233	0.1	0.1	0.1	0.8
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	9	1.7	7.8	44.	0.6	207.918	14.419	0.6	0.85	9.5	44.
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	9	9.	8.667	14.	5.	9.75	3.122	5.	6.	11.	14.

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Annual Analysis for 1985 - Station OBRI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	15.1	13.957	20.3	4.3	32.136	5.669	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	63.	71.857	103.	52.	416.476	20.408	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	15.	19.429	32.	11.	62.286	7.892	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	24.	26.	38.	18.	53.	7.28	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	4.	4.429	7.	3.	1.952	1.397	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**

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Annual Analysis for 1985 - Station OBRI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	1.3	3.043	13.	0.7	19.67	4.435	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	9.	7.429	9.	4.	4.286	2.07	**	**	**	**

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Annual Analysis for 1986 - Station OBRI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	11	14.	14.191	25.6	0.3	72.715	8.527	1.08	7.1	21.7	25.54
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	11	58.	67.636	119.	10.	1324.255	36.39	13.2	43.	105.	117.6
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	11	16.	20.909	36.	11.	84.491	9.192	11.2	15.	32.	35.4
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	11	27.	27.818	42.	18.	72.164	8.495	18.2	20.	37.	41.2
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	11	6.	6.455	10.	4.	3.073	1.753	4.2	5.	8.	9.6
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	11 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	11 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	11 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	11	1.	1.2	3.8	0.5	0.806	0.898	0.54	0.8	1.1	3.34
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	11	13.	13.545	20.	10.	11.473	3.387	10.	10.	16.	19.6

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Annual Analysis for 1987 - Station OBRI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	11.5	14.157	28.	4.9	86.583	9.305	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	60.	69.	110.	30.	1148.	33.882	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	27.	26.286	48.	11.	196.238	14.009	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	30.	35.571	49.	23.	139.952	11.83	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	5.	5.429	8.	3.	2.952	1.718	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	1.3	2.557	8.	0.4	8.14	2.853	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	19.	21.714	44.	12.	120.905	10.996	**	**	**	**

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Annual Analysis for 1988 - Station OBRI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	5	12.4	16.4	26.5	5.3	86.55	9.303	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	5	75.	75.8	112.	53.	597.7	24.448	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	5	18.	17.6	32.	0.	142.8	11.95	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	5	29.	41.	86.	26.	657.	25.632	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	4	7.5	7.25	8.	6.	0.917	0.957	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	5 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	5	0.9	2.	8.	0.	11.505	3.392	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	5	12.	12.4	20.	8.	20.8	4.561	**	**	**	**

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Annual Analysis for 1989 - Station OBRI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	3	10.1	9.067	10.8	6.3	5.863	2.421	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	3	50.	50.333	56.	45.	30.333	5.508	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	3	19.	21.333	26.	19.	16.333	4.041	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	3	28.	28.	33.	23.	25.	5.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	3	7.	7.	9.	5.	4.	2.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	3 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	3	1.6	2.4	4.1	1.5	2.17	1.473	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	3	10.	11.	14.	9.	7.	2.646	**	**	**	**

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Annual Analysis for 1990 - Station OBRI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	5	13.5	13.66	25.4	5.5	55.573	7.455	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	5	35.	61.8	130.	4.	3011.2	54.874	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	19.	25.25	48.	15.	236.25	15.37	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	21.	29.25	56.	19.	319.583	17.877	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	4	9.5	9.75	12.	8.	4.25	2.062	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	4 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	5	3.7	3.86	8.1	0.9	7.093	2.663	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	4	10.	10.	12.	8.	2.667	1.633	**	**	**	**

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Annual Analysis for 1991 - Station OBRI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	6	9.8	13.433	26.5	4.3	96.315	9.814	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	52.5	60.	100.	30.	950.	30.822	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	22.	25.143	40.	13.	109.143	10.447	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	23.	30.143	55.	20.	162.476	12.747	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	4.	4.	5.	3.	0.667	0.816	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	6 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	6 ##	0.1	0.122	0.23	0.1	0.003	0.053	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	1.7	2.1	4.2	1.1	1.17	1.082	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	7.	7.143	9.	6.	1.476	1.215	**	**	**	**

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Annual Analysis for 1992 - Station OBRI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	6	10.8	12.783	24.7	5.3	60.718	7.792	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	37.5	42.5	70.	30.	237.5	15.411	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	18.	20.143	28.	16.	19.143	4.375	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	23.	25.857	48.	19.	99.476	9.974	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	3.	3.143	4.	3.	0.143	0.378	**	**	**	**

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Annual Analysis for 1992 - Station OBRI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7 ##	5.	5.714	10.	5.	3.571	1.89	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	1.3	2.929	9.7	1.1	10.292	3.208	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	7.	6.571	8.	4.	2.619	1.618	**	**	**	**

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Annual Analysis for 1993 - Station OBRI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	8	11.2	12.3	19.2	7.	24.86	4.986	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	8	77.5	72.5	125.	25.	1492.857	38.638	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	8	20.5	30.625	61.	11.	457.982	21.401	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	8	21.5	37.875	78.	18.	653.554	25.565	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	8	4.	4.25	7.	2.	2.214	1.488	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	8 ##	5.	9.	22.	5.	55.143	7.426	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	8 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	8 ##	0.1	0.113	0.2	0.1	0.001	0.035	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	8	1.85	2.225	7.2	0.4	4.534	2.129	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	8	7.	8.125	12.	6.	4.696	2.167	**	**	**	**

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Annual Analysis for 1994 - Station OBRI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	6	13.3	14.233	22.4	5.7	34.367	5.862	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	60.	60.	85.	35.	450.	21.213	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	16.5	20.333	36.	12.	91.467	9.564	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	23.	29.167	50.	16.	223.367	14.945	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	6	3.	3.167	4.	2.	0.567	0.753	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	6 ##	5.	8.333	15.	5.	26.667	5.164	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	6 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	6 ##	0.1	0.117	0.2	0.1	0.002	0.041	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	6	2.05	1.767	2.6	0.8	0.499	0.706	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	6	7.	7.167	8.	6.	0.567	0.753	**	**	**	**

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

Annual Analysis for 1995 - Station OBRI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	9	15.4	14.922	25.7	1.4	77.932	8.828	1.4	6.7	23.4	25.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	9	80.	81.111	120.	53.	612.111	24.741	53.	60.	102.5	120.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	27.	29.333	47.	17.	79.25	8.902	17.	24.	34.5	47.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	58.	51.556	80.	21.	423.278	20.574	21.	29.	67.	80.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	4.	4.556	7.	3.	2.278	1.509	3.	3.	6.	7.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	9	13.	14.667	21.	10.	14.5	3.808	10.	12.	18.5	21.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	9 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	9 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	9	1.8	2.056	5.1	0.8	1.89	1.375	0.8	0.95	2.8	5.1
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	9	11.	9.778	14.	6.	10.694	3.27	6.	6.	12.5	14.

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

Annual Analysis for 1996 - Station OBRI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	13.	14.257	23.2	6.4	53.213	7.295	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	61.	66.	112.	49.	481.333	21.939	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	16.	20.571	42.	14.	99.286	9.964	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	25.	28.143	54.	19.	138.81	11.782	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	5.	5.286	8.	4.	2.238	1.496	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7 ##	5.	5.857	11.	5.	5.143	2.268	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	2.1	2.829	6.2	0.9	3.359	1.833	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	8.	8.286	13.	6.	5.238	2.289	**	**	**	**

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

Annual Analysis for 1997 - Station OBRI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	4	11.65	11.1	17.9	3.2	44.82	6.695	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	4	52.	52.75	62.	45.	49.583	7.042	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	16.5	17.	23.	12.	24.667	4.967	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	21.	21.	24.	18.	6.667	2.582	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	4	4.5	4.25	5.	3.	0.917	0.957	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	4 ##	5.	6.25	10.	5.	6.25	2.5	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	4 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	4	1.9	2.275	3.7	1.6	0.929	0.964	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	4	7.5	7.	8.	5.	2.	1.414	**	**	**	**

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station OBRI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	24	22.8	22.546	28.	15.1	11.86	3.444	17.65	19.25	25.55	26.35
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	24	105.	100.542	130.	63.	343.563	18.535	71.5	81.25	112.	120.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	23	7.6	7.883	11.6	6.	1.469	1.212	6.52	7.1	8.7	9.02
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	18	7.1	7.089	7.9	5.8	0.288	0.537	6.34	6.675	7.5	7.72
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	18	7.1	6.717	7.9	5.8	0.435	0.659	6.34	6.675	7.5	7.72
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	18	0.079	0.192	1.585	0.013	0.133	0.365	0.019	0.032	0.212	0.517
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	24	32.5	32.333	48.	0.	134.493	11.597	15.5	26.25	42.	46.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	24	47.	46.208	86.	21.	245.737	15.676	24.5	37.25	54.75	70.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	23	4.	5.435	11.	3.	5.984	2.446	3.	3.	8.	9.2
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	23 ##	5.	6.957	20.	5.	17.043	4.128	5.	5.	5.	14.2
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	23 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	16	15.	191.438	2080.	0.	274043.463	523.492	0.	5.	72.5	1030.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	16	1.151	1.308	3.318	0.	0.84	0.917	0.	0.699	1.852	2.93
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			20.311								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	15	173.	5489.333	67600.	10.	299095615.095	17294.381	14.2	70.	2000.	31240.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	15	2.238	2.474	4.83	1.	1.074	1.036	1.138	1.845	3.301	4.239
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			297.676								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	22 ##	0.1	0.132	0.8	0.1	0.022	0.149	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	24	0.95	3.421	44.	0.	81.141	9.008	0.55	0.7	1.75	8.4
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	24	11.	11.792	22.	6.	16.868	4.107	7.	9.	13.75	19.

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

Seasonal Analysis for Season #2: 10/15 to 3/14 - Station OBRI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	48	7.2	7.992	17.6	0.3	13.973	3.738	4.1	5.425	10.7	12.69
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	47	53.	60.872	125.	30.	732.809	27.07	30.	45.	75.	111.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	47	11.2	11.128	13.4	8.3	1.236	1.112	9.46	10.5	11.9	12.32
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	44	6.8	6.832	7.6	5.3	0.193	0.44	6.35	6.6	7.2	7.35
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	44	6.8	6.519	7.6	5.3	0.293	0.542	6.35	6.6	7.2	7.35
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	44	0.158	0.303	5.012	0.025	0.559	0.748	0.045	0.063	0.251	0.45
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	47	17.	21.702	61.	7.	157.04	12.532	11.	14.	26.	40.8
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	47	23.	29.383	78.	17.	197.285	14.046	19.	20.	32.	49.8
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	43	5.	4.791	9.	2.	2.979	1.726	3.	3.	6.	7.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	46 ##	5.	6.674	22.	5.	16.447	4.055	5.	5.	5.	13.3
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	43 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	36	9.	25.611	314.	0.	3110.302	55.77	0.7	2.25	23.5	72.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	36	0.954	0.916	2.497	0.	0.409	0.639	0.	0.345	1.368	1.857
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.238								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	33	32.	302.03	3800.	0.	592276.155	769.595	0.4	5.	134.5	1364.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	33	1.505	1.505	3.58	0.	0.993	0.996	0.	0.69	2.128	3.133
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			31.982								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	47 ##	0.1	0.107	0.23	0.1	0.001	0.027	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	48	1.45	3.515	58.	0.	69.448	8.334	0.6	0.925	2.925	7.28
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	47	8.	9.83	44.	4.	42.362	6.509	5.8	6.	12.	13.2

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	35	14.5	15.569	26.5	8.1	27.428	5.237	9.04	11.8	19.3	24.94
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	35	50.	53.086	90.	4.	387.492	19.685	25.6	43.	70.	82.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	33	10.	9.752	11.6	7.1	1.561	1.249	7.64	8.95	10.8	11.32

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	35	6.8	6.866	7.5	6.2	0.125	0.353	6.3	6.7	7.2	7.4
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	35	6.8	6.73	7.5	6.2	0.144	0.379	6.3	6.7	7.2	7.4
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	35	0.158	0.186	0.631	0.032	0.026	0.16	0.04	0.063	0.2	0.501
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	37	17.	18.784	39.	11.	50.063	7.076	11.8	13.	22.5	30.4
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	37	22.	25.135	71.	16.	133.231	11.543	17.	18.5	25.5	36.4
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	36	4.	4.361	12.	2.	3.666	1.915	3.	3.	5.	7.3
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	37 ##	5.	5.892	21.	5.	10.988	3.315	5.	5.	5.	6.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/14/83-05/19/97	36 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	30	11.5	17.9	72.	0.	349.955	18.707	0.1	3.	26.25	48.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	30	1.06	0.978	1.857	0.	0.319	0.565	0.	0.477	1.419	1.688
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.515								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	28	42.5	312.964	5800.	0.	1186760.184	1089.385	1.8	15.5	137.5	612.9
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	28	1.628	1.603	3.763	0.	0.769	0.877	0.271	1.185	2.132	2.787
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			40.076								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	37 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	37	1.9	2.722	16.	0.	7.348	2.711	1.	1.4	3.15	4.64
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	37	8.	8.73	19.	5.	10.758	3.28	5.8	7.	9.5	14.4

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

Station Inventory for Station: OBRI0072

NPS Station ID: OBRI0072 LAT/LON: 36.058337/ -84.793060 Agency: 112WRD Date Created: 07/19/97
Location: DADDYS CREEK AT DEVILS BREAKFAST TABLE FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 03539690
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/96-07/24/96	1	27.4	27.4	27.4	27.4	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/96-07/24/96	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	07/24/96-07/24/96	1	728.	728.	728.	728.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/96-07/24/96	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/96-07/24/96	1	112.	112.	112.	112.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/24/96-07/24/96	1	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/24/96-07/24/96	1	8.05	8.05	8.05	8.05	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/24/96-07/24/96	1	8.05	8.05	8.05	8.05	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/96-07/24/96	1	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/24/96-07/24/96	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/24/96-07/24/96	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/96-07/24/96	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	07/24/96-07/24/96	1	52.	52.	52.	52.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/24/96-07/24/96	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/24/96-07/24/96	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/24/96-07/24/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/96-07/24/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/24/96-07/24/96	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/96-07/24/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/24/96-07/24/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/24/96-07/24/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	07/24/96-07/24/96	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	07/24/96-07/24/96	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/24/96-07/24/96	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/24/96-07/24/96	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/24/96-07/24/96	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/24/96-07/24/96	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/24/96-07/24/96	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/24/96-07/24/96	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/24/96-07/24/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/24/96-07/24/96	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/24/96-07/24/96	1	57.	57.	57.	57.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/24/96-07/24/96	1	15.	15.	15.	15.	0.	0.	**	**	**	**
04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	07/24/96-07/24/96	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/24/96-07/24/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/24/96-07/24/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/24/96-07/24/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/24/96-07/24/96	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: OBRI0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/24/96-07/24/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/24/96-07/24/96	1	7.	7.	7.	7.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	07/24/96-07/24/96	1	0.845	0.845	0.845	0.845	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			7.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/24/96-07/24/96	1	73.	73.	73.	73.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/24/96-07/24/96	1	1.863	1.863	1.863	1.863	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			73.								
34253	A-BHC-ALPHA DISSUG/L	07/24/96-07/24/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
34653	P,P'-DDE DISSUG/L	07/24/96-07/24/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/24/96-07/24/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38478	LINURON WATER,DISSUG/L	07/24/96-07/24/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
38482	MCPA WATER,DISSUG/L	07/24/96-07/24/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38487	MCPB WATER,DISSUG/L	07/24/96-07/24/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38501	METHIOCARB WATER,DISSUG/L	07/24/96-07/24/96	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
38538	PROPOXUR WATER,DISSUG/L	07/24/96-07/24/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38711	BENTAZON WATER, DISUG/L	07/24/96-07/24/96	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
38746	2,4-DB WATER, DISUG/L	07/24/96-07/24/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38811	FLUOMETURON WATER, DISUG/L	07/24/96-07/24/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38866	OXAMYL WATER, DISUG/L	07/24/96-07/24/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
38933	CHLORPYRIFOS,DISSOLVED UG/L	07/24/96-07/24/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	07/24/96-07/24/96	1	42.	42.	42.	42.	0.	0.	**	**	**	**
39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	07/24/96-07/24/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/24/96-07/24/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39415	METOLACHLOR, WATER, DISSOLVED UG/L	07/24/96-07/24/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/24/96-07/24/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/24/96-07/24/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/24/96-07/24/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39632	ATRAZINE DISSOLVED IN WATER PPB	07/24/96-07/24/96	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/24/96-07/24/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/24/96-07/24/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/24/96-07/24/96	1 ##	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**
46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	07/24/96-07/24/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
49235	TRICLOPYR,RECOVERABLE,WATER,FILTER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49236	PROPHAM, RECOVERABLE,WATER,FILTER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49260	ACETOCHLOR, RECOVERABLE, WATER, FILTERED UG/L	07/24/96-07/24/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
49291	PICLORAM,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49292	ORYZALIN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
49293	NORFLURAZON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
49294	NEBURON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
49295	NAPTHOL,1-,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
49296	METHOMYL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
49297	FENURON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
49298	ESFENVALERATE,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
49299	CRESOL,O-,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49300	DIURON, RECV,FILTERED, WATER, GF, 0.7U UG/L	07/24/96-07/24/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
49301	DINOSEB, RECV, FILTERED, WATER, GF, 0.7U UG/L	07/24/96-07/24/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49302	DICHLORPROP,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
49303	DICHLOBENIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
49304	DACTHAL, RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
49305	CLOPYRALID,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49306	CHLOROTHALONIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49307	AMIBEN, RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
49308	HYDROXYCARBOFURAN,3-,RECV,FILT,WATER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
49309	CARBOFURAN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.014	0.014	0.014	0.014	0.	0.	**	**	**	**
49310	CARBARYL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
49311	BROMOXYNIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49312	ALDICARB, RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
49313	ALDICARB SULFONE,RECV,FILTERED,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
49314	ALDICARB SULFOXIDE,RECV,FILTERED,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**
49315	ACIFLUORFEN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/24/96-07/24/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/96-07/24/96	1	63.	63.	63.	63.	0.	0.	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	07/24/96-07/24/96	1	31.	31.	31.	31.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/24/96-07/24/96	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

Parameter Inventory for Station: OBRI0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	07/24/96-07/24/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	07/24/96-07/24/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	07/24/96-07/24/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/24/96-07/24/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0072

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVE	Drinking Water	4.	1	0	0.00	1	0	0.00									
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
34653	P,P'-DDE, DISSOLVED	Fresh Acute	1050.	1	0	0.00	1	0	0.00									
38866	OXAMYL, DISSOLVED	Drinking Water	200.	1	0	0.00	1	0	0.00									
38933	CHLORPYRIFOS, DISSOLVED	Fresh Acute	0.083	1	0	0.00	1	0	0.00									
39341	GAMMA-BHC(LINDANE), DISSOLVED	Fresh Acute	2.	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	2.5	1	0	0.00	1	0	0.00									
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	0.065	1	0	0.00	1	0	0.00									
39632	ATRAZINE DISSOLVED IN WATER	Drinking Water	3.	1	0	0.00	1	0	0.00									
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE	Drinking Water	70.	1	0	0.00	1	0	0.00									
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE	Drinking Water	50.	1	0	0.00	1	0	0.00									
46342	ALACHLOR (LASSO), WATER, DISSOLVED	Drinking Water	2.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: OBRI0073

NPS Station ID: OBRI0073
LAT/LON: 36.019059/ -84.794309
Agency: 11NPSWRD
Date Created: 07/04/98
Location: YELLOW CREEK AT LONG BRIDGE
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_NPS_YC10
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE HEBBERTSBURG TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS OUTSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT YELLOW CREEK NEAR LONG BRIDGE; 0.2 KM NORTH OF HERBERTSBURG (STREAM MILE 1.6). DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSEE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NPS WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/02/80-03/02/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	03/02/80-03/02/80	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/02/80-03/02/80	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/02/80-03/02/80	1	13.2	13.2	13.2	13.2	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	03/02/80-03/02/80	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/02/80-03/02/80	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/02/80-03/02/80	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/02/80-03/02/80	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	03/02/80-03/02/80	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/02/80-03/02/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	03/02/80-03/02/80	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	03/02/80-03/02/80	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/02/80-03/02/80	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/02/80-03/02/80	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/02/80-03/02/80	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/02/80-03/02/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/02/80-03/02/80	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/02/80-03/02/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/02/80-03/02/80	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

Parameter Inventory for Station: OBRI0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/02/80-03/02/80	1	30.	30.	30.	30.	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	03/02/80-03/02/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	03/02/80-03/02/80	1	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			2.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/02/80-03/02/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/02/80-03/02/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.								
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	03/02/80-03/02/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/02/80-03/02/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	03/02/80-03/02/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0073

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	1	0	0.00				1	0	0.00						
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: OBRI0074

NPS Station ID: OBRI0074
LAT/LON: 36.144726/ -84.794448
Agency: 131TVAC
Date Created: / /
Location: ABOVE CARDEN BRANCH
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475181 /3587
RMI-Indexes: 1021500 007720 00920 7930 0250 1010 0160 0300
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 004.43 08.79 02.50
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: CLINCH RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: WHITE CREEK 2.5
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.90
On/Off RF1:
RF3 Index: 06010208000412.83
RF3 Mile Point: 15.16
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-06/23/67	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/23/67-06/23/67	1	220.	220.	220.	220.	0.	0.	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	06/23/67-06/23/67	1	2.342	2.342	2.342	2.342	0.	0.	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			220.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/23/67-06/23/67	1	60.	60.	60.	60.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/23/67-06/23/67	1	1.778	1.778	1.778	1.778	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			60.								

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

EPA Water Quality Criteria Analysis for Station: OBRI0074

				Total	Exceed	Prop.	7/01-10/14			10/15-3/14			3/15-6/30			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1	0	0.00							1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: OBRI0075

NPS Station ID: OBRI0075 LAT/LON: 36.122810/ -84.795087 Agency: 11NPSWRD Date Created: 05/09/98
Location: CLEAR CREEK AT BARNETT BRIDGE (WALTMAN FORD) FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): OBRI_NPS_CC-2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: TENNESSEE RIVER MAIN STEM AND MINOR TRIB ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE HEBBERTSBURG TN-MORGAN CO 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS ON A STREAM INSIDE THE BOUNDARY OF THE OBED WILD AND SCENIC RIVER. THE SITE IS ON CLEAR CREEK AT THE BARNETT BRIDGE (WALTMAN FORD). THE SITE IS SAMPLED FOR PH; CONDUCTIVITY; METALS; AND COLIFORMS. THE SAMPLING WAS BEGUN TO ENSURE THAT THE WILD AND SCENIC RIVER WAS PROTECTED AND PRESERVED AS MANDATED IN THE EARLY 1980'S. THE SAMPLING WAS DONE BY PARK PERSONNEL. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES; OBED WILD AND SCENIC RIVER; P.O. BOX 429; WARTBURG TN 37887-0429 (TEL. 423-346-6294). DATA WERE 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: OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	106	11.9	13.461	28.	0.3	51.556	7.18	4.9	7.575	19.725	24.65
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	105	45.	46.724	115.	20.	245.144	15.657	30.	37.5	55.	60.8
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	102	10.1	9.861	13.5	6.5	2.643	1.626	7.43	8.6	11.1	11.8
00406p	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	97	6.9	6.865	7.4	5.8	0.112	0.334	6.4	6.65	7.1	7.3
00406p	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	97	6.9	6.71	7.4	5.8	0.136	0.369	6.4	6.65	7.1	7.3
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	97	0.126	0.195	1.585	0.04	0.051	0.226	0.05	0.079	0.225	0.398
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	105	9.	9.771	19.	4.	13.14	3.625	5.	7.	13.	14.
00612	AMMONIA, UNIONZED (MG/L AS N)	10/17/95-05/19/97	12	0.09	0.103	0.31	0.	0.012	0.11	0.	0.	0.173	0.301
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	105	16.	19.076	78.	9.	120.052	10.957	13.	14.	20.	26.
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	99	5.	5.337	17.	0.4	7.917	2.814	2.	4.	6.	9.
00945p	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	103 ##	5.	7.427	27.	5.	22.129	4.704	5.	5.	10.	14.6
01055p	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	100 ##	250.	252.5	500.	250.	625.	25.	250.	250.	250.	250.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/10/83-04/11/88	25	32.	139.64	970.	0.	50189.74	224.031	0.	5.	235.	418.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	05/10/83-04/11/88	25	1.505	1.462	2.987	0.	0.897	0.947	0.	0.661	2.37	2.619
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			28.991								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	83	8.	54.867	808.	0.	19413.921	139.334	0.	1.	20.	154.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	83	0.903	0.937	2.907	0.	0.651	0.807	0.	0.	1.301	2.184
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			8.655								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	75	90.	799.133	23200.	0.	9319376.09	3052.765	1.	7.	220.	1032.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	75	1.954	1.736	4.365	0.	1.085	1.042	0.	0.845	2.342	3.007
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			54.5								
74010p	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	103 ##	0.1	0.102	0.34	0.1	0.001	0.024	0.1	0.1	0.1	0.1
82078p	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	105	1.5	2.884	38.	0.5	25.293	5.029	0.8	1.	2.2	5.66
82242p	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	105	7.	7.619	20.	3.	8.719	2.953	5.	5.	9.	12.

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

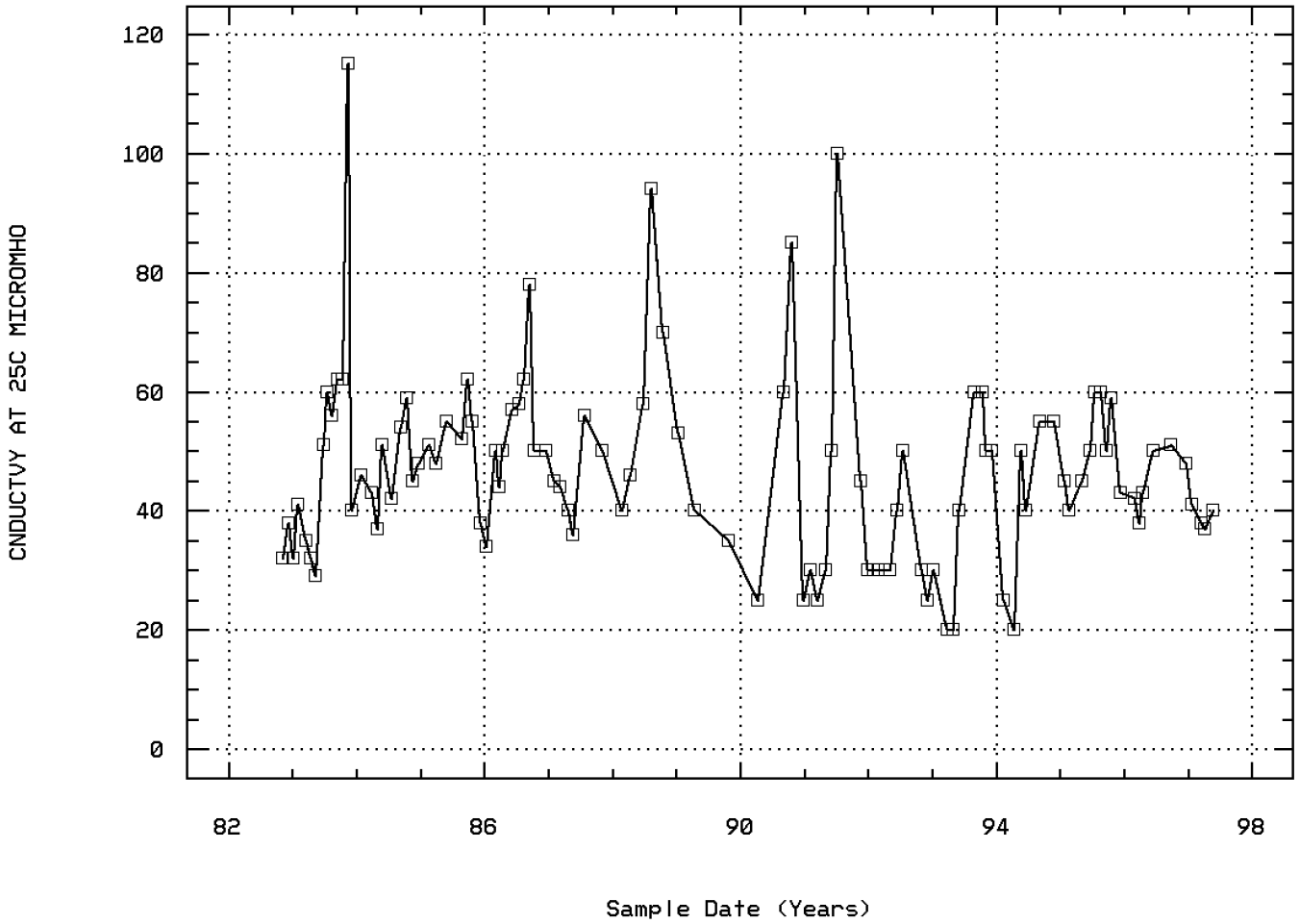
EPA Water Quality Criteria Analysis for Station: OBRI0075

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	102	0	0.00	21	0	0.00	46	0	0.00	35	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	97	0	0.00	16	0	0.00	44	0	0.00	37	0	0.00			
		Other-Lo Lim.	6.5	97	16	0.16	16	4	0.25	44	6	0.14	37	6	0.16			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	99	0	0.00	21	0	0.00	41	0	0.00	37	0	0.00			
		Drinking Water	250.	99	0	0.00	21	0	0.00	41	0	0.00	37	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	103	0	0.00	21	0	0.00	44	0	0.00	38	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	25	0	0.00	7	0	0.00	10	0	0.00	8	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	83	7	0.08	16	1	0.06	36	4	0.11	31	2	0.06			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	105	0	0.00	21	0	0.00	46	0	0.00	38	0	0.00			

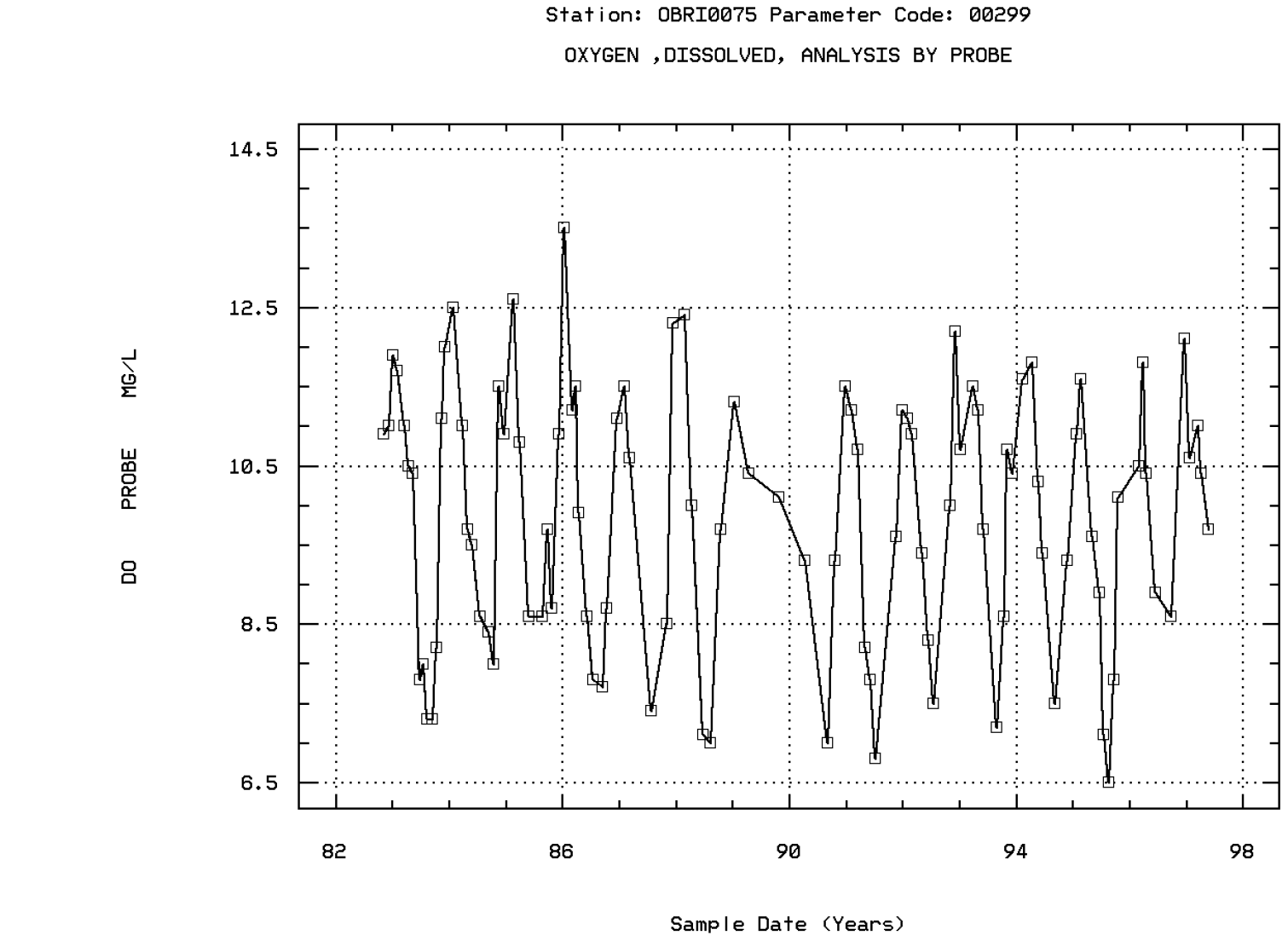
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: OBRI0075 Parameter Code: 00095

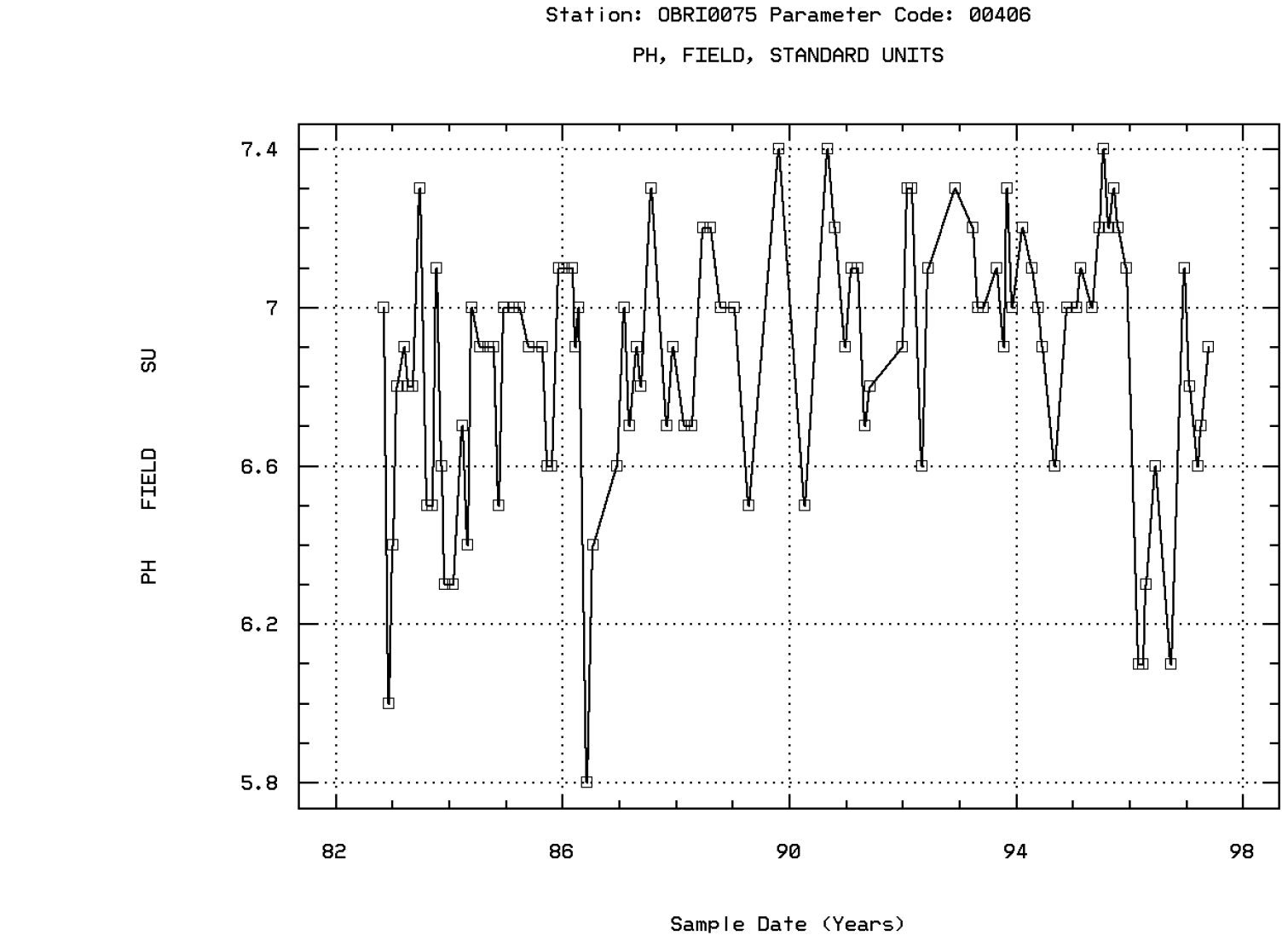
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



CLEAR CREEK AT BARNETT BRIDGE (WALTMAN



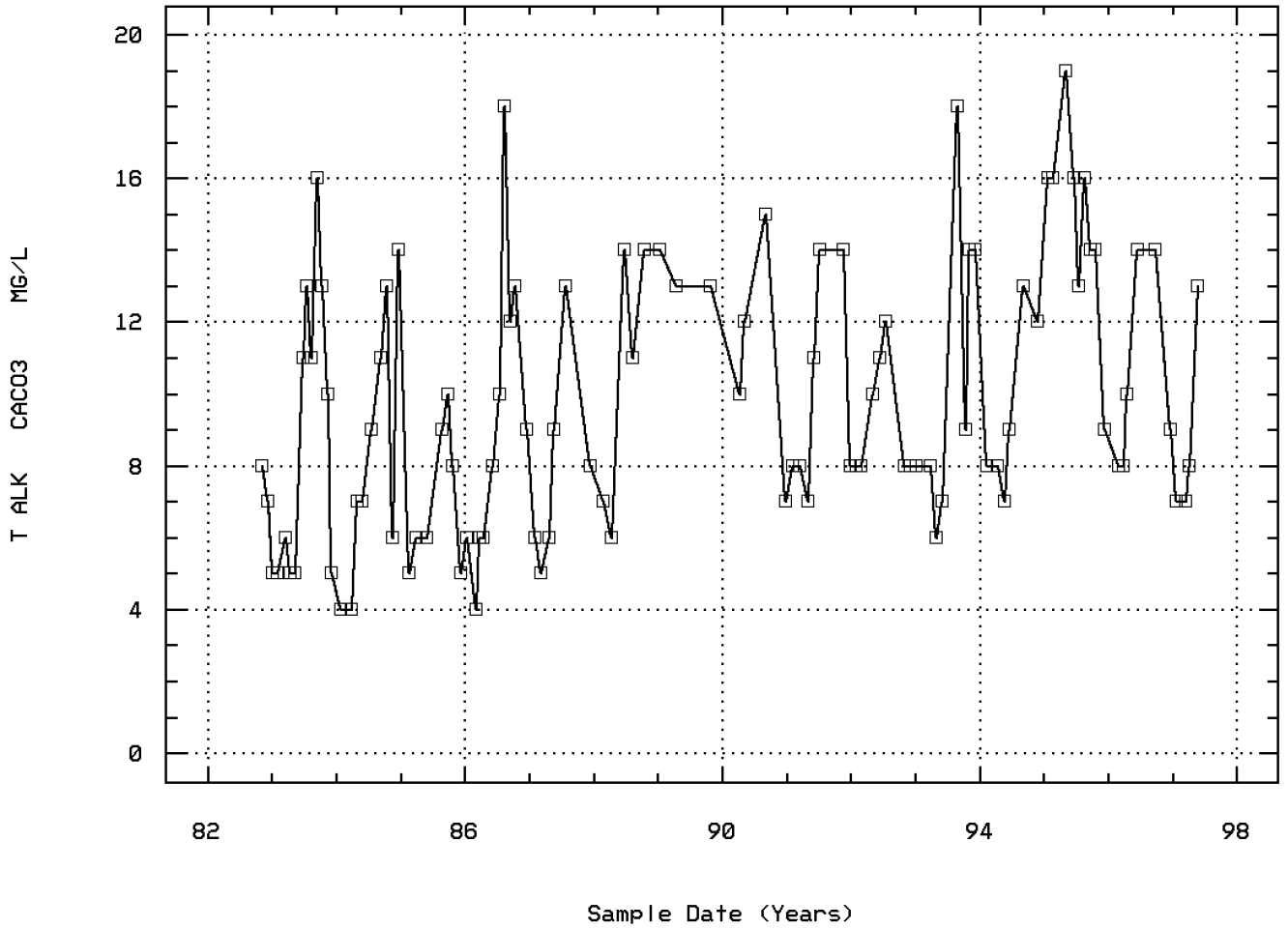
CLEAR CREEK AT BARNETT BRIDGE (WALTMAN



CLEAR CREEK AT BARNETT BRIDGE (WALTMAN

Station: OBRI0075 Parameter Code: 00410

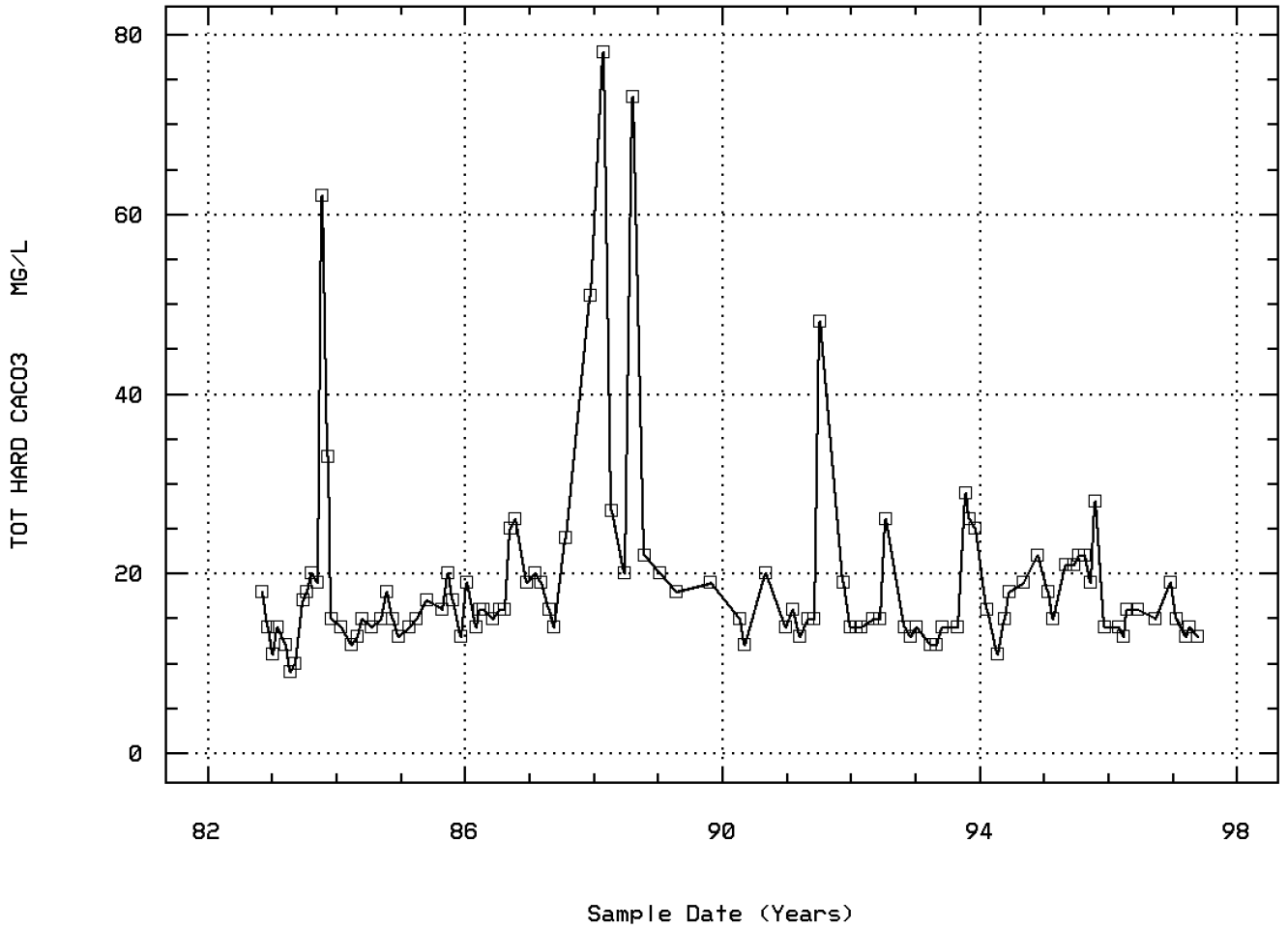
ALKALINITY, TOTAL (MG/L AS CACO3)



CLEAR CREEK AT BARNETT BRIDGE (WALTMAN

Station: OBRI0075 Parameter Code: 00900

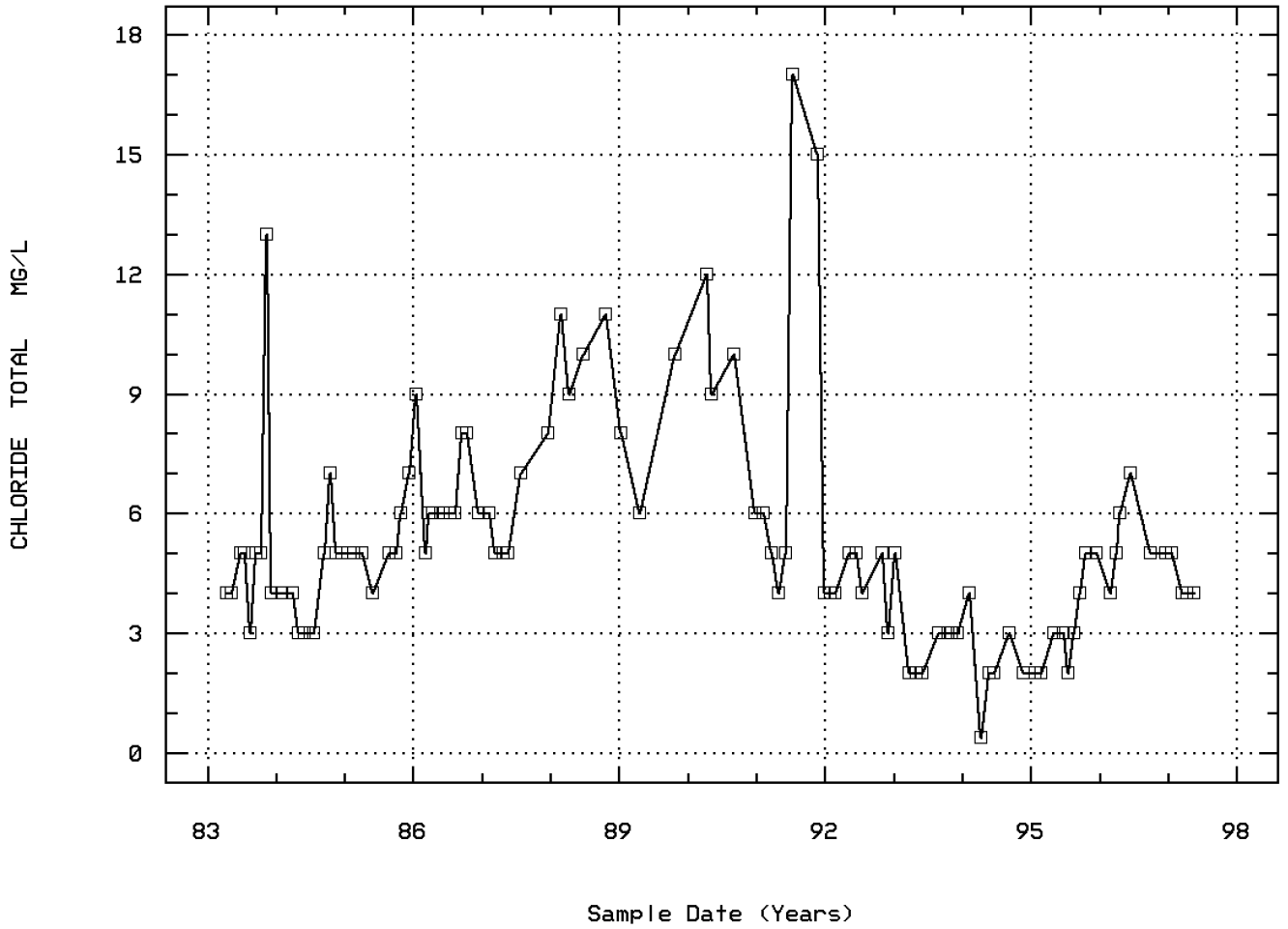
HARDNESS, TOTAL (MG/L AS CACO3)



CLEAR CREEK AT BARNETT BRIDGE (WALTMAN

Station: OBRI0075 Parameter Code: 00940

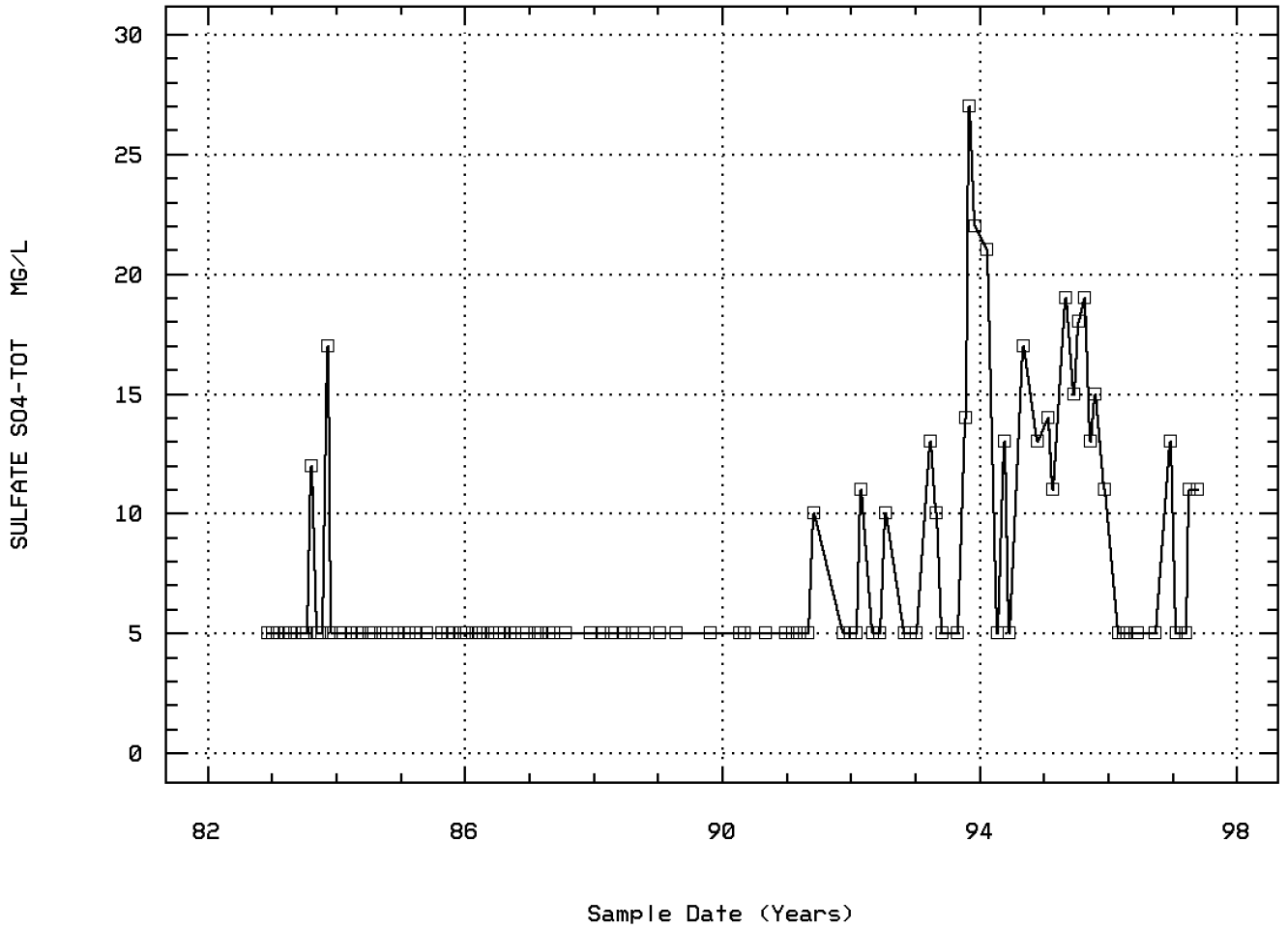
CHLORIDE,TOTAL IN WATER



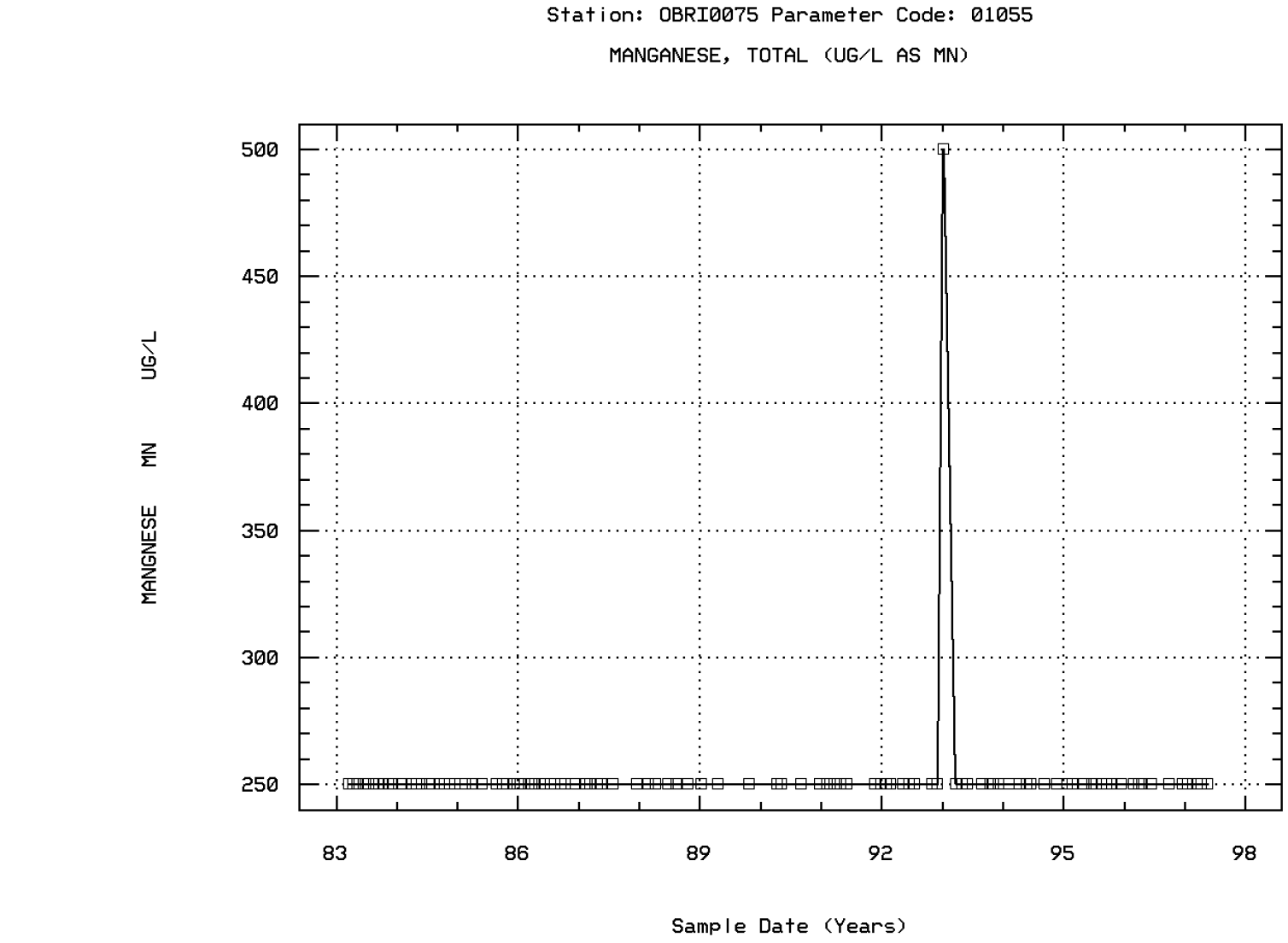
CLEAR CREEK AT BARNETT BRIDGE (WALTMAN

Station: OBRI0075 Parameter Code: 00945

SULFATE, TOTAL (MG/L AS SO4)



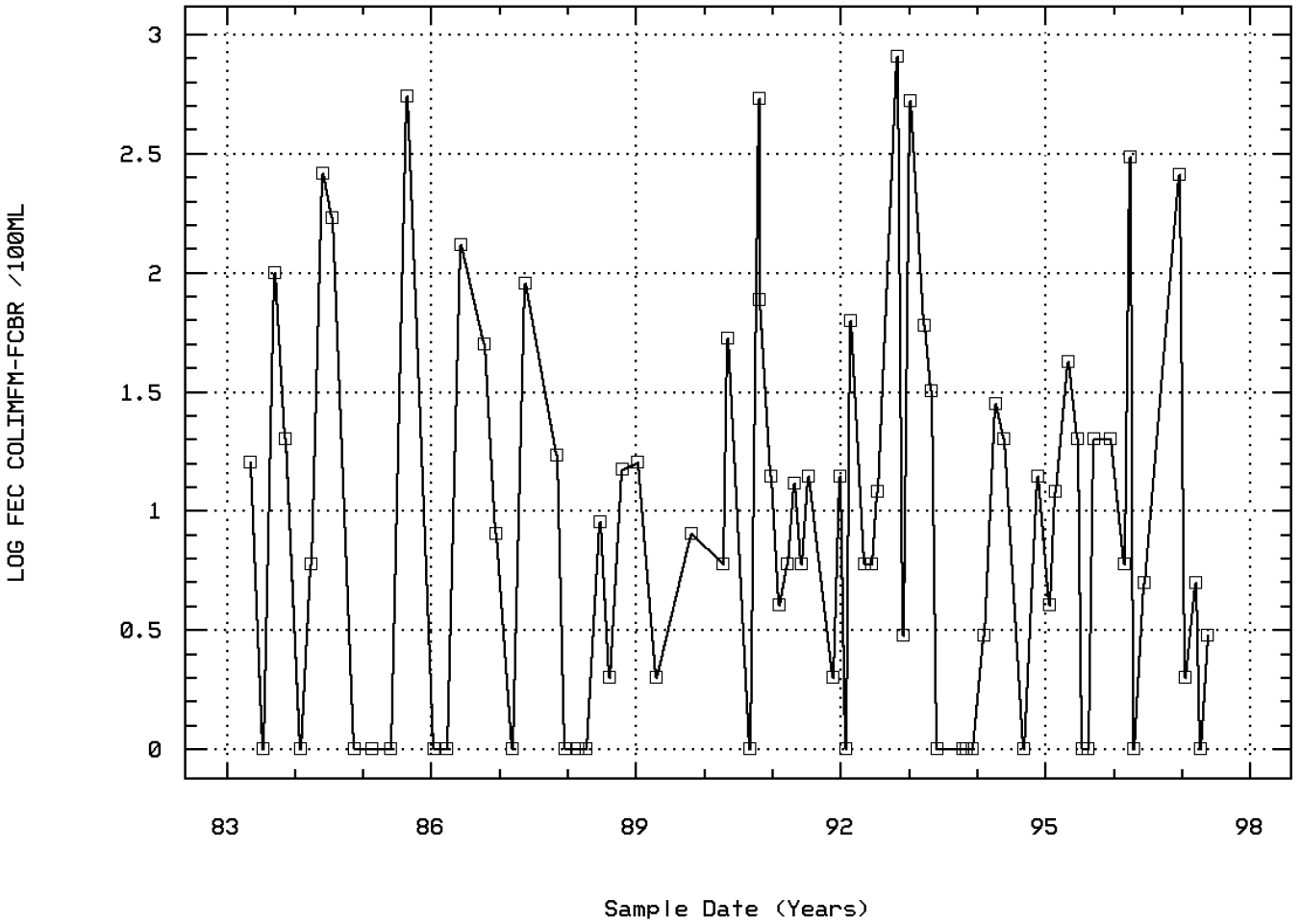
CLEAR CREEK AT BARNETT BRIDGE (WALTMAN



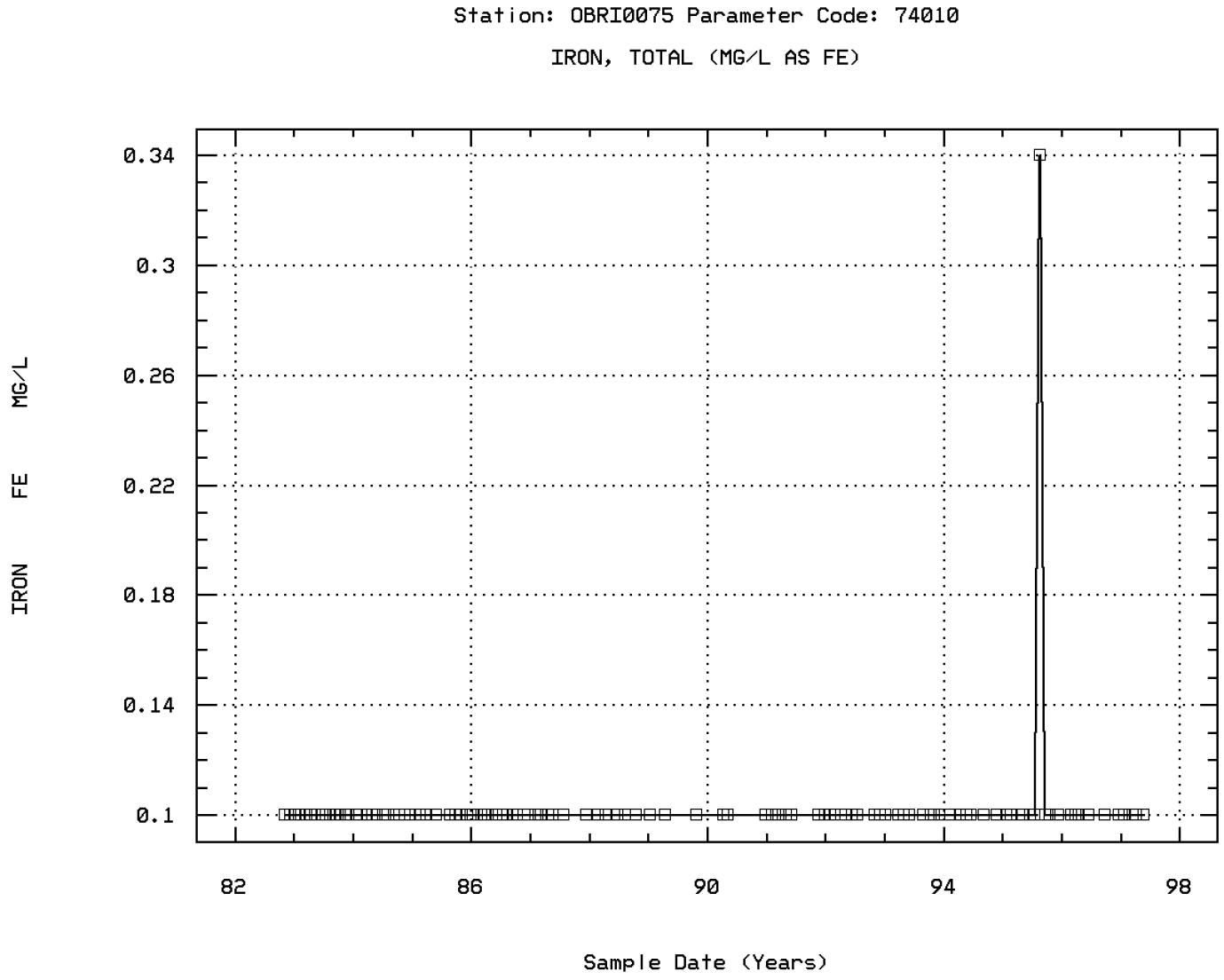
CLEAR CREEK AT BARNETT BRIDGE (WALTMAN

Station: OBRI0075 Parameter Code: 31616

LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



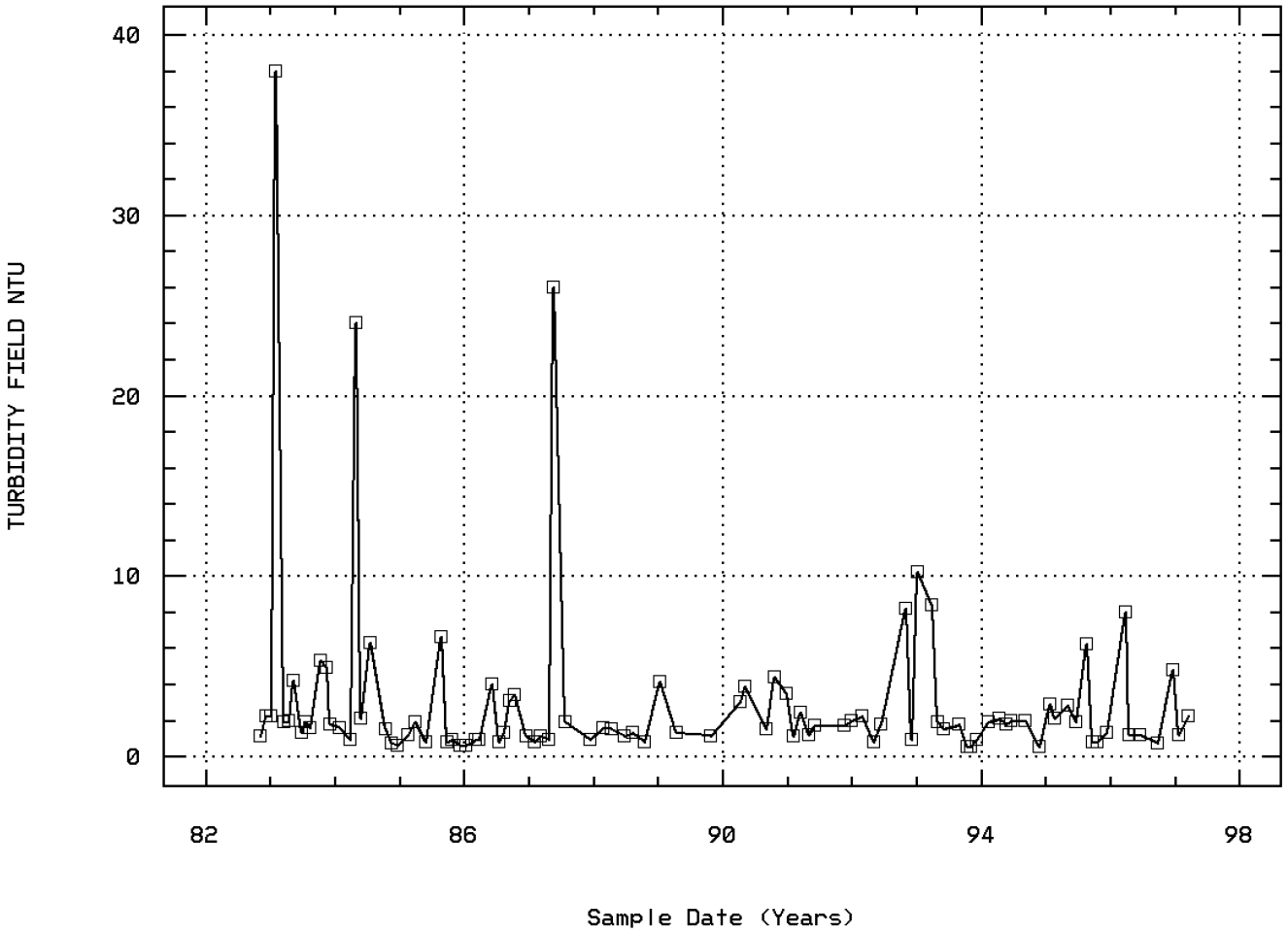
CLEAR CREEK AT BARNETT BRIDGE (WALTMAN



CLEAR CREEK AT BARNETT BRIDGE (WALTMAN

Station: OBRI0075 Parameter Code: 82078

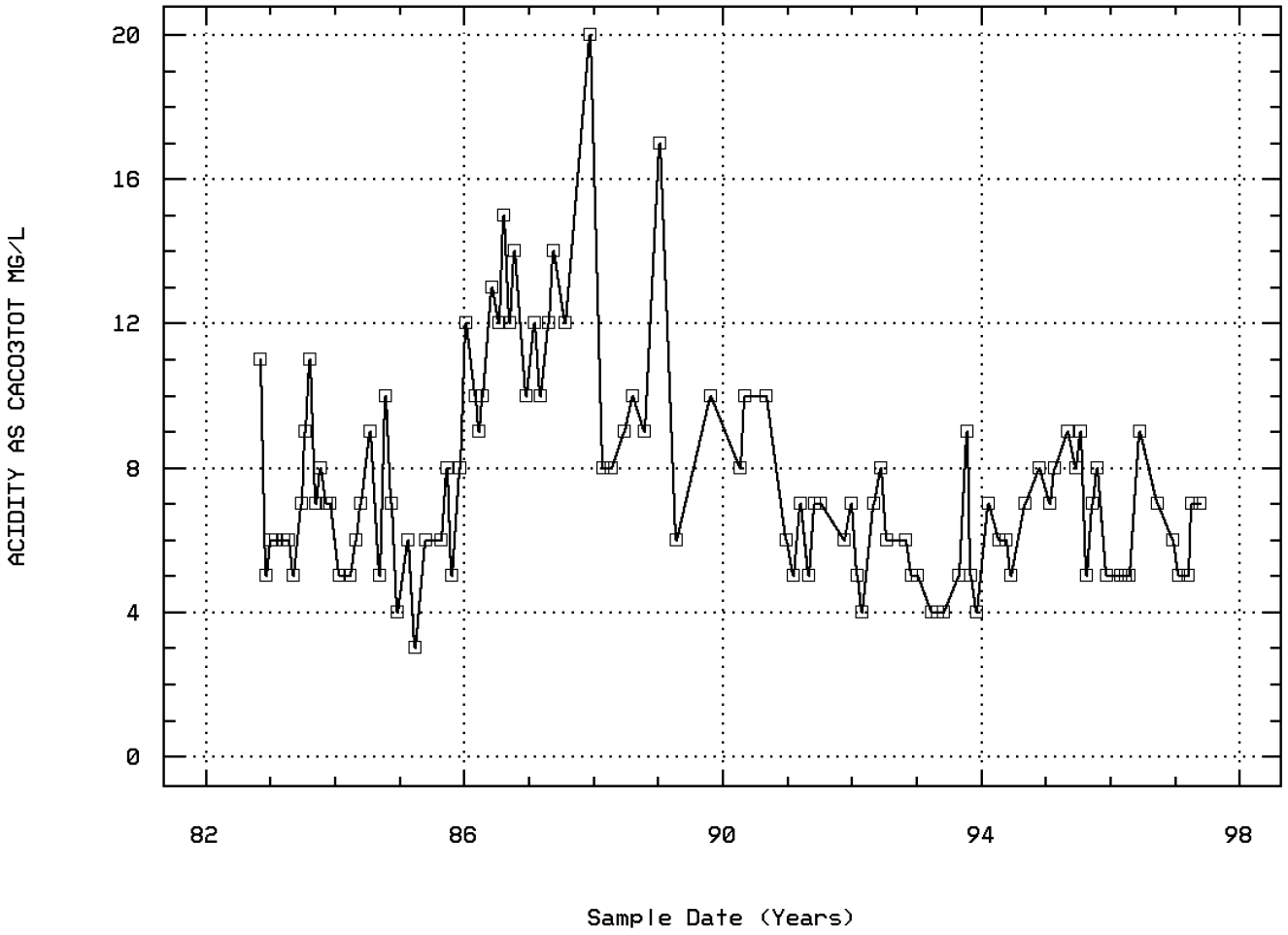
TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY



CLEAR CREEK AT BARNETT BRIDGE (WALTMAN

Station: OBRI0075 Parameter Code: 82242

ACIDITY,TOTAL AS CACO3 FIELD DATA



CLEAR CREEK AT BARNETT BRIDGE (WALTMAN

Annual Analysis for 1982 - Station OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	2	8.35	8.35	9.2	7.5	1.445	1.202	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	2	35.	35.	38.	32.	18.	4.243	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	2	7.5	7.5	8.	7.	0.5	0.707	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	2	16.	16.	18.	14.	8.	2.828	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	2	1.65	1.65	2.2	1.1	0.605	0.778	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	2	8.	8.	11.	5.	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 box-and-whisker plot

Annual Analysis for 1983 - Station OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	12	12.65	15.	26.	4.9	61.733	7.857	5.35	7.45	23.5	25.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	12	46.	51.25	115.	29.	556.932	23.599	29.9	32.75	61.5	99.1
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	12	8.	8.75	16.	5.	16.205	4.025	5.	5.	12.5	15.1
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	12	16.	20.	62.	9.	215.818	14.691	9.3	11.25	19.75	53.3
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	5.	5.333	13.	3.	8.75	2.958	3.	4.	5.	13.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	12 ##	5.	6.583	17.	5.	14.811	3.848	5.	5.	5.	15.5
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	10 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	12 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	12	1.95	5.508	38.	1.	106.744	10.332	1.09	1.65	4.725	28.19
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	12	7.	7.083	11.	5.	2.629	1.621	5.3	6.	7.75	10.4

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

Annual Analysis for 1984 - Station OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	9	14.7	13.389	20.8	3.5	36.534	6.044	3.5	8.3	19.15	20.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	9	46.	47.222	59.	37.	44.444	6.667	37.	42.5	52.5	59.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	7.	8.333	14.	4.	13.5	3.674	4.	5.	12.	14.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	14.	14.333	18.	12.	3.	1.732	12.	13.	15.	18.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	4.	4.333	7.	3.	1.75	1.323	3.	3.	5.	7.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	9 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	9 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	9	1.5	4.3	24.	0.6	57.645	7.592	0.6	0.8	4.2	24.
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	9	6.	6.444	10.	4.	4.028	2.007	4.	5.	8.	10.

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

Annual Analysis for 1985 - Station OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	14.9	13.629	20.9	4.	38.466	6.202	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	52.	51.571	62.	38.	54.952	7.413	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	6.	7.	10.	5.	4.	2.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	16.	16.	20.	13.	5.333	2.309	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	5.	5.286	7.	4.	0.905	0.951	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	0.9	1.829	6.6	0.6	4.609	2.147	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	6.	6.	8.	3.	3.	1.732	**	**	**	**

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

Annual Analysis for 1986 - Station OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	10	15.25	14.43	26.	0.3	78.756	8.874	0.75	5.85	22.175	25.85
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	10	50.	53.3	78.	34.	136.011	11.662	35.	48.5	59.	76.4
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	10	8.5	9.2	18.	4.	17.733	4.211	4.2	6.	12.25	17.5
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	10	16.	18.2	26.	14.	17.289	4.158	14.1	15.75	20.5	25.9
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	10	6.	6.6	9.	5.	1.6	1.265	5.1	6.	8.	8.9
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	10 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	10 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	10	1.05	1.71	4.	0.6	1.605	1.267	0.62	0.875	3.175	3.94
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	10	12.	11.7	15.	9.	3.789	1.947	9.1	10.	13.25	14.9

** - 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 1987 - Station OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	10.4	12.986	28.	4.1	75.858	8.71	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	44.5	45.167	56.	36.	50.567	7.111	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	7.	7.833	13.	5.	8.567	2.927	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	19.5	24.	51.	14.	186.8	13.667	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	6	5.5	6.	8.	5.	1.6	1.265	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	6 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	6 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	6	1.	5.267	26.	0.8	103.331	10.165	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	6	12.	13.333	20.	10.	12.267	3.502	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	5	12.	15.78	27.6	2.7	106.892	10.339	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	5	58.	61.6	94.	40.	460.8	21.466	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	5	11.	10.4	14.	6.	14.3	3.782	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	5	27.	44.	78.	20.	836.5	28.922	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	4	10.5	10.25	11.	9.	0.917	0.957	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	5 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	5	1.3	1.26	1.6	0.8	0.103	0.321	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	5	9.	8.8	10.	8.	0.7	0.837	**	**	**	**

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

Annual Analysis for 1989 - Station OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	3	10.	9.567	12.4	6.3	9.443	3.073	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	3	40.	42.667	53.	35.	86.333	9.292	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	3	13.	13.333	14.	13.	0.333	0.577	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	3	19.	19.	20.	18.	1.	1.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	3	8.	8.	10.	6.	4.	2.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	3 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	3	1.3	2.167	4.1	1.1	2.813	1.677	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	3	10.	11.	17.	6.	31.	5.568	**	**	**	**

** - 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 box-and-whisker plot

Annual Analysis for 1990 - Station OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	4	11.2	13.4	26.3	4.9	84.94	9.216	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	4	42.5	48.75	85.	25.	856.25	29.262	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	11.	11.	15.	7.	11.333	3.367	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	14.5	15.25	20.	12.	11.583	3.403	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	4	9.5	9.25	12.	6.	6.25	2.5	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	4 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	5	3.5	3.26	4.4	1.5	1.233	1.11	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	4	9.	8.5	10.	6.	3.667	1.915	**	**	**	**

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

Annual Analysis for 1991 - Station OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	11.1	13.657	25.8	4.	77.233	8.788	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	30.	44.286	100.	25.	686.905	26.209	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	8.	10.	14.	7.	9.	3.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	15.	20.	48.	13.	156.	12.49	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	5.	8.	17.	4.	30.667	5.538	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	6 ##	5.	5.833	10.	5.	4.167	2.041	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	6 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	6 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	1.7	1.586	2.4	1.	0.265	0.515	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	7.	6.286	7.	5.	0.905	0.951	**	**	**	**

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

Annual Analysis for 1992 - Station OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	11.7	12.786	24.3	5.1	54.661	7.393	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	30.	33.571	50.	25.	72.619	8.522	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	8.	9.286	12.	8.	2.905	1.704	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	14.	15.857	26.	13.	20.476	4.525	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	4.	4.286	5.	3.	0.571	0.756	**	**	**	**

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Annual Analysis for 1992 - Station OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7 ##	5.	6.571	11.	5.	7.286	2.699	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	6	1.4	2.483	8.2	0.8	8.154	2.855	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	6.	5.857	8.	4.	1.81	1.345	**	**	**	**

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Annual Analysis for 1993 - Station OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	8	10.5	12.138	18.2	7.9	19.428	4.408	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	8	45.	41.25	60.	20.	269.643	16.421	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	8	8.5	10.5	18.	6.	18.286	4.276	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	8	14.	18.25	29.	12.	50.5	7.106	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	8	3.	2.875	5.	2.	0.982	0.991	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	8	11.5	12.625	27.	5.	68.268	8.262	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	8 ##	250.	281.25	500.	250.	7812.5	88.388	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	8 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	8	1.65	3.213	10.2	0.5	14.636	3.826	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	8	4.5	5.	9.	4.	2.857	1.69	**	**	**	**

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Annual Analysis for 1994 - Station OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	6	13.85	13.983	22.4	5.	35.726	5.977	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	45.	40.833	55.	20.	234.167	15.303	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	8.5	9.5	13.	7.	5.9	2.429	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	17.	16.833	22.	11.	14.167	3.764	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	6	2.	2.233	4.	0.4	1.447	1.203	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	6	13.	12.333	21.	5.	41.067	6.408	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	6 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	6 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	6	1.95	1.717	2.1	0.5	0.366	0.605	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	6	6.5	6.5	8.	5.	1.1	1.049	**	**	**	**

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Annual Analysis for 1995 - Station OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	9	16.7	15.067	26.5	1.7	80.973	8.998	1.7	6.45	23.35	26.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	9	50.	50.222	60.	40.	59.944	7.742	40.	44.	59.5	60.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	16.	14.778	19.	9.	7.694	2.774	9.	13.5	16.	19.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	21.	20.	28.	14.	17.5	4.183	14.	16.5	22.	28.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	3.	3.222	5.	2.	1.444	1.202	2.	2.	4.5	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	9	15.	15.	19.	11.	9.75	3.122	11.	12.	18.5	19.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	9 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	9 ##	0.1	0.127	0.34	0.1	0.006	0.08	0.1	0.1	0.1	0.34
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	9	1.9	2.2	6.2	0.8	2.89	1.7	0.8	0.9	2.85	6.2
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	9	8.	7.333	9.	5.	2.25	1.5	5.	6.	8.5	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 1996 - Station OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	6	10.65	12.717	22.1	6.3	40.974	6.401	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	45.5	45.333	51.	38.	26.267	5.125	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	9.5	10.5	14.	8.	7.9	2.811	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	15.5	15.5	19.	13.	4.3	2.074	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	6	5.	5.333	7.	4.	1.067	1.033	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	6 ##	5.	6.333	13.	5.	10.667	3.266	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	6 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	6 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	6	1.2	2.817	8.	0.7	8.762	2.96	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	6	5.5	6.167	9.	5.	2.567	1.602	**	**	**	**

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

Annual Analysis for 1997 - Station OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	4	10.7	9.975	16.3	2.2	42.476	6.517	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	4	39.	39.	41.	37.	3.333	1.826	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	7.5	8.75	13.	7.	8.25	2.872	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	13.5	13.75	15.	13.	0.917	0.957	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	4	4.	4.25	5.	4.	0.25	0.5	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	4 ##	8.	8.	11.	5.	12.	3.464	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	4 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	4	1.1	1.35	2.2	1.	0.33	0.574	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	4	6.	6.	7.	5.	1.333	1.155	**	**	**	**

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	22	23.2	22.541	28.	14.9	13.273	3.643	16.99	19.65	25.925	26.44
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	22	59.	60.545	100.	42.	188.165	13.717	50.	51.75	62.	89.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	21	7.5	7.738	9.7	6.5	0.616	0.785	6.84	7.15	8.5	8.68
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	16	6.9	6.894	7.4	6.1	0.162	0.402	6.31	6.525	7.275	7.4
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	16	6.9	6.714	7.4	6.1	0.196	0.443	6.31	6.525	7.275	7.4
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	16	0.126	0.193	0.794	0.04	0.039	0.198	0.04	0.053	0.3	0.517
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	22	13.	12.955	18.	9.	6.617	2.572	9.3	11.	14.25	17.4
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	22	19.5	23.045	73.	14.	175.569	13.25	14.3	16.	24.25	41.4
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	21	5.	5.571	17.	2.	10.857	3.295	3.	3.	6.5	9.6
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	21 ##	5.	7.81	19.	5.	24.062	4.905	5.	5.	11.	17.8
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	21 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	16	10.	59.25	550.	0.	19251.667	138.75	0.	0.	42.5	284.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	16	1.	0.969	2.74	0.	0.775	0.88	0.	0.	1.599	2.383
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.302								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	14	175.	2503.571	23200.	30.	38068640.11	6169.979	35.	95.	1600.	14200.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	14	2.243	2.535	4.365	1.477	0.732	0.855	1.54	1.956	3.078	4.041
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			342.417								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	20 ##	0.1	0.112	0.34	0.1	0.003	0.054	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	21	1.5	2.19	6.6	0.7	3.558	1.886	0.8	1.	2.55	6.28
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	22	8.5	8.773	15.	5.	8.565	2.927	5.	6.75	11.25	13.4

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

Seasonal Analysis for Season #2: 10/15 to 3/14 - Station OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	47	6.9	7.947	19.7	0.3	17.79	4.218	3.34	5.	10.4	13.48
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	46	44.5	45.457	115.	25.	262.076	16.189	30.	33.5	50.25	60.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	46	10.95	10.83	13.5	8.	1.498	1.224	8.67	10.1	11.6	12.33
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	44	7.	6.9	7.4	6.	0.106	0.326	6.35	6.7	7.1	7.3
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	44	7.	6.753	7.4	6.	0.128	0.358	6.35	6.7	7.1	7.3
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	44	0.1	0.177	1.	0.04	0.038	0.194	0.05	0.079	0.2	0.45
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	45	8.	9.044	16.	4.	12.089	3.477	5.	6.5	13.	14.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	45	16.	20.556	78.	11.	166.207	12.892	13.6	14.	20.	30.6
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	41	5.	5.732	15.	2.	8.401	2.898	3.	4.	6.5	10.8
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	44 ##	5.	7.932	27.	5.	30.065	5.483	5.	5.	11.	16.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	41 ##	250.	256.098	500.	250.	1524.39	39.043	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	36	7.	68.5	808.	0.	32321.686	179.782	0.	0.25	16.75	339.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	36	0.841	0.876	2.907	0.	0.736	0.858	0.	0.	1.224	2.505
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.515								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	31	37.	553.387	11200.	0.	4056213.512	2014.004	1.4	6.	130.	1184.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	31	1.568	1.579	4.049	0.	1.037	1.018	0.095	0.778	2.114	3.069
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			37.905								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	45 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	46	1.2	2.809	38.	0.5	32.118	5.667	0.6	0.9	2.2	5.02
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	45	7.	7.533	20.	4.	10.436	3.231	5.	5.	9.	11.4

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	37	14.7	15.068	27.6	7.1	27.165	5.212	8.54	10.8	19.1	22.56
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	37	40.	40.081	58.	20.	106.688	10.329	24.	33.5	50.	51.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	35	9.9	9.86	11.8	7.1	1.45	1.204	8.04	8.9	10.8	11.5

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	37	6.9	6.811	7.3	5.8	0.099	0.315	6.38	6.65	7.	7.2
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	37	6.9	6.664	7.3	5.8	0.122	0.349	6.38	6.65	7.	7.2
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	37	0.126	0.217	1.585	0.05	0.074	0.272	0.063	0.1	0.225	0.419
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	38	8.	8.789	19.	4.	11.144	3.338	5.9	6.	11.	14.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	38	15.	15.026	27.	9.	11.27	3.357	11.9	13.	16.	20.1
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	37	5.	4.768	12.	0.4	5.643	2.376	2.	3.	6.	9.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	38 ##	5.	6.632	19.	5.	12.023	3.467	5.	5.	5.	13.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	38 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	31	6.	36.774	304.	0.	5158.714	71.824	0.	3.	32.	122.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	31	0.778	0.992	2.483	0.	0.527	0.726	0.	0.477	1.505	2.082
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.826								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	30	80.	257.667	4800.	0.	748822.851	865.346	0.1	5.	161.5	324.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	30	1.9	1.527	3.681	0.	0.989	0.995	0.	0.699	2.206	2.511
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			33.643								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	38 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	38	1.85	3.358	26.	0.8	29.598	5.44	0.9	1.175	2.5	8.04
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	38	7.	7.053	14.	3.	6.105	2.471	4.	5.	8.25	10.2

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

Station Inventory for Station: OBRI0076

NPS Station ID: OBRI0076
LAT/LON: 36.122781/ -84.795004
Agency: 112WRD
Date Created: 07/19/97
Location: CLEAR CREEK AT WALTMAN FORD BRIDGE
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03539735
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/96-07/22/96	1	27.5	27.5	27.5	27.5	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/22/96-07/22/96	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	07/22/96-07/22/96	1	729.	729.	729.	729.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/22/96-07/22/96	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/22/96-07/22/96	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/96-07/22/96	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/22/96-07/22/96	1	7.28	7.28	7.28	7.28	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/22/96-07/22/96	1	7.28	7.28	7.28	7.28	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/96-07/22/96	1	0.052	0.052	0.052	0.052	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/22/96-07/22/96	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/22/96-07/22/96	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/96-07/22/96	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	07/22/96-07/22/96	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/22/96-07/22/96	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/22/96-07/22/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/22/96-07/22/96	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/22/96-07/22/96	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/22/96-07/22/96	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/22/96-07/22/96	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/22/96-07/22/96	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/22/96-07/22/96	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	07/22/96-07/22/96	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	07/22/96-07/22/96	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/22/96-07/22/96	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/22/96-07/22/96	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/22/96-07/22/96	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/22/96-07/22/96	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/22/96-07/22/96	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/22/96-07/22/96	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/22/96-07/22/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/22/96-07/22/96	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/22/96-07/22/96	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/22/96-07/22/96	1	31.	31.	31.	31.	0.	0.	**	**	**	**
04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	07/22/96-07/22/96	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/96-07/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/96-07/22/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/96-07/22/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/96-07/22/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: OBRI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/96-07/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/22/96-07/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/22/96-07/22/96	1	8.	8.	8.	8.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	07/22/96-07/22/96	1	0.903	0.903	0.903	0.903	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			8.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/22/96-07/22/96	1	2700.	2700.	2700.	2700.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/22/96-07/22/96	1	3.431	3.431	3.431	3.431	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			2700.								
34253	A-BHC-ALPHA DISSUG/L	07/22/96-07/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
34653	P,P'-DDE DISSUG/L	07/22/96-07/22/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/22/96-07/22/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38478	LINURON WATER,DISSUG/L	07/22/96-07/22/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
38482	MCPA WATER,DISSUG/L	07/22/96-07/22/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38487	MCPB WATER,DISSUG/L	07/22/96-07/22/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38501	METHIOCARB WATER,DISSUG/L	07/22/96-07/22/96	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
38538	PROPOXUR WATER,DISSUG/L	07/22/96-07/22/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38711	BENTAZON WATER, DISUG/L	07/22/96-07/22/96	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
38746	2,4-DB WATER, DISUG/L	07/22/96-07/22/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38811	FLUOMETURON WATER, DISUG/L	07/22/96-07/22/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38866	OXAMYL WATER, DISUG/L	07/22/96-07/22/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
38933	CHLORPYRIFOS,DISSOLVED UG/L	07/22/96-07/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	07/22/96-07/22/96	1	10.	10.	10.	10.	0.	0.	**	**	**	**
39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	07/22/96-07/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/96-07/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/96-07/22/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/96-07/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/96-07/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39632	ATRAZINE DISSOLVED IN WATER PPB	07/22/96-07/22/96	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/96-07/22/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/96-07/22/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/22/96-07/22/96	1 ##	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**
46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	07/22/96-07/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
49235	TRICLOPYR,RECOVERABLE,WATER,FILTER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49236	PROPHAM, RECOVERABLE,WATER,FILTER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49260	ACETOCHLOR, RECOVERABLE, WATER, FILTERED UG/L	07/22/96-07/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
49291	PICLORAM,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49292	ORYZALIN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
49293	NORFLURAZON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
49294	NEBURON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
49295	NAPTHOL,1-,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
49296	METHOMYL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
49297	FENURON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
49298	ESFENVALERATE,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
49299	CRESOL,O-,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49300	DIURON, RECV,FILTERED, WATER, GF, 0.7U UG/L	07/22/96-07/22/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
49301	DINOSEB, RECV, FILTERED, WATER, GF, 0.7U UG/L	07/22/96-07/22/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49302	DICHLORPROP,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
49303	DICHLOBENIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
49304	DACTHAL, RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
49305	CLOPYRALID,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49306	CHLOROTHALONIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49307	AMIBEN, RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
49308	HYDROXYCARBOFURAN,3-,RECV,FILT,WATER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
49309	CARBOFURAN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.014	0.014	0.014	0.014	0.	0.	**	**	**	**
49310	CARBARYL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
49311	BROMOXYNIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49312	ALDICARB, RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
49313	ALDICARB SULFONE,RECV,FILTERED,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
49314	ALDICARB SULFOXIDE,RECV,FILTERED,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**
49315	ACIFLUORFEN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/22/96-07/22/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	07/22/96-07/22/96	1	68.	68.	68.	68.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/22/96-07/22/96	1	2.	2.	2.	2.	0.	0.	**	**	**	**
82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	07/22/96-07/22/96	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: OBRI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	07/22/96-07/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	07/22/96-07/22/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/22/96-07/22/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0076

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVE	Drinking Water	4.	1	0	0.00	1	0	0.00									
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
34653	P,P'-DDE, DISSOLVED	Fresh Acute	1050.	1	0	0.00	1	0	0.00									
38866	OXAMYL, DISSOLVED	Drinking Water	200.	1	0	0.00	1	0	0.00									
38933	CHLORPYRIFOS, DISSOLVED	Fresh Acute	0.083	1	0	0.00	1	0	0.00									
39341	GAMMA-BHC(LINDANE), DISSOLVED	Fresh Acute	2.	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	2.5	1	0	0.00	1	0	0.00									
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	0.065	1	0	0.00	1	0	0.00									
39632	ATRAZINE DISSOLVED IN WATER	Drinking Water	3.	1	0	0.00	1	0	0.00									
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE	Drinking Water	70.	1	0	0.00	1	0	0.00									
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE	Drinking Water	50.	1	0	0.00	1	0	0.00									
46342	ALACHLOR (LASSO), WATER, DISSOLVED	Drinking Water	2.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: OBRI0077

NPS Station ID: OBRI0077 LAT/LON: 36.122838/ -84.795004 Agency: 11NPSWRD Date Created: 07/04/98
Location: CLEAR CREEK AT BARNETT BRIDGE (WALTMAN FORD) FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): OBRI_NPS_C2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE HEBBERTSBURG TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS INSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT CLEAR CREEK AT BARNETT BRIDGE (WALTMAN FORD) AT STREAM MILE 8.6. DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSEE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NPS WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/79-09/30/80	5	15.	14.6	24.	5.	66.3	8.142	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	11/16/79-09/30/80	5	20.	18.2	29.	2.	99.2	9.96	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/16/79-09/30/80	5	32.	35.6	53.	22.	153.3	12.381	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/16/79-09/30/80	4	10.	10.425	13.2	8.5	4.882	2.21	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/16/79-09/30/80	5	6.5	6.38	6.6	5.8	0.112	0.335	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/16/79-09/30/80	5	6.5	6.252	6.6	5.8	0.133	0.364	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/16/79-09/30/80	5	0.316	0.56	1.585	0.251	0.332	0.576	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	5	10.	12.2	20.	7.	31.2	5.586	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/03/80-09/30/80	3	11.	8.667	13.	2.	34.333	5.859	**	**	**	**
00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	11/16/79-09/30/80	5	0.05	0.365	1.2	0.025	0.257	0.507	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/79-06/21/80	4	0.11	0.293	0.9	0.05	0.165	0.406	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/16/79-09/30/80	5	0.03	0.034	0.05	0.01	0.	0.017	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/80-06/08/80	1 ##	0.375	0.375	0.375	0.375	0.	0.	**	**	**	**
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	02/29/80-09/30/80	3 ##	0.025	0.02	0.025	0.01	0.	0.009	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	5	18.	16.6	23.	12.	21.8	4.669	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/08/80-06/08/80	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/08/80-06/08/80	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	06/08/80-06/08/80	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	06/08/80-06/08/80	1	1.98	1.98	1.98	1.98	0.	0.	**	**	**	**

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

Parameter Inventory for Station: OBRI0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	11/16/79-09/30/80	5	4.	4.2	6.	2.	3.2	1.789	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	06/08/80-06/08/80	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/80-06/08/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/16/79-09/30/80	6 ##	1.	19.833	100.	1.	1573.767	39.671	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	06/08/80-06/08/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/16/79-09/30/80	6 ##	2.5	7.917	35.	2.5	176.042	13.268	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/16/79-09/30/80	6	145.	145.	240.	50.	6110.	78.166	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	02/29/80-09/30/80	5 ##	5.	354.	1750.	5.	609005.	780.388	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/16/79-06/08/80	2	30.	30.	40.	20.	200.	14.142	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/08/80-06/08/80	1 ##	30.	30.	30.	30.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/16/79-09/30/80	6 ##	0.75	52.083	250.	0.5	9965.142	99.826	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/16/79-09/30/80	6	110.	503.333	1850.	10.	548666.667	740.72	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	11/16/79-09/30/80	4	3.6	3.928	8.5	0.01	20.323	4.508	**	**	**	**
31611	FECAL COLIFORM, MF, M-TEC #/100ML	11/16/79-11/16/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
31611	LOG FECAL COLIFORM, MF, M-TEC #/1	11/16/79-11/16/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31611	GM FECAL COLIFORM, MF, M-TEC #/10	GEOMETRIC MEAN =			1.								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/16/79-09/30/80	5	1.	1.8	6.	0.	5.7	2.387	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/16/79-09/30/80	5	0.	0.156	0.778	0.	0.121	0.348	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.431								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-06/21/80	3	3.	3.333	5.	2.	2.333	1.528	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-06/21/80	3	0.477	0.492	0.699	0.301	0.04	0.199	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			3.107								
38745	2,4-DB WATER, TOTUG/L	06/08/80-06/08/80	1 ##	1.95	1.95	1.95	1.95	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39755	MIREX, TOTAL (UG/L)	06/08/80-06/08/80	1 ##	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	11/16/79-09/30/80	5	0.05	0.102	0.3	0.01	0.013	0.115	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11/16/79-11/16/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/21/80-09/30/80	2 ##	0.095	0.095	0.15	0.04	0.006	0.078	**	**	**	**
82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/28/79-09/30/80	6	2.5	468.333	2800.	1.	1304801.467	1142.279	**	**	**	**
82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	11/16/79-06/21/80	4 ##	0.05	0.133	0.38	0.05	0.027	0.165	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0077

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	3	0.60	1	1	1.00	2	0	0.00	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	6	1	0.17	1	0	0.00	2	1	0.50	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5 &	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	1300.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	4 &	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	15.	4 &	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	5 &	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	5000.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00							1	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00							1	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00							1	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00							1	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00							1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00							1	0	0.00			
		Drinking Water	3.	1	0	0.00							1	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.4	1	0	0.00							1	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00							1	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	1	0	0.00							1	0	0.00			
39720	PICLORAM IN WHOLE WATER SAMPLE	Drinking Water	500.	1	0	0.00							1	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00							1	0	0.00			
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00				1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	2.	2	0	0.00	1	0	0.00				1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	6	1	0.17	1	0	0.00	3	1	0.33	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: OBRI0078

NPS Station ID: OBRI0078 LAT/LON: 36.122642/ -84.796254 Agency: 11NPSWRD Date Created: 05/09/98
Location: WHITE CR MOUTH AB BARNETT BRIDGE (WALTMAN FORD) FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): OBRI_NPS_WH-1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: TENNESSEE RIVER MAIN STEM AND MINOR TRIB ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE HEBBERTSBURG TN-MORGAN CO 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS ON A STREAM INSIDE THE BOUNDARY OF THE OBED WILD AND SCENIC RIVER. THE SITE IS AT THE MOUTH OF WHITE CREEK UPSTREAM OF BARNETT BRIDGE (WALTMAN FORD). THE SITE IS SAMPLED FOR PH; CONDUCTIVITY; METALS; AND COLIFORMS. THE SAMPLING WAS BEGUN TO ENSURE THAT THE WILD AND SCENIC RIVER WAS PROTECTED AND PRESERVED AS MANDATED IN THE EARLY 1980'S. THE SAMPLING WAS DONE BY PARK PERSONNEL. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES; OBED WILD AND SCENIC RIVER; P.O. BOX 429; WARTBURG TN 37887-0429; (TEL. 423-346-6294). DATA WERE 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: OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	104	11.75	12.859	27.	0.1	44.283	6.655	4.85	7.325	17.8	23.75
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	103	38.	40.971	107.	6.	337.381	18.368	20.	30.	52.	66.8
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	100	10.05	9.504	13.3	2.2	4.932	2.221	6.32	8.125	11.2	11.8
00406p	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	95	6.9	6.891	7.5	5.9	0.107	0.328	6.4	6.8	7.1	7.24
00406p	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	95	6.9	6.745	7.5	5.9	0.129	0.359	6.4	6.8	7.1	7.24
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	95	0.126	0.18	1.259	0.032	0.039	0.197	0.058	0.079	0.158	0.398
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	103	11.	13.835	40.	5.	75.296	8.677	6.	8.	18.	29.
00612	AMMONIA, UNIONZED (MG/L AS N)	10/17/95-05/19/97	10	0.145	0.142	0.4	0.	0.021	0.144	0.	0.	0.238	0.392
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	103	14.	15.437	56.	9.	42.817	6.543	10.	11.	17.	21.6
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	97	4.	4.557	11.	2.	4.145	2.036	2.	3.	5.	8.
00945p	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	101 ##	5.	5.327	23.	5.	4.382	2.093	5.	5.	5.	5.
01055p	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	98 ##	250.	252.551	500.	250.	637.755	25.254	250.	250.	250.	250.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/10/83-04/11/88	24	50.	115.167	610.	0.	29495.275	171.742	0.	4.	165.	455.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	05/10/83-04/11/88	24	1.69	1.413	2.785	0.	0.897	0.947	0.	0.602	2.217	2.641
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			25.854								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	76	10.	36.711	402.	0.	6282.075	79.26	0.7	4.	27.5	96.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	76	1.	1.01	2.604	0.	0.486	0.697	0.	0.602	1.439	1.98
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.237								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	72	52.	1172.625	28200.	0.	18979474.604	4356.544	2.3	10.	200.	2137.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	72	1.716	1.797	4.45	0.	1.057	1.028	0.354	1.	2.301	3.328
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			62.624								
74010p	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	101 ##	0.1	0.133	0.45	0.1	0.006	0.076	0.1	0.1	0.1	0.27

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

Parameter Inventory for Station: OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82078p	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	104	1.85	4.009	40.	0.6	38.969	6.243	1.	1.225	4.	9.6
82242p	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	103	7.	8.825	28.	3.	24.028	4.902	4.	6.	11.	15.

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

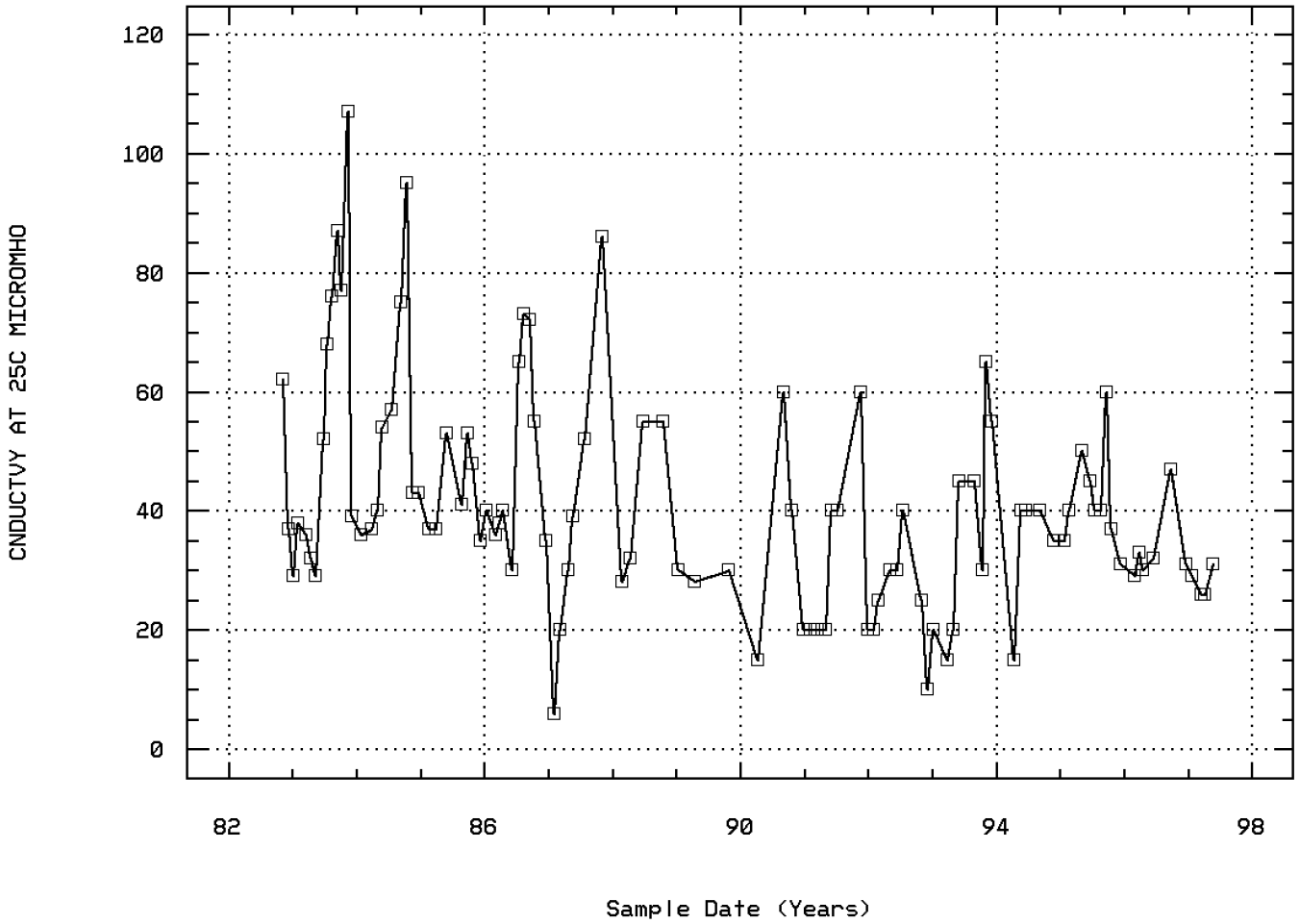
EPA Water Quality Criteria Analysis for Station: OBRI0078

				Total	Exceed	Prop.	----------7/01-10/14----------			----------10/15-3/14----------			----------3/15-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	100	2	0.02	21	1	0.05	44	1	0.02	35	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	95	0	0.00	17	0	0.00	41	0	0.00	37	0	0.00			
		Other-Lo Lim.	6.5	95	14	0.15	17	2	0.12	41	6	0.15	37	6	0.16			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	97	0	0.00	21	0	0.00	39	0	0.00	37	0	0.00			
		Drinking Water	250.	97	0	0.00	21	0	0.00	39	0	0.00	37	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	101	0	0.00	21	0	0.00	42	0	0.00	38	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	24	0	0.00	7	0	0.00	10	0	0.00	7	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	76	4	0.05	13	0	0.00	34	3	0.09	29	1	0.03			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	104	0	0.00	22	0	0.00	44	0	0.00	38	0	0.00			

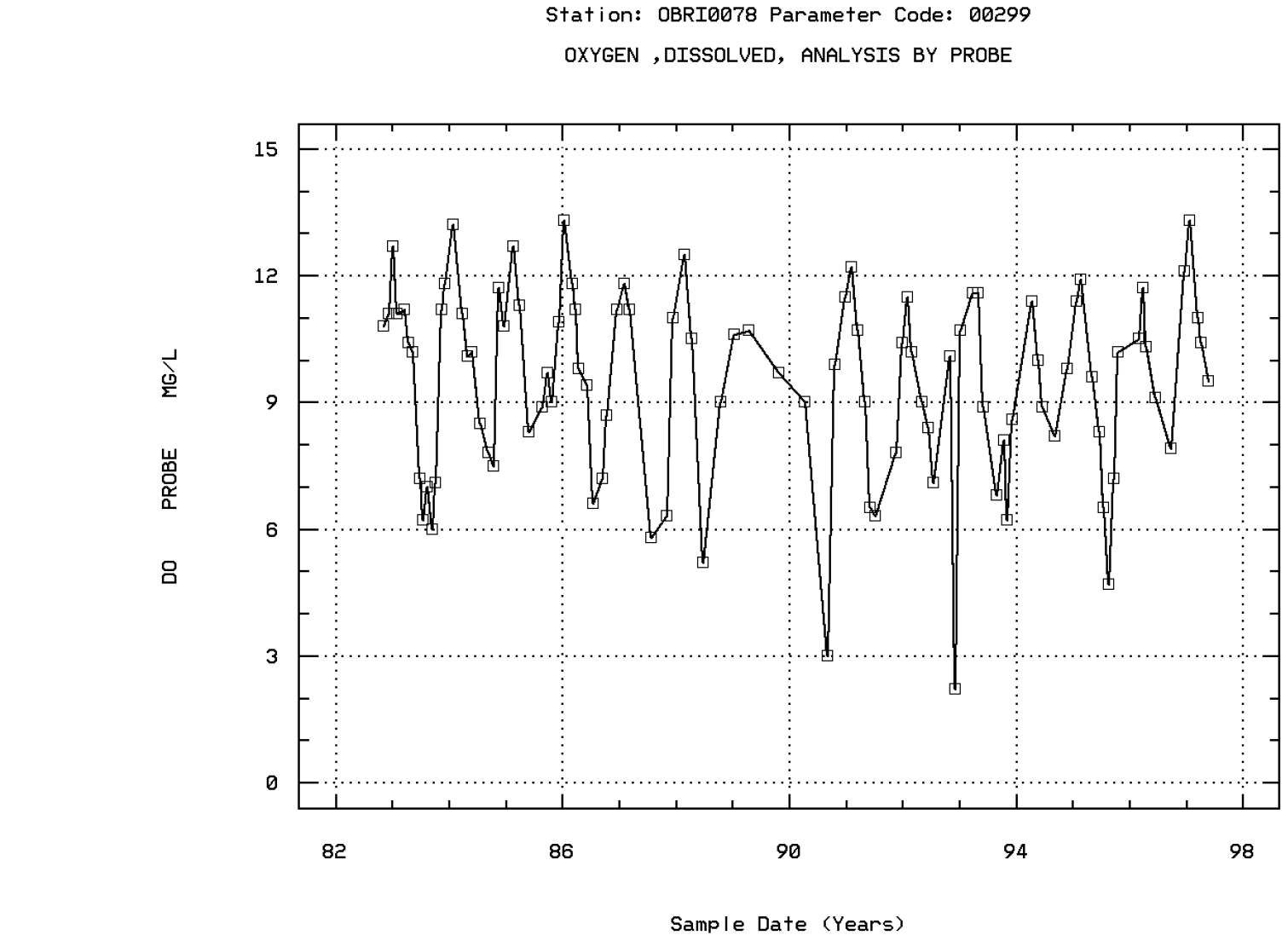
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: OBRI0078 Parameter Code: 00095

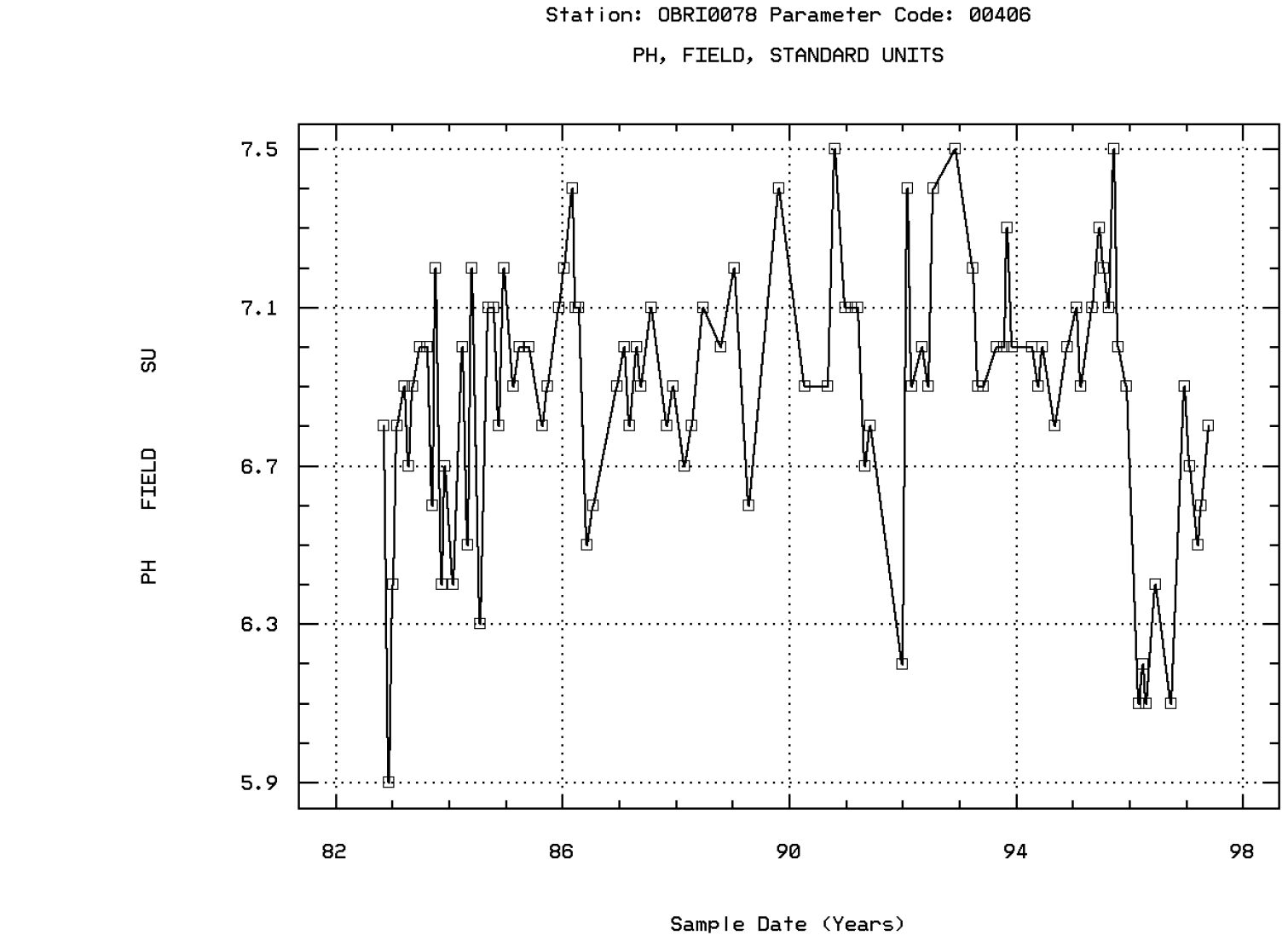
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



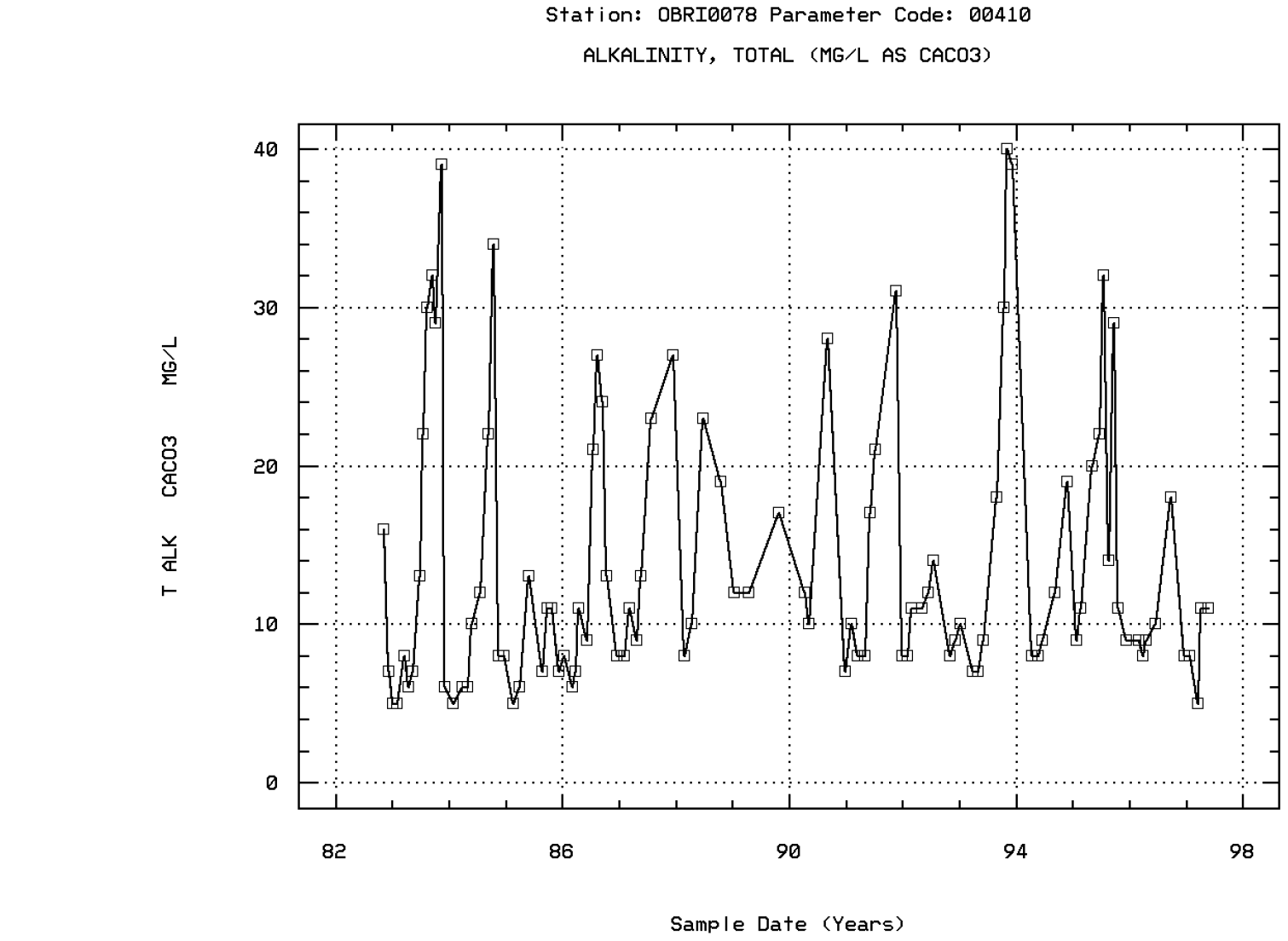
WHITE CR MOUTH AB BARNETT BRIDGE (WALTM



WHITE CR MOUTH AB BARNETT BRIDGE (WALTM



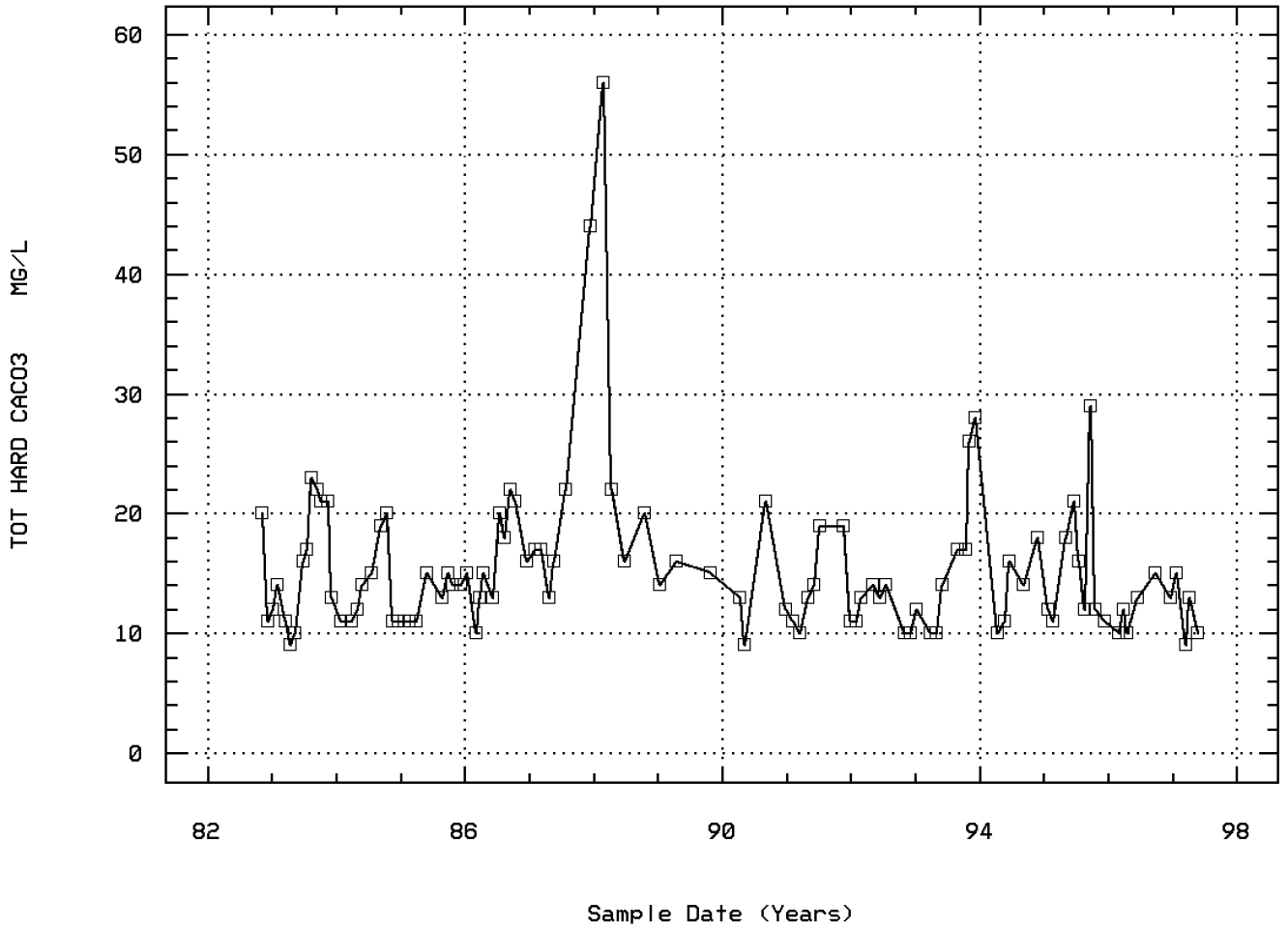
WHITE CR MOUTH AB BARNETT BRIDGE (WALTM



WHITE CR MOUTH AB BARNETT BRIDGE (WALTM

Station: OBRI0078 Parameter Code: 00900

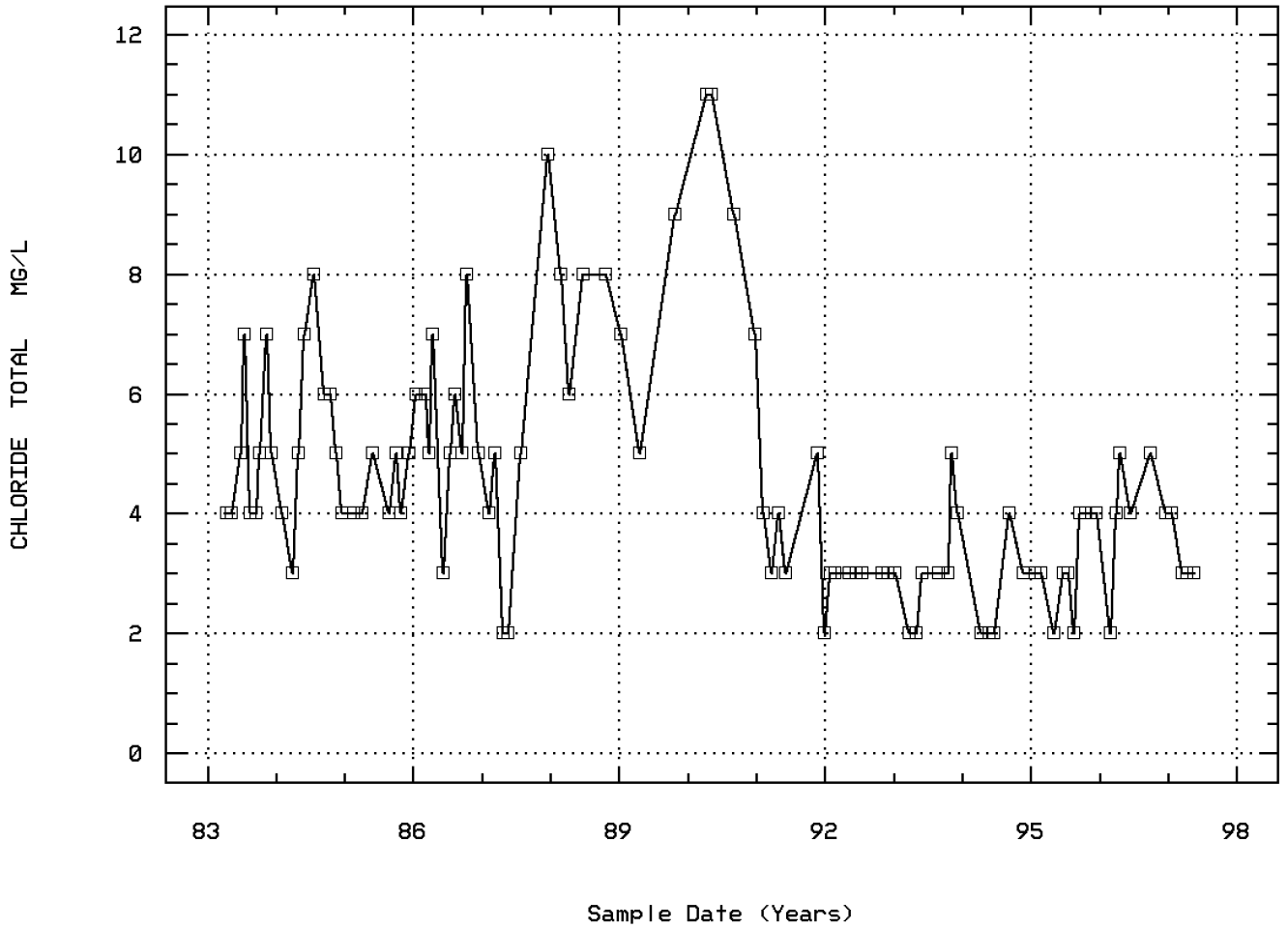
HARDNESS, TOTAL (MG/L AS CACO3)



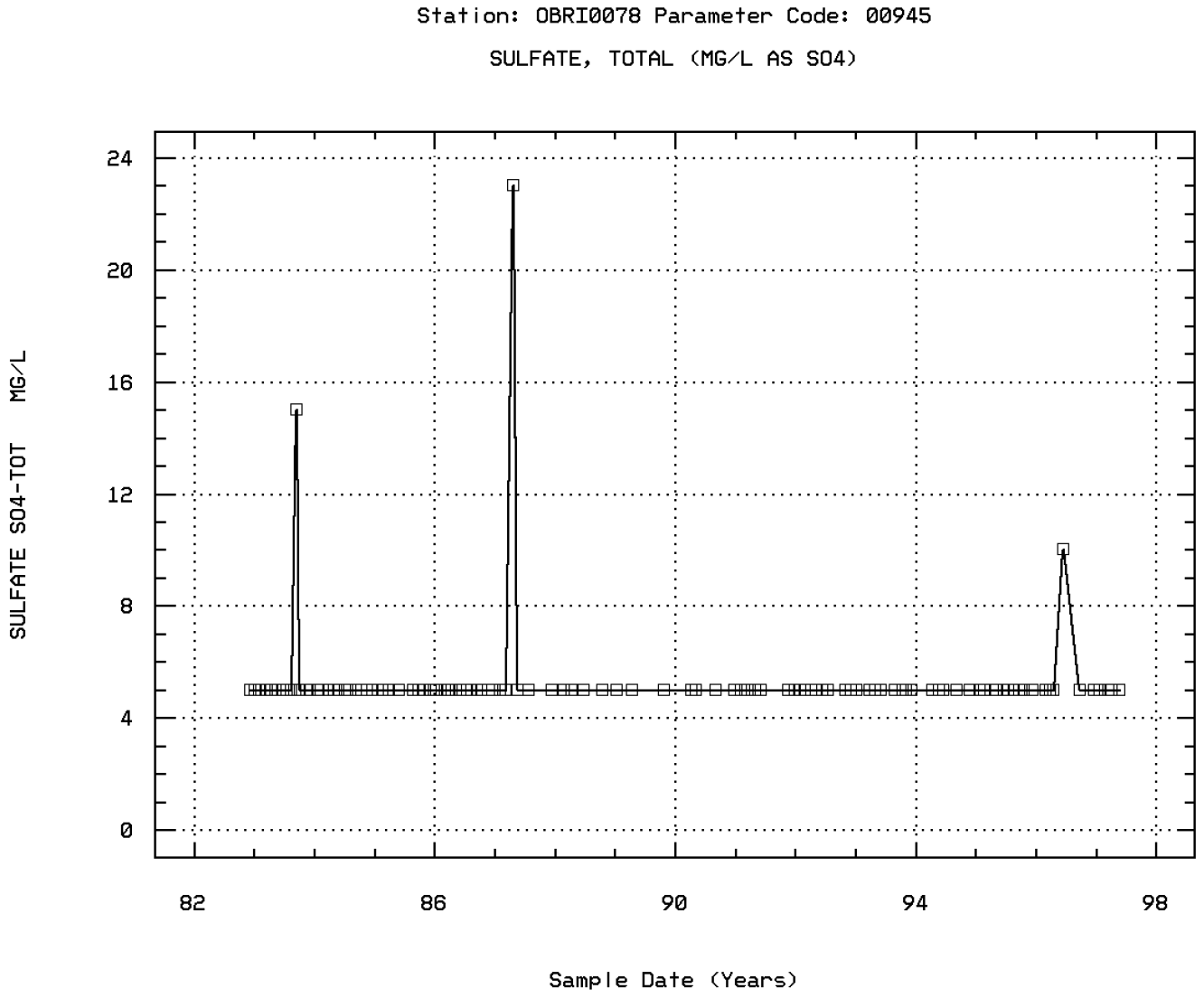
WHITE CR MOUTH AB BARNETT BRIDGE (WALTM

Station: OBRI0078 Parameter Code: 00940

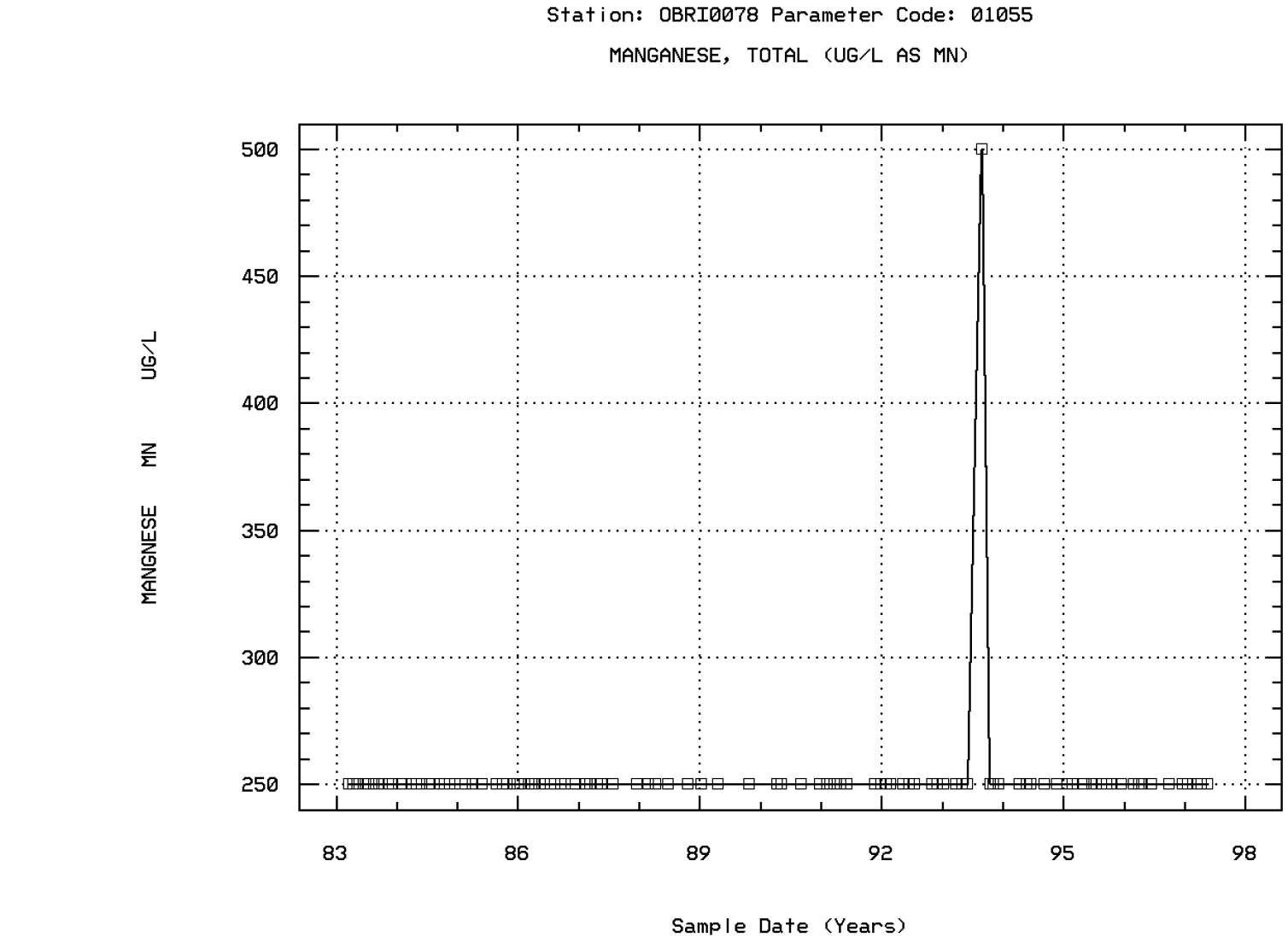
CHLORIDE,TOTAL IN WATER



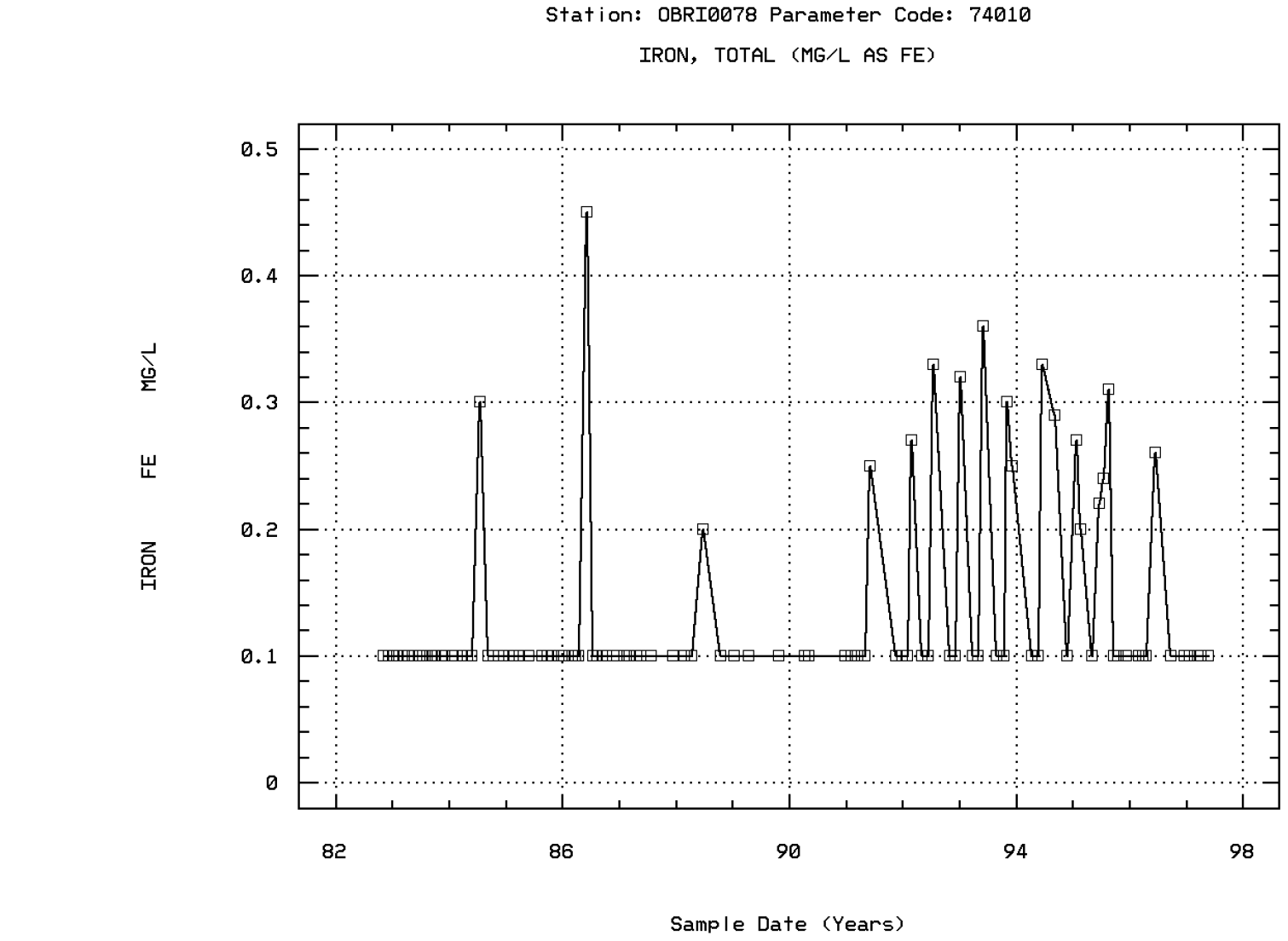
WHITE CR MOUTH AB BARNETT BRIDGE (WALTM



WHITE CR MOUTH AB BARNETT BRIDGE (WALTM



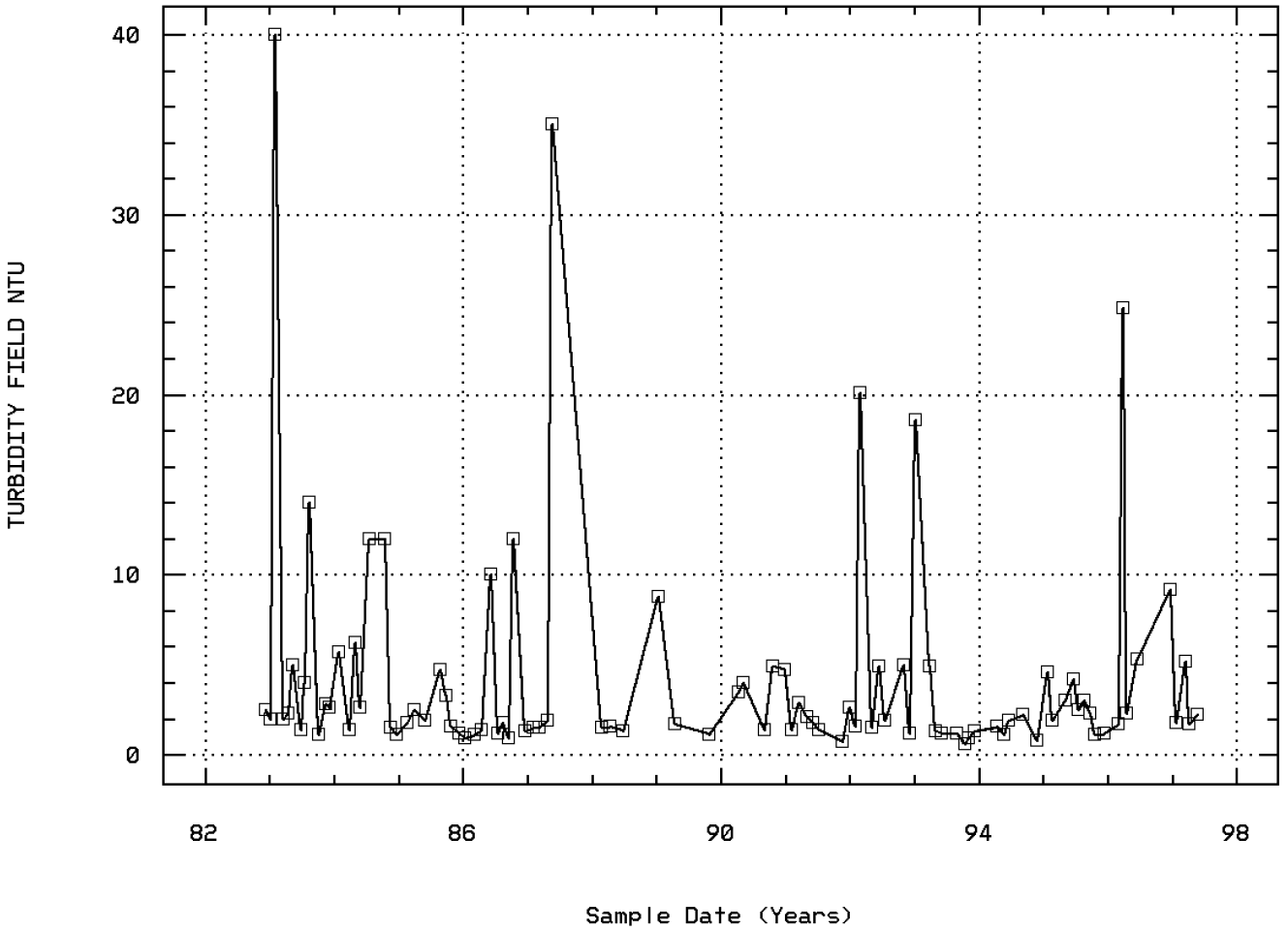
WHITE CR MOUTH AB BARNETT BRIDGE (WALTM



WHITE CR MOUTH AB BARNETT BRIDGE (WALTM

Station: OBRI0078 Parameter Code: 82078

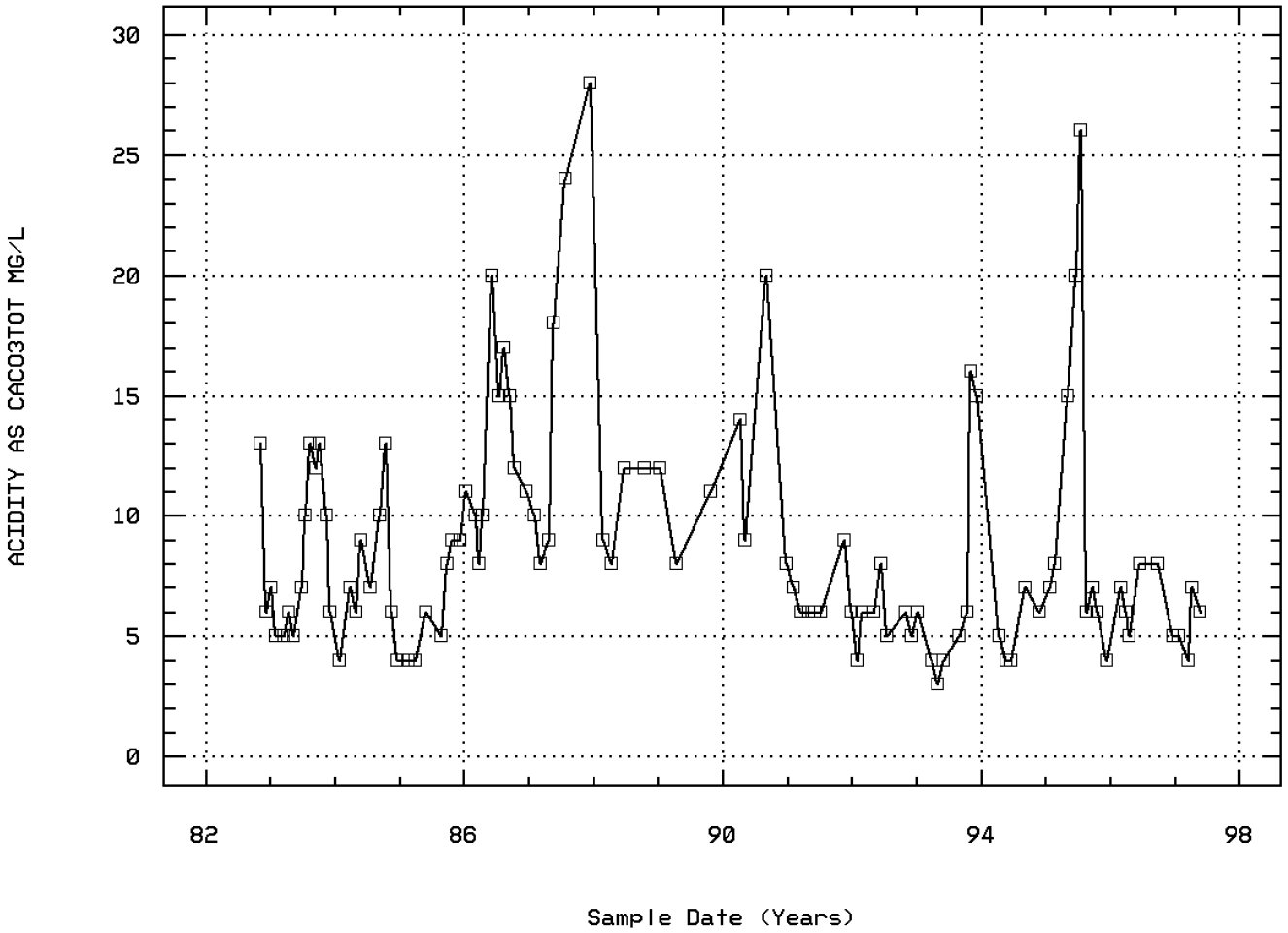
TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY



WHITE CR MOUTH AB BARNETT BRIDGE (WALTM

Station: OBRI0078 Parameter Code: 82242

ACIDITY,TOTAL AS CACO3 FIELD DATA



WHITE CR MOUTH AB BARNETT BRIDGE (WALTM

Annual Analysis for 1982 - Station OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	2	7.75	7.75	9.1	6.4	3.645	1.909	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	2	49.5	49.5	62.	37.	312.5	17.678	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	2	11.5	11.5	16.	7.	40.5	6.364	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	2	15.5	15.5	20.	11.	40.5	6.364	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	2	1.75	1.75	2.5	1.	1.125	1.061	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	2	9.5	9.5	13.	6.	24.5	4.95	**	**	**	**

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

Annual Analysis for 1983 - Station OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	12	12.85	14.458	24.6	4.5	53.044	7.283	5.07	7.375	21.975	24.42
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	12	45.5	55.833	107.	29.	691.788	26.302	29.	33.	76.75	101.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	12	10.5	16.833	39.	5.	161.242	12.698	5.	6.	29.75	36.9
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	12	15.	15.75	23.	9.	24.932	4.993	9.3	11.25	21.	22.7
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	5.	5.	7.	4.	1.5	1.225	4.	4.	6.	7.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	12 ##	5.	5.833	15.	5.	8.333	2.887	5.	5.	5.	12.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	10 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	12 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	12	2.45	6.517	40.	1.	123.587	11.117	1.03	1.55	4.75	32.2
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	12	7.	8.25	13.	5.	10.023	3.166	5.	5.25	11.5	13.

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Annual Analysis for 1984 - Station OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	9	14.1	12.611	19.5	2.8	33.951	5.827	2.8	7.65	18.35	19.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	9	43.	53.333	95.	36.	397.25	19.931	36.	38.5	66.	95.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	8.	12.333	34.	5.	92.5	9.618	5.	6.	17.	34.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	12.	13.778	20.	11.	12.694	3.563	11.	11.	17.	20.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	5.	5.333	8.	3.	2.5	1.581	3.	4.	6.5	8.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	9 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	9 ##	0.1	0.122	0.3	0.1	0.004	0.067	0.1	0.1	0.1	0.3
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	9	2.6	4.833	12.	1.	20.233	4.498	1.	1.25	9.1	12.
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	9	7.	7.333	13.	4.	8.5	2.915	4.	5.	9.5	13.

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Annual Analysis for 1985 - Station OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	13.2	12.671	19.2	4.2	31.149	5.581	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	41.	43.429	53.	35.	60.619	7.786	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	7.	8.571	13.	5.	9.286	3.047	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	14.	13.286	15.	11.	2.905	1.704	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	4.	4.429	5.	4.	0.286	0.535	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	1.9	2.429	4.7	1.2	1.466	1.211	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	6.	6.429	9.	4.	4.952	2.225	**	**	**	**

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

Annual Analysis for 1986 - Station OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	10	14.45	13.45	24.8	0.1	68.681	8.287	0.57	6.15	21.25	24.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	10	40.	48.4	73.	30.	266.933	16.338	30.5	35.75	66.75	72.9
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	10	10.	13.4	27.	6.	59.378	7.706	6.1	7.75	21.75	26.7
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	10	15.5	16.3	22.	10.	15.122	3.889	10.3	13.	20.25	21.9
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	10	5.5	5.6	8.	3.	1.822	1.35	3.2	5.	6.25	7.9
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	10 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	10 ##	0.1	0.135	0.45	0.1	0.012	0.111	0.1	0.1	0.1	0.415
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	10	1.25	3.16	12.	0.9	17.367	4.167	0.9	0.975	3.85	11.8
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	10	11.5	12.9	20.	8.	13.878	3.725	8.2	10.	15.5	19.7

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

Annual Analysis for 1987 - Station OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	11.6	12.757	27.	3.8	72.536	8.517	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	34.5	38.833	86.	6.	781.767	27.96	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	12.	15.167	27.	8.	62.567	7.91	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	17.	21.5	44.	13.	129.9	11.397	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	6	4.5	4.667	10.	2.	8.667	2.944	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	6 ##	5.	8.	23.	5.	54.	7.348	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	6 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	6 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	6	1.5	6.983	35.	1.	188.502	13.73	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	6	14.	16.167	28.	8.	72.167	8.495	**	**	**	**

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

Annual Analysis for 1988 - Station OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	4	11.7	13.	26.6	2.	103.14	10.156	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	4	43.5	42.5	55.	28.	211.	14.526	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	14.5	15.	23.	8.	51.333	7.165	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	21.	28.5	56.	16.	342.333	18.502	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	4	8.	7.5	8.	6.	1.	1.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	4 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	4 ##	0.1	0.125	0.2	0.1	0.003	0.05	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	4	1.4	1.35	1.6	1.	0.07	0.265	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	4	10.5	10.25	12.	8.	4.25	2.062	**	**	**	**

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

Annual Analysis for 1989 - Station OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	3	10.2	9.533	11.9	6.5	7.623	2.761	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	3	30.	29.333	30.	28.	1.333	1.155	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	3	12.	13.667	17.	12.	8.333	2.887	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	3	15.	15.	16.	14.	1.	1.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	3	7.	7.	9.	5.	4.	2.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	3 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	3	1.7	3.867	8.8	1.1	18.343	4.283	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	3	11.	10.333	12.	8.	4.333	2.082	**	**	**	**

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

Annual Analysis for 1990 - Station OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	4	10.8	12.625	23.7	5.2	64.709	8.044	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	4	30.	33.75	60.	15.	422.917	20.565	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	11.	14.25	28.	7.	88.25	9.394	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	12.5	13.75	21.	9.	26.25	5.123	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	4	10.	9.5	11.	7.	3.667	1.915	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	4 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	5	4.	3.7	4.9	1.4	1.965	1.402	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	4	11.5	12.75	20.	8.	30.25	5.5	**	**	**	**

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

Annual Analysis for 1991 - Station OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	11.5	13.371	25.3	3.3	77.579	8.808	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	20.	31.429	60.	20.	247.619	15.736	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	10.	14.714	31.	8.	77.905	8.826	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	13.	13.857	19.	10.	14.143	3.761	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	6	3.5	3.5	5.	2.	1.1	1.049	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	6 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	6 ##	0.1	0.125	0.25	0.1	0.004	0.061	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	1.8	1.843	2.9	0.7	0.576	0.759	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	6.	6.571	9.	6.	1.286	1.134	**	**	**	**

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

Annual Analysis for 1992 - Station OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	11.4	12.229	23.7	4.9	45.682	6.759	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	25.	25.714	40.	10.	86.905	9.322	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	11.	10.429	14.	8.	4.952	2.225	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	13.	12.143	14.	10.	3.143	1.773	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	3.	3.	3.	3.	0.	0.	**	**	**	**

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

Annual Analysis for 1992 - Station OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.157	0.33	0.1	0.01	0.099	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	1.9	5.171	20.1	1.2	45.946	6.778	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	6.	5.714	8.	4.	1.571	1.254	**	**	**	**

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Annual Analysis for 1993 - Station OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	8	10.75	11.388	16.1	8.1	9.281	3.047	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	8	37.5	36.875	65.	15.	335.268	18.31	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	8	14.	20.	40.	7.	203.429	14.263	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	8	15.5	16.75	28.	10.	47.643	6.902	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	8	3.	3.125	5.	2.	0.982	0.991	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	8 ##	250.	281.25	500.	250.	7812.5	88.388	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	8 ##	0.175	0.204	0.36	0.1	0.013	0.115	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	8	1.25	3.75	18.6	0.6	37.843	6.152	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	8	5.5	7.375	16.	3.	26.268	5.125	**	**	**	**

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Annual Analysis for 1994 - Station OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	5	13.2	14.68	20.1	11.4	12.167	3.488	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	5	40.	34.	40.	15.	117.5	10.84	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	5	9.	11.2	19.	8.	21.7	4.658	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	5	14.	13.8	18.	10.	11.2	3.347	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	5	2.	2.6	4.	2.	0.8	0.894	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	5 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	5 ##	0.1	0.184	0.33	0.1	0.013	0.116	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	5	1.6	1.52	2.2	0.8	0.327	0.572	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	5	5.	5.2	7.	4.	1.7	1.304	**	**	**	**

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

Annual Analysis for 1995 - Station OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	9	17.1	14.7	25.8	2.3	73.335	8.564	2.3	6.35	22.3	25.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	9	40.	42.	60.	31.	75.5	8.689	31.	36.	47.5	60.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	14.	17.444	32.	9.	76.278	8.734	9.	10.	25.5	32.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	12.	15.778	29.	11.	36.944	6.078	11.	11.5	19.5	29.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	3.	3.111	4.	2.	0.611	0.782	2.	2.5	4.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	9 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	9	0.2	0.182	0.31	0.1	0.007	0.084	0.1	0.1	0.255	0.31
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	9	2.5	2.644	4.6	1.1	1.458	1.207	1.1	1.55	3.6	4.6
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	9	7.	11.	26.	4.	57.75	7.599	4.	6.	17.5	26.

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

Annual Analysis for 1996 - Station OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	6	10.7	12.4	20.1	6.2	33.932	5.825	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	31.5	33.667	47.	29.	44.667	6.683	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	9.	10.333	18.	8.	14.667	3.83	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	12.5	12.167	15.	10.	3.767	1.941	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	6	4.	4.	5.	2.	1.2	1.095	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	6 ##	5.	5.833	10.	5.	4.167	2.041	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	6 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	6 ##	0.1	0.127	0.26	0.1	0.004	0.065	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	6	3.8	7.383	24.8	1.	81.974	9.054	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	6	6.5	6.5	8.	5.	1.9	1.378	**	**	**	**

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Annual Analysis for 1997 - Station OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	4	10.8	10.2	16.2	3.	38.16	6.177	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	4	27.5	28.	31.	26.	6.	2.449	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	9.5	8.75	11.	5.	8.25	2.872	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	11.5	11.75	15.	9.	7.583	2.754	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	4	3.	3.25	4.	3.	0.25	0.5	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	4 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	4	2.	2.725	5.2	1.7	2.769	1.664	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	4	5.5	5.5	7.	4.	1.667	1.291	**	**	**	**

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	22	20.4	21.132	27.	13.2	13.649	3.694	15.89	18.875	24.625	25.65
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	22	56.	57.409	87.	40.	221.682	14.889	40.	40.75	72.25	76.7
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	21	7.1	7.01	9.7	3.	2.217	1.489	4.92	6.25	8.05	8.86
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	17	7.	6.918	7.5	6.1	0.133	0.364	6.26	6.7	7.15	7.42
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	17	7.	6.753	7.5	6.1	0.162	0.402	6.26	6.7	7.15	7.42
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	17	0.1	0.177	0.794	0.032	0.038	0.195	0.038	0.071	0.205	0.56
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	22	21.5	20.864	32.	7.	56.6	7.523	11.3	13.75	28.25	31.4
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	22	18.5	18.409	29.	12.	16.634	4.079	13.3	15.	21.25	22.7
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	21	5.	5.	9.	2.	3.3	1.817	3.	4.	6.	8.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	21 ##	5.	5.476	15.	5.	4.762	2.182	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	21 ##	250.	261.905	500.	250.	2976.19	54.554	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	13	15.	30.692	110.	0.	1310.564	36.202	0.	7.	57.5	102.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	13	1.176	1.143	2.041	0.	0.424	0.651	0.	0.845	1.759	2.007
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			13.896								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	13	200.	4280.385	28200.	10.	78777818.59	8875.687	22.	60.	3325.	24520.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	13	2.301	2.593	4.45	1.	1.139	1.067	1.241	1.772	3.474	4.382
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			391.606								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	20 ##	0.1	0.149	0.33	0.1	0.008	0.088	0.1	0.1	0.205	0.309
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	22	1.85	3.405	14.	0.9	15.382	3.922	1.	1.075	3.475	12.
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	22	10.	11.409	26.	5.	36.92	6.076	5.	6.75	15.	22.8

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

Seasonal Analysis for Season #2: 10/15 to 3/14 - Station OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	45	6.8	7.678	17.8	0.1	14.499	3.808	2.92	4.9	10.4	12.18
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	44	35.	38.455	107.	6.	409.416	20.234	20.	28.25	42.25	63.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	44	10.95	10.489	13.3	2.2	4.494	2.12	7.65	9.825	11.8	12.7
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	41	6.9	6.912	7.5	5.9	0.13	0.361	6.4	6.8	7.1	7.4
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	41	6.9	6.734	7.5	5.9	0.163	0.403	6.4	6.8	7.1	7.4
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	41	0.126	0.185	1.259	0.032	0.054	0.232	0.04	0.079	0.158	0.398
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	43	9.	13.372	40.	5.	101.477	10.074	5.4	8.	16.	32.8
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	43	13.	16.023	56.	10.	77.071	8.779	10.4	11.	17.	24.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	39	4.	4.718	10.	2.	3.576	1.891	3.	3.	6.	8.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	42 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	39 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	34	6.5	39.059	402.	0.	8368.118	91.477	0.	1.	27.	142.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	34	0.812	0.898	2.604	0.	0.587	0.766	0.	0.	1.431	2.034
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.898								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	31	28.	723.129	15600.	0.	7979211.983	2824.75	2.	10.	146.	1925.4
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	31	1.447	1.57	4.193	0.	0.967	0.983	0.301	1.	2.164	3.237
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			37.16								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	43 ##	0.1	0.123	0.32	0.1	0.004	0.061	0.1	0.1	0.1	0.262
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	44	1.55	4.123	40.	0.6	49.122	7.009	0.9	1.1	4.15	10.6
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	43	7.	8.372	28.	4.	18.858	4.343	4.	6.	10.	13.

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	37	13.4	14.241	26.6	7.2	23.672	4.865	8.18	10.95	16.65	20.88
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	37	32.	34.189	55.	15.	117.435	10.837	19.	28.5	40.	52.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	35	10.1	9.763	11.7	5.2	2.207	1.485	7.86	9.	11.	11.48

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	37	6.9	6.854	7.3	6.1	0.075	0.273	6.48	6.7	7.	7.12
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	37	6.9	6.753	7.3	6.1	0.085	0.292	6.48	6.7	7.	7.12
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	37	0.126	0.176	0.794	0.05	0.024	0.155	0.076	0.1	0.2	0.333
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	38	9.	10.289	23.	5.	17.725	4.21	6.	7.75	12.	17.3
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	38	13.	13.053	22.	9.	9.619	3.101	9.9	10.	15.	16.2
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	37	3.	4.135	11.	2.	5.12	2.263	2.	3.	5.	7.2
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	38 ##	5.	5.605	23.	5.	9.056	3.009	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	38 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	29	13.	36.655	400.	0.	6379.377	79.871	1.	5.	27.	125.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	29	1.114	1.083	2.602	0.	0.399	0.632	0.	0.699	1.431	2.097
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12.099								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	28	65.	227.393	2400.	0.	222069.433	471.242	1.8	8.5	197.5	688.5
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	28	1.812	1.678	3.38	0.	0.82	0.906	0.271	0.927	2.295	2.838
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			47.651								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	38 ##	0.1	0.136	0.45	0.1	0.007	0.085	0.1	0.1	0.1	0.267
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	38	2.15	4.226	35.	1.	42.383	6.51	1.29	1.575	4.375	6.58
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	38	6.	7.842	20.	3.	18.677	4.322	4.	5.	9.	15.3

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

Station Inventory for Station: OBRI0079

NPS Station ID: OBRI0079 | LAT/LON: 36.123253/ -84.798087 | Agency: 11NPSWRD | Date Created: 07/04/98
Location: WHITE CREEK ABOVE BARNETT BRIDGE (WALTMAN FORD) | FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): OBRI_NPS_WC2
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208 | Depth of Water: 0 | Aquifer:
Major Basin: TENNESSEE RIVER | Elevation: 0 | Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES | ECO Region:
RF1 Index: 06010208 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 06010208000109.53 | RF3 Mile Point: 9.53 | Distance from RF3: 0.48 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE HEBBERTSBURG TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS INSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT WHITE CREEK NEAR THE CONFLUENCE OF WHITE CREEK AND CLEAR CREEK 0.2 KM ABOVE THE BARNETT BRIDGE (WALTMAN FORD) AT STREAM MILE 0.3. DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSEE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/80-06/22/80	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/22/80-06/22/80	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/22/80-06/22/80	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/22/80-06/22/80	1	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/22/80-06/22/80	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/22/80-06/22/80	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/80-06/22/80	1	0.398	0.398	0.398	0.398	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/22/80-06/22/80	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/22/80-06/22/80	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	06/22/80-06/22/80	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/22/80-06/22/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/22/80-06/22/80	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	06/22/80-06/22/80	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/22/80-06/22/80	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/22/80-06/22/80	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/22/80-06/22/80	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/22/80-06/22/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/22/80-06/22/80	1	150.	150.	150.	150.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/22/80-06/22/80	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

Parameter Inventory for Station: OBRI0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092	ZINC, TOTAL (UG/L AS ZN)	06/22/80-06/22/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/22/80-06/22/80	1	100.	100.	100.	100.	0.	0.	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	06/22/80-06/22/80	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/22/80-06/22/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/22/80-06/22/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/22/80-06/22/80	1	123.	123.	123.	123.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/22/80-06/22/80	1	2.09	2.09	2.09	2.09	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			123.								
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/22/80-06/22/80	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/22/80-06/22/80	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/22/80-06/22/80	1	5.	5.	5.	5.	0.	0.	**	**	**	**
82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	06/22/80-06/22/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0079

				Total	Exceed	Prop.	----------7/01-10/14----------			----------10/15-3/14----------			----------3/15-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
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			
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: OBRI0080

NPS Station ID: OBRI0080 | LAT/LON: 36.183921/ -84.798504 | Agency: 11NPSWRD | Date Created: 08/02/99
Location: WHITE CREEK AT RM 7.3 ABOVE TWIN BRIDGES | FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): OBRI_DEC_WC
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 06010208 | Depth of Water: 0 | Aquifer:
Major Basin: TENNESSEE RIVER | Elevation: 1330 | Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES | ECO Region:
RF1 Index: 06010208 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 06010208000109.53 | RF3 Mile Point: 9.53 | Distance from RF3: 0.48 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TWIN BRIDGES TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE OUTSIDE OF THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT RIVER MILE 7.3 ON WHITE CREEK JUST ABOVE TWIN BRIDGES. WATER QUALITY DATA WERE COLLECTED IN 1996 AND 1997 BY JONATHON BURR OF THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION. FOR MORE INFORMATION CONTACT THE DEPARTMENT OF ENVIRONMENT AND CONSERVATION AT TEL(423) 594-5616. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970) 225-3516.

Parameter Inventory for Station: OBRI0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/96-12/03/97	9	12.3	15.267	25.8	5.	65.355	8.084	5.	7.45	23.55	25.8
00070	TURBIDITY, (JACKSON CANDLE UNITS)	08/20/96-12/03/97	9	0.7	1.633	4.7	0.4	2.37	1.539	0.4	0.45	2.9	4.7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/20/96-12/03/97	9	52.	47.111	93.	2.	604.611	24.589	2.	33.5	57.5	93.
00300	OXYGEN, DISSOLVED MG/L	08/20/96-12/03/97	9	10.5	10.711	14.3	8.8	3.261	1.806	8.8	8.9	11.65	14.3
00340	COD, .25N K2CR2O7 MG/L	08/20/96-12/03/97	9 ##	2.5	4.389	13.	2.5	15.049	3.879	2.5	2.5	5.75	13.
00400	PH (STANDARD UNITS)	08/20/96-09/29/97	8	7.49	7.337	7.65	6.8	0.122	0.349	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/20/96-09/29/97	8	7.481	7.206	7.65	6.8	0.142	0.376	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/96-09/29/97	8	0.033	0.062	0.158	0.022	0.003	0.054	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/20/96-12/03/97	9	27.	30.333	47.	18.	96.	9.798	18.	24.5	38.	47.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/96-12/03/97	9	2.	2.167	5.	0.5	2.125	1.458	0.5	1.	3.	5.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/96-12/03/97	9 ##	0.01	0.031	0.2	0.01	0.004	0.063	0.01	0.01	0.01	0.2
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/96-12/03/97	9 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/20/96-12/03/97	9	0.05	0.046	0.07	0.01	0.	0.02	0.01	0.03	0.06	0.07
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/96-12/03/97	9	0.004	0.004	0.009	0.002	0.	0.003	0.002	0.002	0.008	0.009
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/20/96-12/03/97	9	24.	25.111	45.	15.	75.361	8.681	15.	19.5	27.5	45.
00945	SULFATE, TOTAL (MG/L AS SO4)	08/20/96-12/03/97	9	7.	6.667	10.	5.	2.25	1.5	5.	5.5	7.	10.
01027	CADMIUM, TOTAL (UG/L AS CD)	08/20/96-12/03/97	9 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01042	COPPER, TOTAL (UG/L AS CU)	08/20/96-12/03/97	9 ##	0.5	0.778	3.	0.5	0.694	0.833	0.5	0.5	0.5	3.
01045	IRON, TOTAL (UG/L AS FE)	08/20/96-12/03/97	9	57.	73.	168.	34.	1785.	42.249	34.	45.	93.	168.
01051	LEAD, TOTAL (UG/L AS PB)	08/20/96-12/03/97	9 ##	0.5	1.389	6.	0.5	3.674	1.917	0.5	0.5	1.75	6.
01055	MANGANESE, TOTAL (UG/L AS MN)	08/20/96-12/03/97	9	10.	8.667	24.	2.5	51.625	7.185	2.5	2.5	12.	24.
01067	NICKEL, TOTAL (UG/L AS NI)	08/20/96-12/03/97	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	08/20/96-12/03/97	9	6.	6.278	14.	0.5	16.444	4.055	0.5	3.	8.5	14.
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/20/96-12/03/97	9 ##	50.	57.778	120.	50.	544.444	23.333	50.	50.	50.	120.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/20/96-12/03/97	8	17.	42.75	202.	1.	4639.643	68.115	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/20/96-12/03/97	8	1.211	1.083	2.305	0.	0.697	0.835	**	**	**	**

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

Parameter Inventory for Station: OBRI0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12.115								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/20/96-12/03/97	9	72.	94.5	310.	0.5	11380.	106.677	0.5	2.	160.	310.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	08/20/96-12/03/97	9	1.857	1.405	2.491	-0.301	1.047	1.023	-0.301	0.301	2.171	2.491
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			25.417								
71900	MERCURY, TOTAL (UG/L AS HG)	08/20/96-12/03/97	9 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1

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

EPA Water Quality Criteria Analysis for Station: OBRI0080

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
00400	PH	Fresh Chronic	9.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
		Drinking Water	5.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
		Drinking Water	1300.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
		Drinking Water	15.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
		Drinking Water	100.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
		Drinking Water	5000.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	8	1	0.13	2	1	0.50	4	0	0.00	2	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
		Drinking Water	2.	9	0	0.00	3	0	0.00	4	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: OBRI0081

NPS Station ID: OBRI0081
LAT/LON: 36.124726/ -84.799448
Agency: 112WRD
Date Created: / /
Location: WHITE CREEK NEAR FRANKFORT, TENN
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03539730
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208009
RF1 Mile Point: 0.140
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 06010208001500.00
RF3 Mile Point: 0.18
Distance from RF3: 0.25
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/65-05/22/65	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	05/22/65-05/22/65	1	88.	88.	88.	88.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/22/65-05/22/65	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/22/65-05/22/65	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/22/65-05/22/65	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/22/65-05/22/65	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/22/65-05/22/65	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	05/22/65-05/22/65	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	05/22/65-05/22/65	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/22/65-05/22/65	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/22/65-05/22/65	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/22/65-05/22/65	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/22/65-05/22/65	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/22/65-05/22/65	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/22/65-05/22/65	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/22/65-05/22/65	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/22/65-05/22/65	1	200.	200.	200.	200.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	05/22/65-05/22/65	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: OBRI0081

				Total	Exceed	Prop.	----------7/01-10/14----------			----------10/15-3/14----------			----------3/15-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: OBRI0082

NPS Station ID: OBRI0082
LAT/LON: 36.177781/ -84.800281
Agency: 112WRD
Date Created: 07/21/79
Location: WHITE CREEK AT TWIN BRIDGES, TN
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03539719
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208009
RF1 Mile Point: 5.870
Distance from RF1: 9.50
On/Off RF1: OFF
RF3 Index: 06010208004600.00
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/24/79-08/19/81	4	16.5	15.75	21.	9.	30.75	5.545	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/24/79-08/19/81	5	9.	126.08	556.	0.	58490.332	241.848	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/24/79-08/19/81	4	27.	35.75	67.	22.	439.583	20.966	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/19/81-08/19/81	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/24/79-08/19/81	4	6.65	6.575	6.9	6.1	0.116	0.34	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/24/79-08/19/81	4	6.647	6.465	6.9	6.1	0.132	0.363	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/24/79-08/19/81	4	0.225	0.343	0.794	0.126	0.093	0.305	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/19/81-08/19/81	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/19/81-08/19/81	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/19/81-08/19/81	1	0.398	0.398	0.398	0.398	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	09/06/79-09/06/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/24/79-08/19/81	4	6.5	10.	23.	4.	78.	8.832	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/19/81-08/19/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/19/81-08/19/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/19/81-08/19/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/81-08/19/81	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/19/81-08/19/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/19/81-08/19/81	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/19/81-08/19/81	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/19/81-08/19/81	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/19/81-08/19/81	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/19/81-08/19/81	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/19/81-08/19/81	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/81-08/19/81	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/24/79-08/19/81	4	4.	4.25	6.	3.	1.583	1.258	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/19/81-08/19/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/81-08/19/81	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/19/81-08/19/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/06/79-07/17/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/19/81-08/19/81	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/19/81-08/19/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-07/17/80	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-07/17/80	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/19/81-08/19/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/06/79-07/17/80	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/19/81-08/19/81	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/06/79-07/17/80	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	05/24/79-08/19/81	3	400.	476.667	880.	150.	137633.333	370.99	**	**	**	**

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

Parameter Inventory for Station: OBRI0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	05/24/79-08/19/81	4	390.	465.	950.	130.	129166.667	359.398	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/24/79-08/19/81	4	90.	85.	120.	40.	1366.667	36.968	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/19/81-08/19/81	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/06/79-07/17/80	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/06/79-07/17/80	2	82.5	82.5	100.	65.	612.5	24.749	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/24/79-08/19/81	4	10.	20.	60.	0.	733.333	27.08	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/24/79-08/19/81	4	35.	66.25	190.	5.	7022.917	83.803	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/24/79-08/19/81	4	25.	50.	130.	20.	2866.667	53.541	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/19/81-08/19/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/19/81-08/19/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/06/79-07/17/80	2	9.45	9.45	10.	8.9	0.605	0.778	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/19/81-08/19/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/06/79-07/17/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/06/79-07/17/80	2	2650.	2650.	2700.	2600.	5000.	70.711	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/19/81-08/19/81	1	43.	43.	43.	43.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/19/81-08/19/81	1	33.	33.	33.	33.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/19/81-08/19/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/19/81-08/19/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/24/79-05/24/79	1	94.	94.	94.	94.	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/19/81-08/19/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/19/81-08/19/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/06/79-07/17/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/24/79-11/07/79	3	1.	1.167	2.	0.5	0.583	0.764	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/24/79-11/07/79	3	0.04	1.02	3.	0.02	2.94	1.715	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	08/19/81-08/19/81	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0082

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	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	1	0.25	2	0	0.00	1	0	0.00	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									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	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									
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01077	SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									

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

EPA Water Quality Criteria Analysis for Station: OBRI0082

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
	Drinking Water	2.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: OBRI0083

NPS Station ID: OBRI0083
LAT/LON: 35.997781/ -84.823254
Agency: 11NPSWRD
Date Created: 07/04/98
Location: DADDYS CREEK AT THE ANTIOCH BRIDGE
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_NPS_DC9
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE OZONE TN-CUMBERLAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS OUTSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT DADDYS CREEK NEAR THE ANTIOCH BRIDGE AT STREAM MILE 9.1. DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSEE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NPS WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/80-07/31/80	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/31/80-07/31/80	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/31/80-07/31/80	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/31/80-07/31/80	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/31/80-07/31/80	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/31/80-07/31/80	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/80-07/31/80	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/80-07/31/80	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	07/31/80-07/31/80	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/31/80-07/31/80	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/31/80-07/31/80	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	07/31/80-07/31/80	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/31/80-07/31/80	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/31/80-07/31/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/31/80-07/31/80	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/31/80-07/31/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/31/80-07/31/80	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/31/80-07/31/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/31/80-07/31/80	1	4.	4.	4.	4.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: OBRI0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/31/80-07/31/80	1	300.	300.	300.	300.	0.	0.	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	07/31/80-07/31/80	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	07/31/80-07/31/80	1	12.	12.	12.	12.	0.	0.	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	07/31/80-07/31/80	1	1.079	1.079	1.079	1.079	0.	0.	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			12.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/31/80-07/31/80	1	7.	7.	7.	7.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/31/80-07/31/80	1	0.845	0.845	0.845	0.845	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			7.								
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/31/80-07/31/80	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	07/31/80-07/31/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0083

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: OBRI0084

NPS Station ID: OBRI0084
LAT/LON: 35.998059/ -84.823337
Agency: 112WRD
Date Created: / /
Location: DADDYS CR NR HEBBERTSBURG, TENN.
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03539600
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208015
RF1 Mile Point: 8.120
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 06010208001319.30
RF3 Mile Point: 19.52
Distance from RF3: 0.06
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0084

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/65-08/18/81	11	15.	15.691	27.5	8.5	52.995	7.28	8.6	9.	23.	27.1
00060	FLOW, STREAM, MEAN DAILY CFS	05/22/65-09/28/65	2	62.	62.	102.	22.	3200.	56.569	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/24/79-08/18/81	12	2090.	3199.917	9730.	2.	12939064.083	3597.091	3.2	68.75	5555.	9730.
00080	COLOR (PLATINUM-COBALT UNITS)	05/22/65-09/28/65	2	8.5	8.5	11.	6.	12.5	3.536	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/22/65-08/18/81	11	45.	63.182	130.	33.	1249.964	35.355	33.8	37.	95.	128.
00300	OXYGEN, DISSOLVED MG/L	08/18/81-08/18/81	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/22/65-08/18/81	11	7.2	7.227	7.8	6.6	0.128	0.358	6.62	7.1	7.4	7.78
00400	CONVERTED PH (STANDARD UNITS)	05/22/65-08/18/81	11	7.2	7.089	7.8	6.6	0.149	0.386	6.62	7.1	7.4	7.78
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/22/65-08/18/81	11	0.063	0.081	0.251	0.016	0.006	0.075	0.017	0.04	0.079	0.241
00403	PH, LAB, STANDARD UNITS SU	08/18/81-08/18/81	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/18/81-08/18/81	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/18/81-08/18/81	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/28/65-08/18/81	10	15.	22.1	48.	7.	231.211	15.206	7.3	10.	35.5	47.8
00440	BICARBONATE ION (MG/L AS HCO3)	05/22/65-09/28/65	2	24.	24.	32.	16.	128.	11.314	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	05/22/65-09/28/65	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/18/81-08/18/81	1	0.44	0.44	0.44	0.44	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/22/65-09/28/65	2	0.005	0.005	0.01	0.	0.	0.007	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/18/81-08/18/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	08/18/81-08/18/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/22/65-08/18/81	3	26.	28.	44.	14.	228.	15.1	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/22/65-08/18/81	3	0.	0.667	2.	0.	1.333	1.155	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/22/65-08/18/81	2	10.15	10.15	15.	5.3	47.045	6.859	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/22/65-08/18/81	2	0.95	0.95	1.5	0.4	0.605	0.778	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/22/65-08/18/81	2	2.8	2.8	5.1	0.5	10.58	3.253	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/18/81-08/18/81	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/18/81-08/18/81	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/22/65-08/18/81	2	1.	1.	1.4	0.6	0.32	0.566	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/22/65-08/18/81	3	2.	3.933	9.	0.8	19.613	4.429	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/22/65-08/18/81	11	6.	5.909	9.	3.	2.291	1.514	3.4	5.	7.	8.6
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/22/65-08/18/81	2 ##	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/22/65-08/18/81	2	1.85	1.85	3.2	0.5	3.645	1.909	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/18/81-08/18/81	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/06/79-07/17/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/18/81-08/18/81	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/18/81-08/18/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-07/17/80	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/79-07/17/80	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/18/81-08/18/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

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Parameter Inventory for Station: OBRI0084

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/06/79-07/17/80	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/18/81-08/18/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/06/79-07/17/80	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	05/24/79-08/18/81	8	1300.	1431.25	5100.	140.	2616326.786	1617.506	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/24/79-08/18/81	9	1200.	1356.667	5200.	180.	2517825.	1586.766	180.	210.	1650.	5200.
01046	IRON, DISSOLVED (UG/L AS FE)	05/22/65-08/18/81	11	70.	69.091	100.	30.	649.091	25.477	32.	40.	90.	100.
01051	LEAD, TOTAL (UG/L AS PB)	08/18/81-08/18/81	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/06/79-07/17/80	2	20.	20.	30.	10.	200.	14.142	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/06/79-07/17/80	2	160.	160.	200.	120.	3200.	56.569	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/24/79-08/18/81	9	50.	86.667	360.	10.	12600.	112.25	10.	15.	115.	360.
01055	MANGANESE, TOTAL (UG/L AS MN)	05/24/79-08/18/81	9	80.	121.111	450.	10.	17911.111	133.832	10.	35.	155.	450.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/22/65-08/18/81	11	30.	28.636	90.	0.	810.455	28.468	0.	5.	50.	84.
01077	SILVER, TOTAL (UG/L AS AG)	08/18/81-08/18/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/18/81-08/18/81	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/06/79-07/17/80	2	18.5	18.5	20.	17.	4.5	2.121	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/22/65-09/28/65	2	100.	100.	200.	0.	20000.	141.421	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/18/81-08/18/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/06/79-07/17/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/06/79-07/17/80	2	7900.	7900.	11000.	4800.	19220000.	4384.062	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/22/65-08/18/81	2	51.5	51.5	79.	24.	1512.5	38.891	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/18/81-08/18/81	1	63.	63.	63.	63.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/18/81-08/18/81	1	1.26	1.26	1.26	1.26	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/18/81-08/18/81	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/24/79-03/21/80	6	61.5	65.333	85.	49.	203.467	14.264	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	05/22/65-09/28/65	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/18/81-08/18/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/18/81-08/18/81	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/06/79-07/17/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/24/79-07/17/80	11	82.	190.909	565.	3.	52005.691	228.048	3.2	5.	473.	564.8
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/24/79-07/17/80	11	492.	3544.645	14800.	0.03	30426121.015	5515.988	0.056	1.9	8090.	14320.
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	08/18/81-08/18/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: OBRI0084

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	9.	11	0	0.00	4	0	0.00	1	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	11	0	0.00	4	0	0.00	1	0	0.00	6	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									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	250.	3	0	0.00	2	0	0.00				1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	11	0	0.00	4	0	0.00	1	0	0.00	6	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	1	0	0.00				1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									

& - 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: OBRI0084

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01077	SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00	1	0	0.00				1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: OBRI0085

NPS Station ID: OBRI0085
LAT/LON: 35.997781/ -84.823616
Agency: 131TVAC
Date Created: / /
Location:
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475136 /3596
RMI-Indexes: 1021500 007720 00920 7930 0250 1010 0310
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 009.10 09.08
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: CLINCH RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: DADDYS CREEK 9.08
ECO Region:
RF1 Index: 06010208015
RF1 Mile Point: 8.120
Distance from RF1: 0.70
On/Off RF1: OFF
RF3 Index: 06010208001703.32
RF3 Mile Point: 5.09
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-11/02/71	16	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-11/02/71	16	18.65	16.938	24.	1.	47.985	6.927	4.85	14.625	23.	24.
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/25/67-11/02/71	15	39.	124.133	885.	8.	53979.695	232.335	8.6	10.	100.	589.2
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/23/67-11/02/71	14	2.	4.357	20.	0.5	36.632	6.052	0.5	0.5	4.5	17.5
00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-11/02/71	14	15.	15.	40.	5.	92.308	9.608	5.	8.75	17.5	32.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/67-11/02/71	14	72.5	66.929	87.	35.	304.379	17.446	38.5	47.75	80.75	86.
00300	OXYGEN, DISSOLVED MG/L	06/23/67-11/02/71	16	8.6	8.869	11.9	6.7	1.836	1.355	7.05	8.325	9.175	11.76
00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-11/02/71	14 ##	0.5	1.007	2.3	0.5	0.459	0.678	0.5	0.5	1.7	2.2
00335	COD, .025N K2CR2O7 MG/L	06/23/67-04/23/68	9	10.	9.556	14.	5.	8.528	2.92	5.	7.	11.5	14.
00400	PH (STANDARD UNITS)	07/25/67-11/02/71	15	7.	7.02	7.9	6.2	0.27	0.52	6.2	6.6	7.5	7.72
00400	CONVERTED PH (STANDARD UNITS)	07/25/67-11/02/71	15	7.	6.747	7.9	6.2	0.35	0.592	6.2	6.6	7.5	7.72
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/67-11/02/71	15	0.1	0.179	0.631	0.013	0.044	0.209	0.02	0.032	0.251	0.631
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/25/67-04/23/68	10	13.5	16.4	27.	7.	68.044	8.249	7.	9.25	25.25	26.9
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/25/67-04/23/68	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500	RESIDUE, TOTAL (MG/L)	07/25/67-04/23/68	7	40.	41.429	60.	20.	280.952	16.762	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/67-04/23/68	7	30.	32.857	50.	20.	123.81	11.127	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/67-11/02/71	14	0.22	0.217	0.64	0.005	0.02	0.141	0.068	0.148	0.22	0.48
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/67-11/02/71	14	0.01	0.029	0.25	0.005	0.004	0.064	0.005	0.005	0.02	0.14
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/23/67-11/02/71	14 ##	0.005	0.009	0.03	0.005	0.	0.007	0.005	0.005	0.01	0.025
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/23/67-11/02/71	14	0.12	0.141	0.31	0.005	0.012	0.111	0.005	0.046	0.243	0.31
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/67-11/02/71	14	0.016	0.02	0.068	0.002	0.	0.017	0.004	0.01	0.023	0.052
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/67-04/23/68	9	0.016	0.019	0.065	0.002	0.	0.02	0.002	0.002	0.028	0.065
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/71-11/02/71	5	0.01	0.01	0.013	0.007	0.	0.002	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/23/67-11/02/71	15	7.	7.767	13.	2.5	9.96	3.156	2.8	6.	11.	12.4
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/67-11/02/71	15	1.3	1.333	3.5	0.3	0.548	0.74	0.42	1.	1.5	2.6
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-11/02/71	14	1.4	1.35	2.3	0.2	0.429	0.655	0.3	0.8	1.9	2.25
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-11/02/71	14	1.45	1.621	3.	0.7	0.493	0.702	0.85	1.15	2.025	2.95
00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-11/02/71	16	4.	4.188	9.	2.	4.296	2.073	2.	2.	5.	7.6
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-11/02/71	16	5.5	6.313	16.	2.	14.096	3.754	2.	4.	7.75	13.2
00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-04/23/68	9	1.9	2.1	4.	0.7	1.543	1.242	0.7	0.95	3.4	4.
01042	COPPER, TOTAL (UG/L AS CU)	06/23/67-04/23/68	8 ##	5.	58.125	250.	5.	8242.411	90.788	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/23/67-04/23/68	10	260.	348.	1400.	80.	145506.667	381.453	85.	160.	340.	1300.
01046	IRON, DISSOLVED (UG/L AS FE)	07/25/67-02/12/68	9	100.	108.889	180.	60.	2211.111	47.022	60.	70.	155.	180.
01047	IRON, FERROUS (UG/L AS FE)	07/25/67-04/23/68	10 ##	25.	32.	50.	20.	156.667	12.517	20.5	25.	50.	50.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/67-04/23/68	8	35.	377.5	2800.	10.	958392.857	978.975	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/25/67-02/12/68	7	20.	29.286	100.	5.	1036.905	32.201	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/67-04/23/68	9	50.	71.111	210.	20.	3536.111	59.465	20.	35.	100.	210.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/06/71-11/02/71	5	150.	343.	1300.	5.	292720.	541.036	**	**	**	**

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

Parameter Inventory for Station: OBRI0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/06/71-11/02/71	5	2.176	2.002	3.114	0.699	0.79	0.889	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			100.471								
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/23/67-04/23/68	9	620.	1196.444	3600.	6.	2116695.778	1454.887	6.	86.	2600.	3600.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/23/67-04/23/68	9	2.792	2.562	3.556	0.778	0.837	0.915	0.778	1.917	3.38	3.556
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			364.559								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/23/68	9	21.	117.667	550.	1.	39319.25	198.291	1.	3.5	211.	550.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/23/68	9	1.322	1.298	2.74	0.	0.999	1.	0.	0.389	2.174	2.74
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			19.869								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/06/71-11/02/71	5 ##	5.	17.	50.	5.	382.5	19.558	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/06/71-11/02/71	5 ##	0.699	1.019	1.699	0.699	0.212	0.461	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.456								
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/23/67-11/02/71	15	24.	25.	38.	10.	80.143	8.952	10.	22.	34.	38.

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

EPA Water Quality Criteria Analysis for Station: OBRI0085

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	14	0	0.00	7	0	0.00	5	0	0.00	2	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	16	0	0.00	9	0	0.00	5	0	0.00	2	0	0.00			
00400	PH	Fresh Chronic	9.	15	0	0.00	9	0	0.00	5	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	15	3	0.20	9	3	0.33	5	0	0.00	1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	14	0	0.00	7	0	0.00	5	0	0.00	2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	14	0	0.00	7	0	0.00	5	0	0.00	2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	16	0	0.00	9	0	0.00	5	0	0.00	2	0	0.00			
		Drinking Water	250.	16	0	0.00	9	0	0.00	5	0	0.00	2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	16	0	0.00	9	0	0.00	5	0	0.00	2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	3	0.38	3	0	0.00	3	1	0.33	2	2	1.00			
		Drinking Water	1300.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	9	1	0.11	3	0	0.00	4	1	0.25	2	0	0.00			
		Drinking Water	5000.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	5	1	0.20	4	1	0.25	1	0	0.00						
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	9	3	0.33	3	0	0.00	4	2	0.50	2	1	0.50			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	9	2	0.22	3	1	0.33	4	1	0.25	2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	5	0	0.00	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

Station Inventory for Station: OBRI0086

NPS Station ID: OBRI0086
LAT/LON: 36.082948/ -84.831921
Agency: 11NPSWRD
Date Created: 07/04/98
Location: OTTER CREEK
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_NPS_OC7
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE HEBBERTSBURG TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS OUTSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT OTTER CREEK 0.1 STREAM MILES FROM THE CONFLUENCE OF OTTER CREEK AND THE OBED RIVER (OBED RIVER MILE 25.2). DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSEE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NPS WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/28/80-05/28/80	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	05/28/80-05/28/80	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-05/28/80	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/28/80-05/28/80	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/28/80-05/28/80	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/28/80-05/28/80	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/28/80-05/28/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/28/80-05/28/80	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	05/28/80-05/28/80	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/28/80-05/28/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/28/80-05/28/80	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	05/28/80-05/28/80	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/28/80-05/28/80	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/28/80-05/28/80	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/28/80-05/28/80	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/28/80-05/28/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/28/80-05/28/80	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/28/80-05/28/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/28/80-05/28/80	1	1.	1.	1.	1.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: OBRI0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/28/80-05/28/80	1	50.	50.	50.	50.	0.	0.	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	05/28/80-05/28/80	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/28/80-05/28/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/28/80-05/28/80	1	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			2.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/28/80-05/28/80	1	8.	8.	8.	8.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/28/80-05/28/80	1	0.903	0.903	0.903	0.903	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			8.								
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	05/28/80-05/28/80	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/28/80-05/28/80	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/28/80-05/28/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	05/28/80-05/28/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0086

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
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			
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: OBRI0087

NPS Station ID: OBRI0087
LAT/LON: 36.087838/ -84.852671
Agency: 11NPSWRD
Date Created: 07/04/98
Location: TOM BRANCH
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_NPS_TB6
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE HEBBERTSBURG TENNESSEE 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS OUTSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT TOM BRANCH 0.1 MILES FROM THE CONFLUENCE OF TOM BRANCH AND THE OBED RIVER (OBED RIVER MILE 30.4). DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSEE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NPS WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/28/80-05/28/80	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	05/28/80-05/28/80	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-05/28/80	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/28/80-05/28/80	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/28/80-05/28/80	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/28/80-05/28/80	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/28/80-05/28/80	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/28/80-05/28/80	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	05/28/80-05/28/80	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/28/80-05/28/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/28/80-05/28/80	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	05/28/80-05/28/80	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/28/80-05/28/80	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/28/80-05/28/80	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/28/80-05/28/80	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/28/80-05/28/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/28/80-05/28/80	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/28/80-05/28/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/28/80-05/28/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: OBRI0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/28/80-05/28/80	1	60.	60.	60.	60.	0.	0.	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	05/28/80-05/28/80	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	05/28/80-05/28/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	05/28/80-05/28/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/28/80-05/28/80	1	5.	5.	5.	5.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/28/80-05/28/80	1	0.699	0.699	0.699	0.699	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			5.								
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	05/28/80-05/28/80	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/28/80-05/28/80	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/28/80-05/28/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	05/28/80-05/28/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0087

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
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			
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: OBRI0088

NPS Station ID: OBRI0088 | LAT/LON: 36.052838/ -84.856366 | Agency: 11NPSWRD | Date Created: 05/09/98
Location: OTTER CREEK AT CATOOSA ROAD BRIDGE | FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): OBRI_NPS_OC-1
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 06010208 | Depth of Water: 0 | Aquifer:
Major Basin: TENNESSEE RIVER | Elevation: 0 | Water Body Id:
Minor Basin: TENNESSEE RIVER MAIN STEM AND MINOR TRIB | ECO Region:
RF1 Index: 06010208 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 06010208000109.53 | RF3 Mile Point: 9.53 | Distance from RF3: 0.48 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE HEBBERTSBURG TN-CUMBERLAND CO 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS ON A STREAM OUTSIDE THE BOUNDARY OF THE OBED WILD AND SCENIC RIVER. THE SITE IS ON OTTER CREEK AT THE BRIDGE CROSSING OFF OF CATOOSA ROAD. THE SITE IS SAMPLED FOR PH; CONDUCTIVITY; METALS; AND COLIFORMS. THE SAMPLING WAS BEGUN TO ENSURE THAT THE WILD AND SCENIC RIVER WAS PROTECTED AND PRESERVED AS MANDATED IN THE EARLY 1980'S. THE SAMPLING WAS DONE BY PARK PERSONNEL. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES; OBED WILD AND SCENIC RIVER; P.O. BOX 429; WARTBURG TN 37887-0429 (TEL. 423-346-6294). DATA WERE 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: OBRI0088

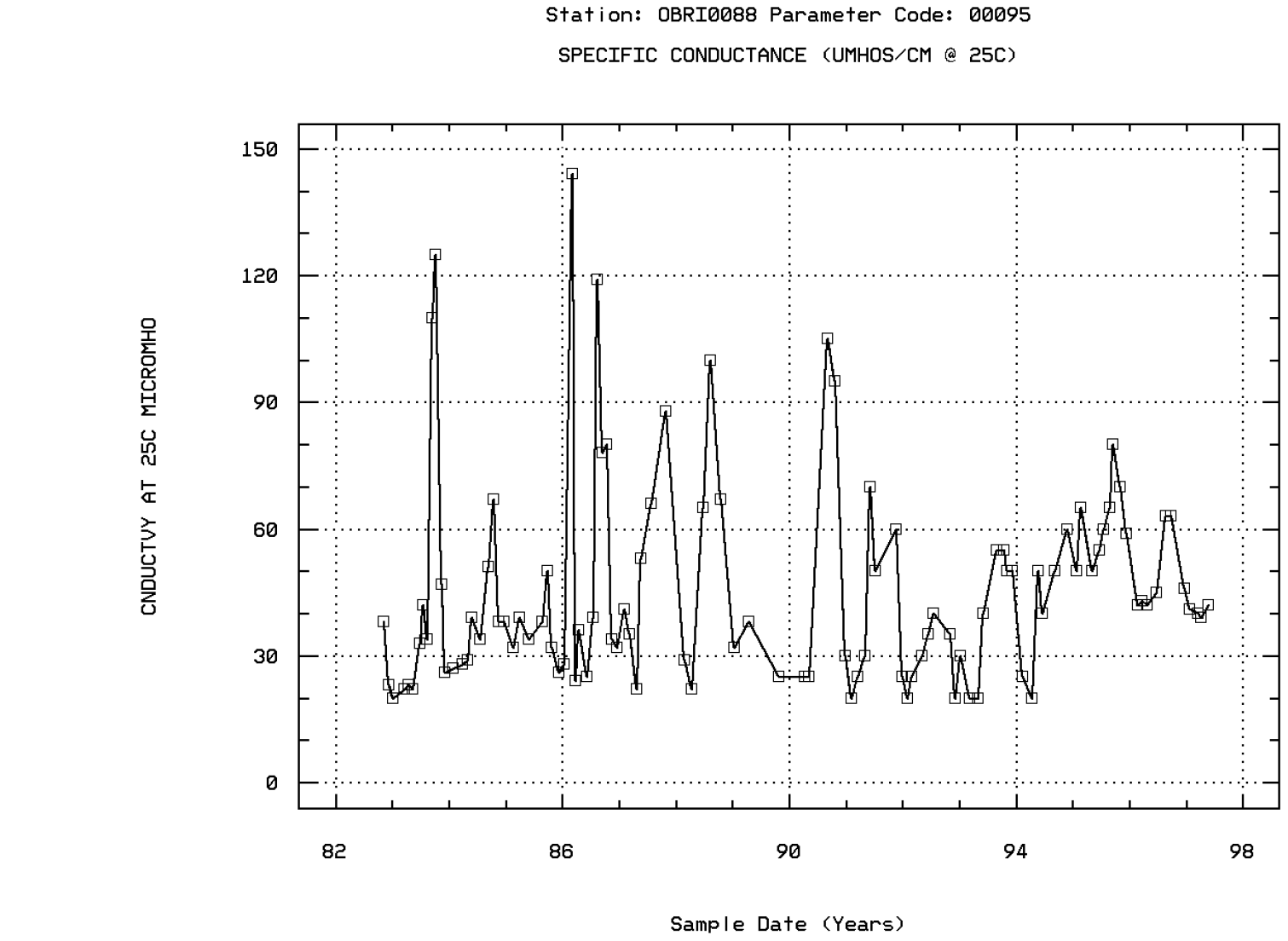
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	108	11.3	12.043	25.	0.1	32.25	5.679	4.99	7.275	16.725	20.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	107	39.	45.598	144.	20.	591.903	24.329	22.	28.	55.	78.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	104	10.1	9.838	12.9	3.8	2.74	1.655	7.65	8.625	10.975	11.85
00406p	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	99	6.9	6.907	7.8	5.8	0.15	0.387	6.4	6.6	7.2	7.5
00406p	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	99	6.9	6.722	7.8	5.8	0.185	0.43	6.4	6.6	7.2	7.5
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	99	0.126	0.19	1.585	0.016	0.053	0.231	0.032	0.063	0.251	0.398
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	107	14.	16.495	52.	5.	109.479	10.463	7.	9.	20.	34.
00612	AMMONIA, UNIONZED (MG/L AS N)	11/01/95-05/19/97	13	0.16	0.172	0.45	0.	0.019	0.139	0.008	0.04	0.29	0.406
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	107	16.	21.364	77.	8.	160.385	12.664	11.	14.	24.	38.2
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	101	3.	3.703	11.	1.	4.111	2.028	2.	2.	4.5	7.
00945p	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	105 ##	5.	5.352	16.	5.	2.711	1.647	5.	5.	5.	5.
01055p	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	103 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/10/83-04/11/88	24	45.5	137.417	850.	0.	54909.471	234.328	4.	10.25	132.5	660.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	05/10/83-04/11/88	24	1.65	1.61	2.929	0.	0.559	0.747	0.602	0.985	2.12	2.818
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			40.78								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	82	13.	37.024	600.	0.	5686.617	75.41	2.	5.	38.5	104.3
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	82	1.114	1.121	2.778	0.	0.406	0.637	0.301	0.699	1.585	2.017
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			13.206								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	09/19/83-05/19/97	76	71.	1552.711	40000.	0.	40340774.742	6351.439	3.4	10.25	265.	886.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	09/19/83-05/19/97	76	1.851	1.82	4.602	0.	1.054	1.027	0.512	1.01	2.423	2.928
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			66.084								
74010p	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	105 ##	0.1	0.171	1.23	0.1	0.044	0.211	0.1	0.1	0.1	0.282
82078p	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	108	2.45	5.771	100.	0.5	140.788	11.865	1.09	1.525	4.675	12.1
82242p	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	107	8.	8.981	46.	4.	26.735	5.171	5.	6.	10.	14.

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

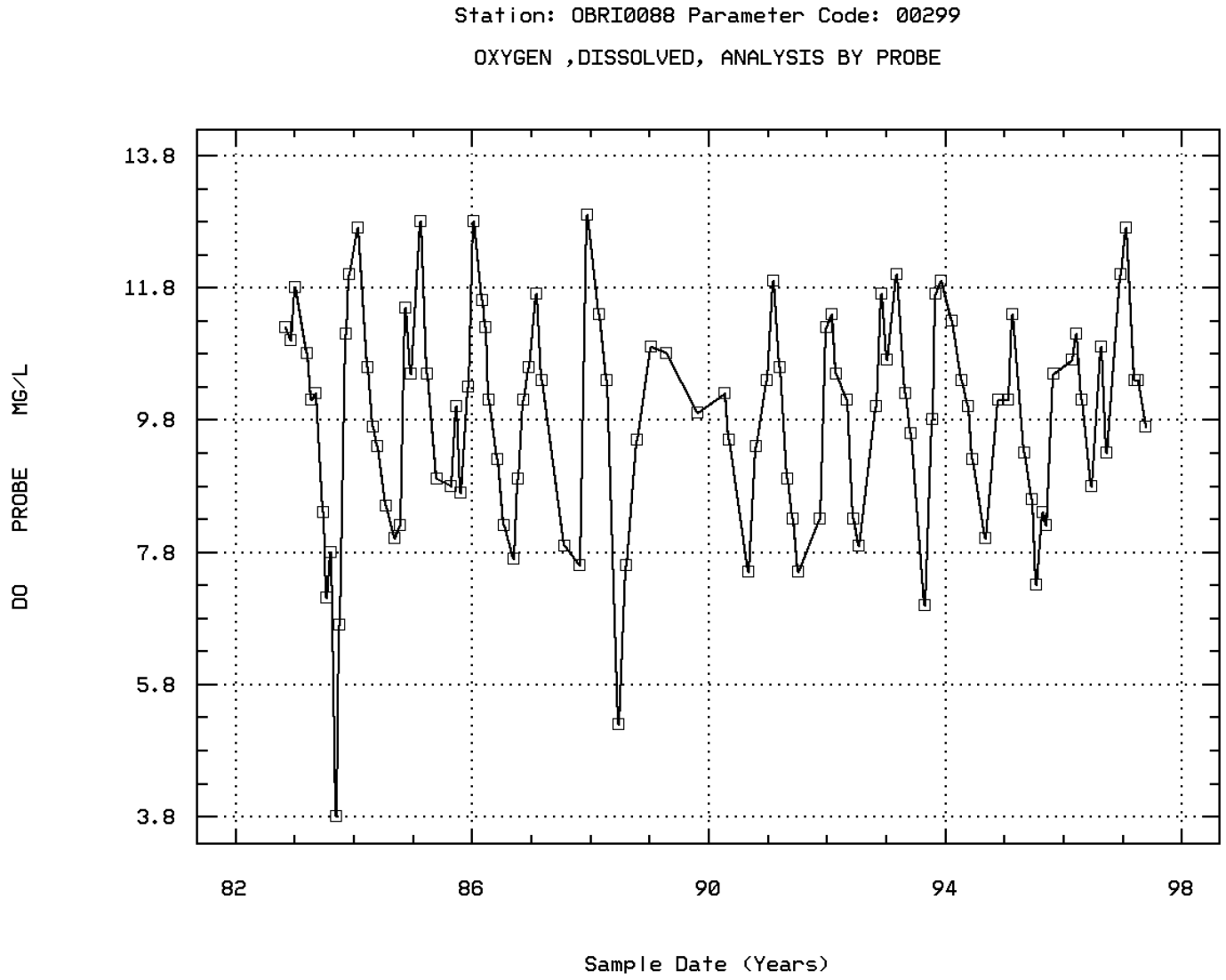
EPA Water Quality Criteria Analysis for Station: OBRI0088

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	104	1	0.01	23	1	0.04	46	0	0.00	35	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	99	0	0.00	19	0	0.00	43	0	0.00	37	0	0.00			
		Other-Lo Lim.	6.5	99	16	0.16	19	2	0.11	43	6	0.14	37	8	0.22			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	101	0	0.00	22	0	0.00	43	0	0.00	36	0	0.00			
		Drinking Water	250.	101	0	0.00	22	0	0.00	43	0	0.00	36	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	105	0	0.00	23	0	0.00	45	0	0.00	37	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	24	0	0.00	7	0	0.00	10	0	0.00	7	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	82	2	0.02	16	1	0.06	36	1	0.03	30	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	108	2	0.02	24	1	0.04	47	1	0.02	37	0	0.00			

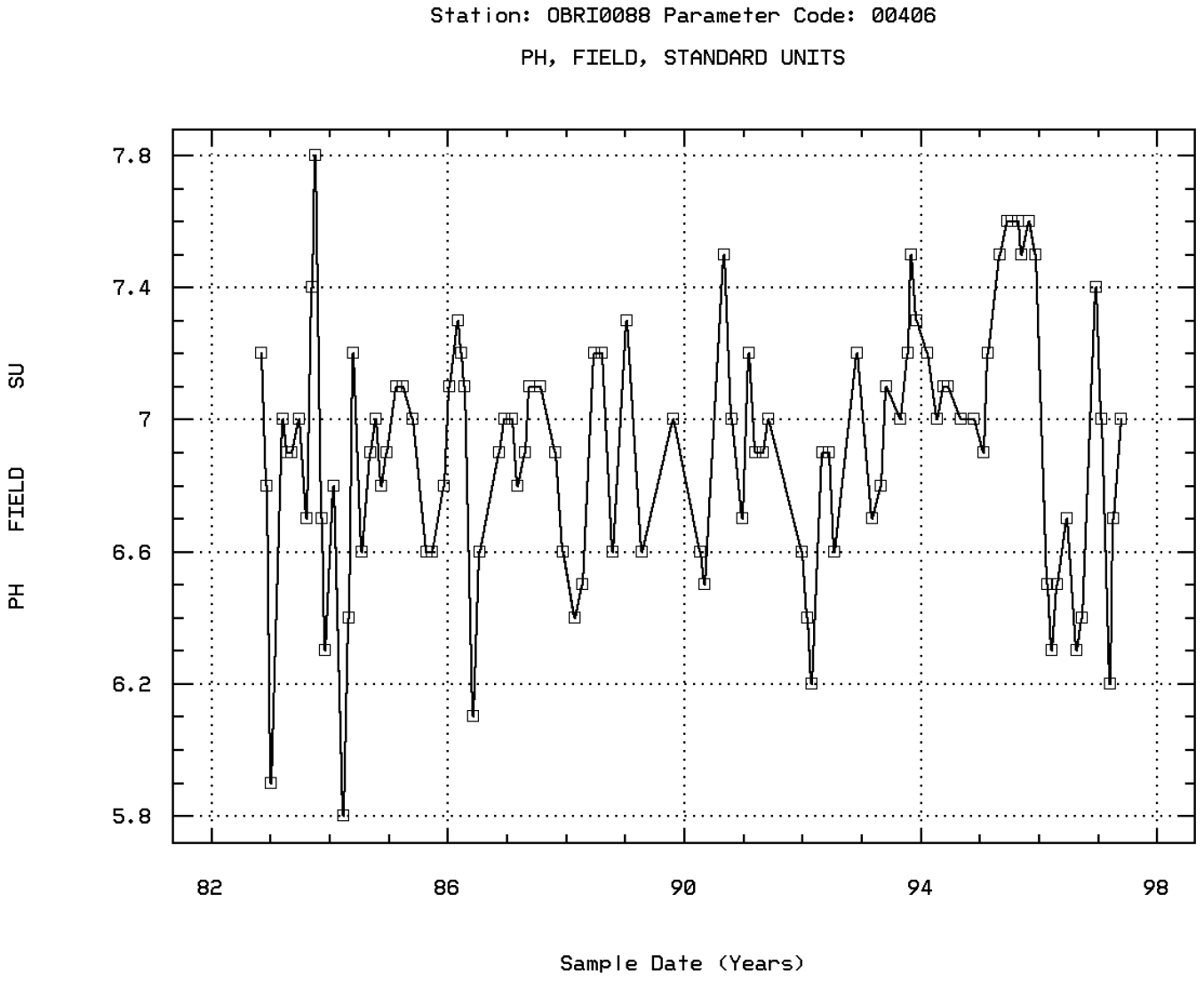
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



OTTER CREEK AT CATOOSA ROAD BRIDGE



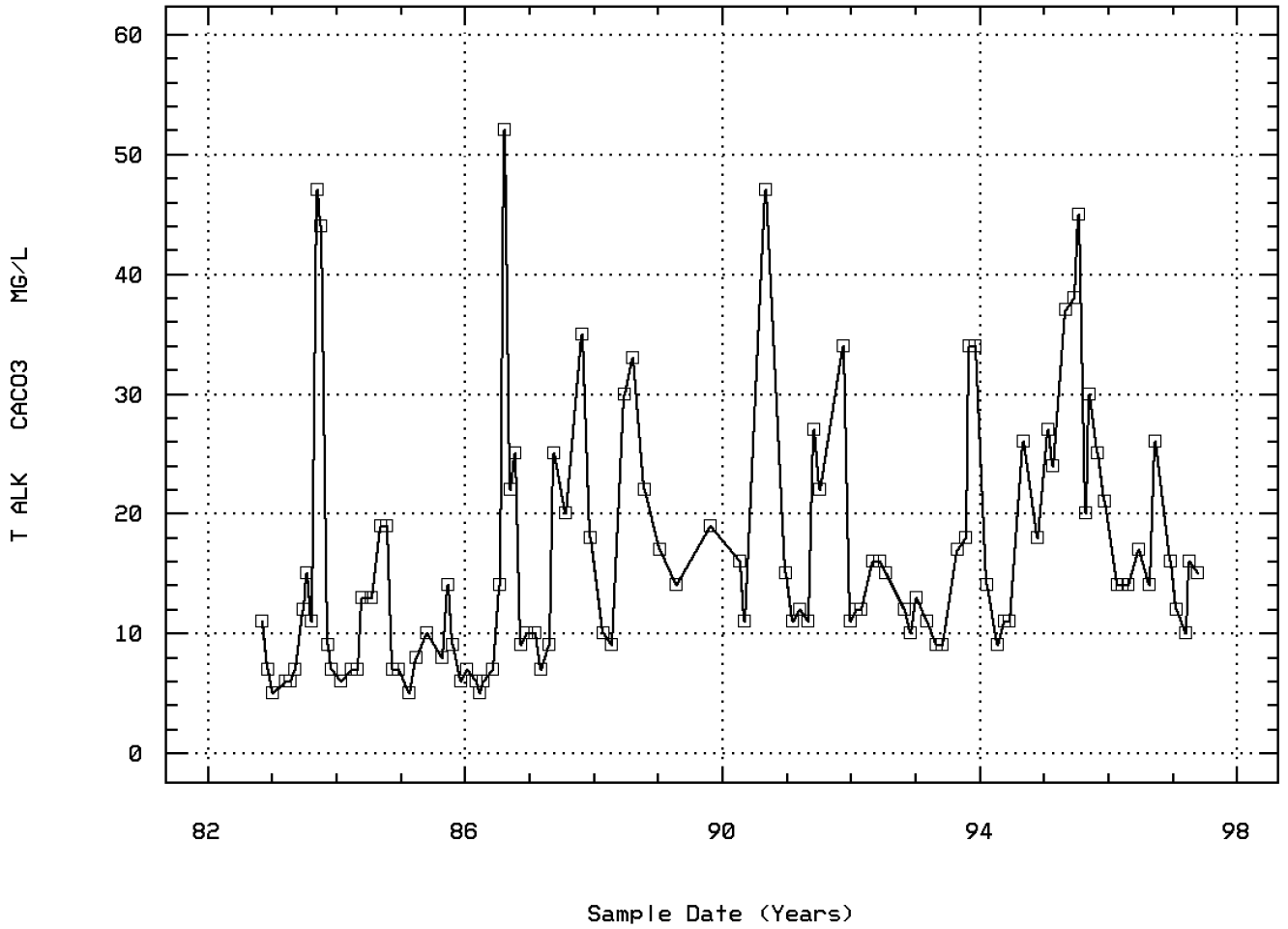
OTTER CREEK AT CATOOSA ROAD BRIDGE



OTTER CREEK AT CATOOSA ROAD BRIDGE

Station: OBRI0088 Parameter Code: 00410

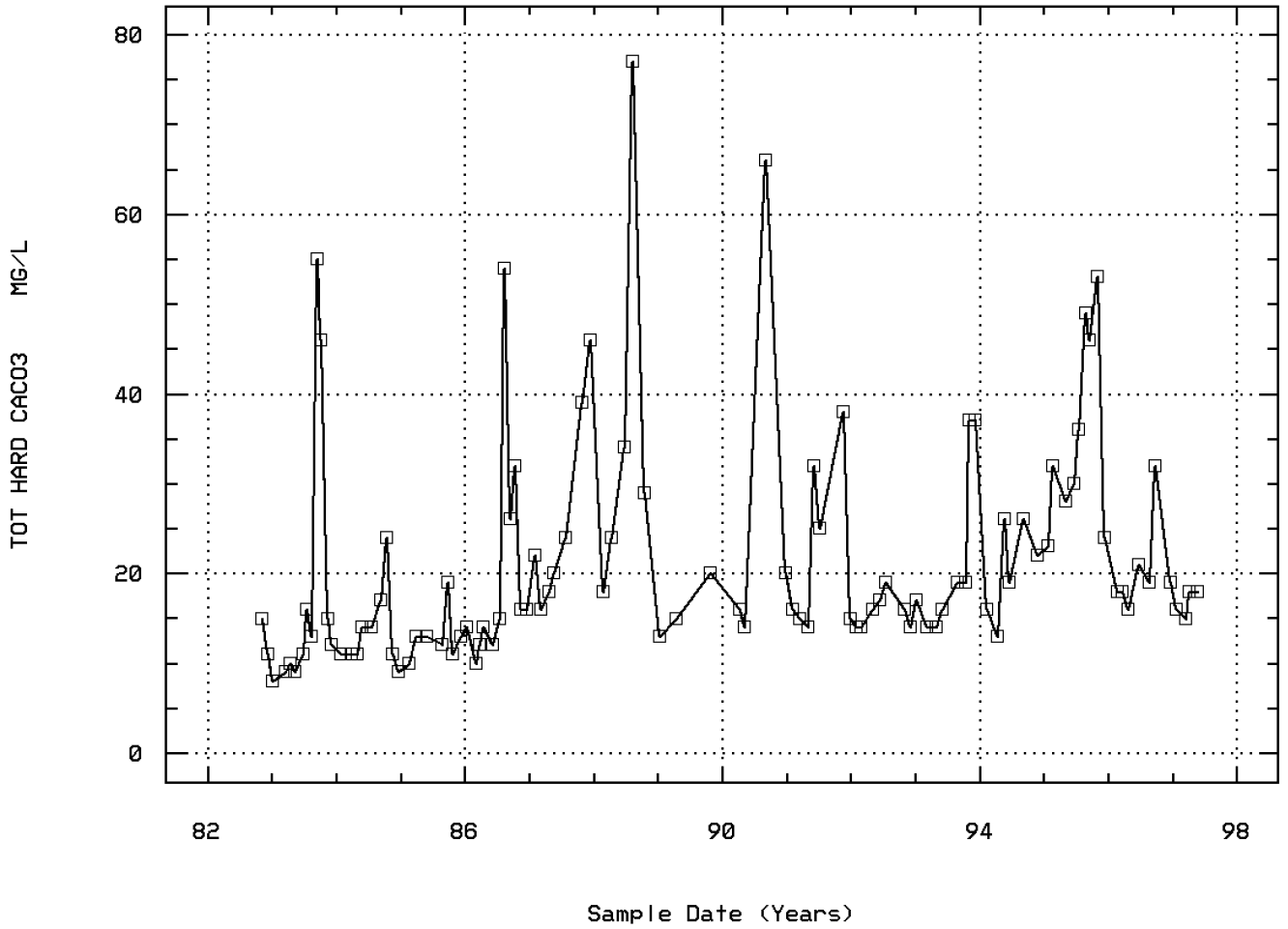
ALKALINITY, TOTAL (MG/L AS CACO3)



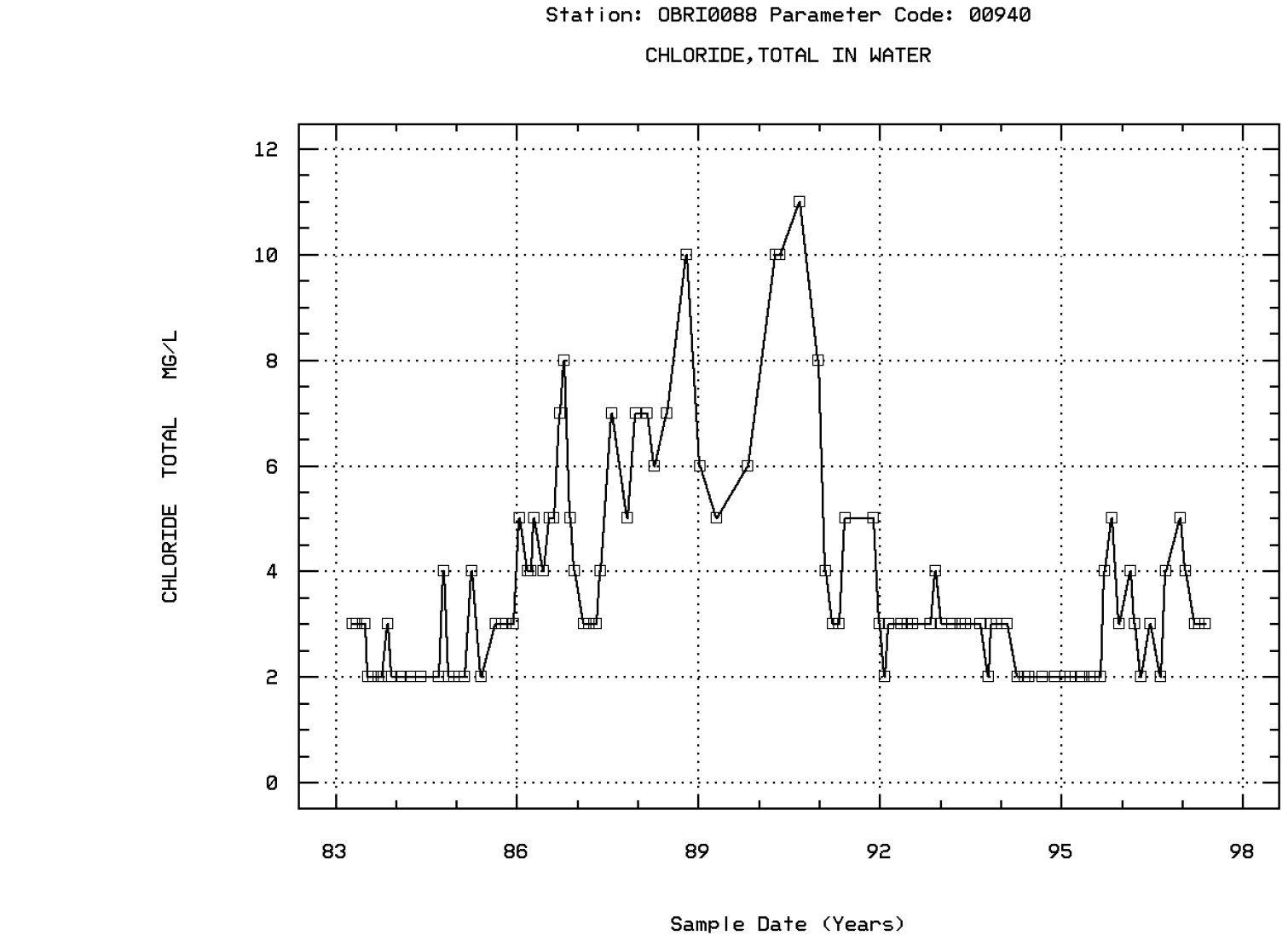
OTTER CREEK AT CATOOSA ROAD BRIDGE

Station: OBRI0088 Parameter Code: 00900

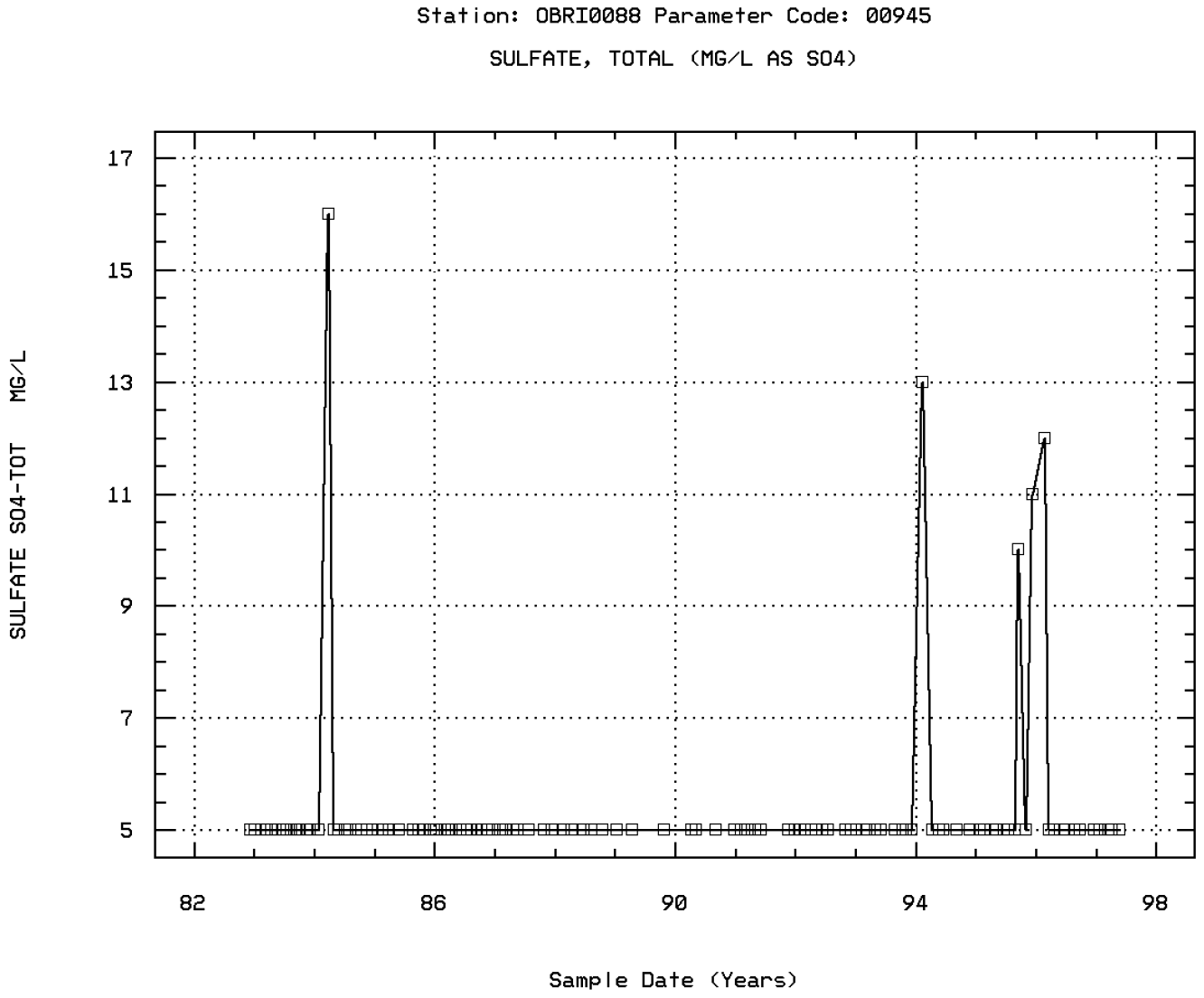
HARDNESS, TOTAL (MG/L AS CACO3)



OTTER CREEK AT CATOOSA ROAD BRIDGE



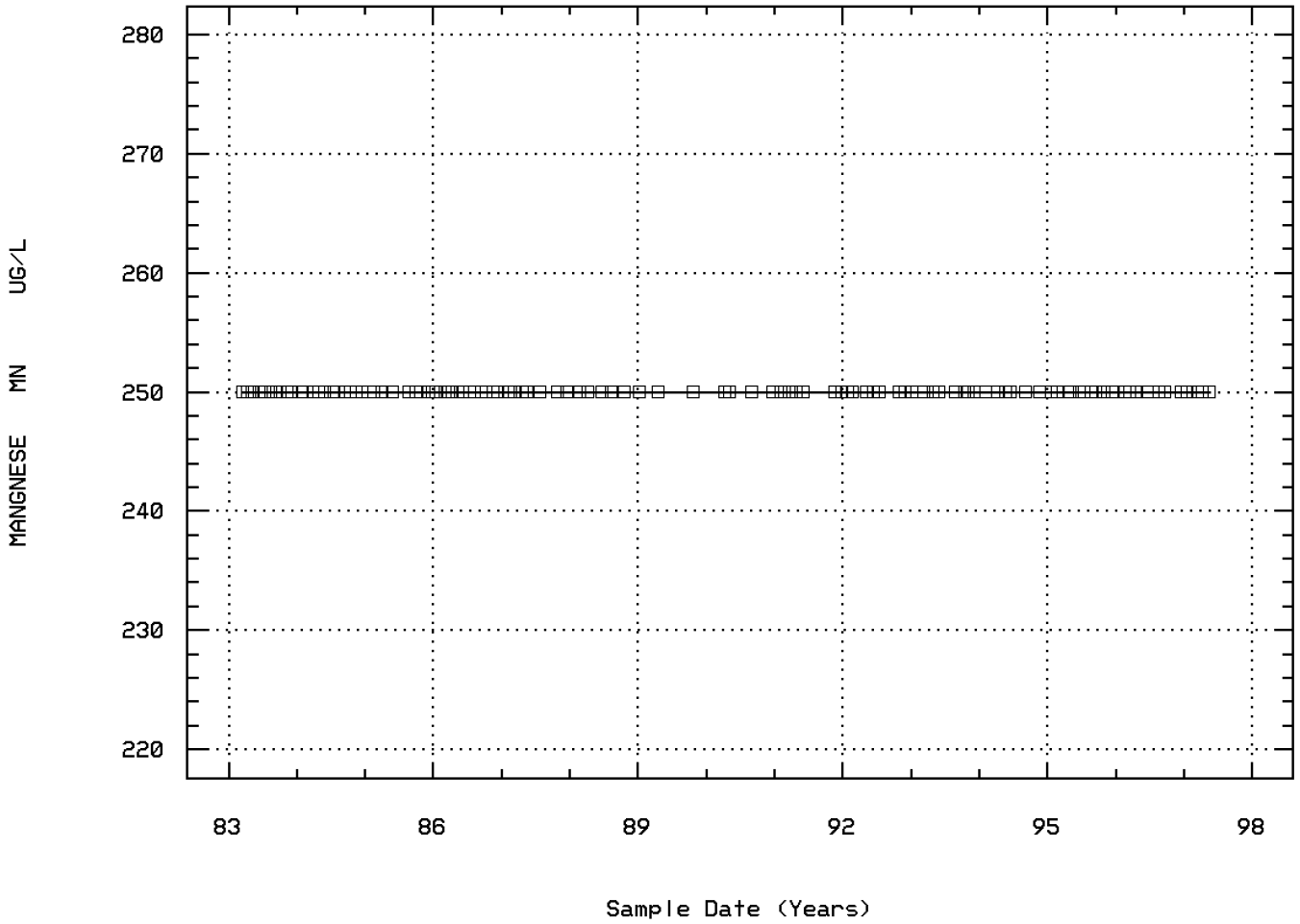
OTTER CREEK AT CATOOSA ROAD BRIDGE



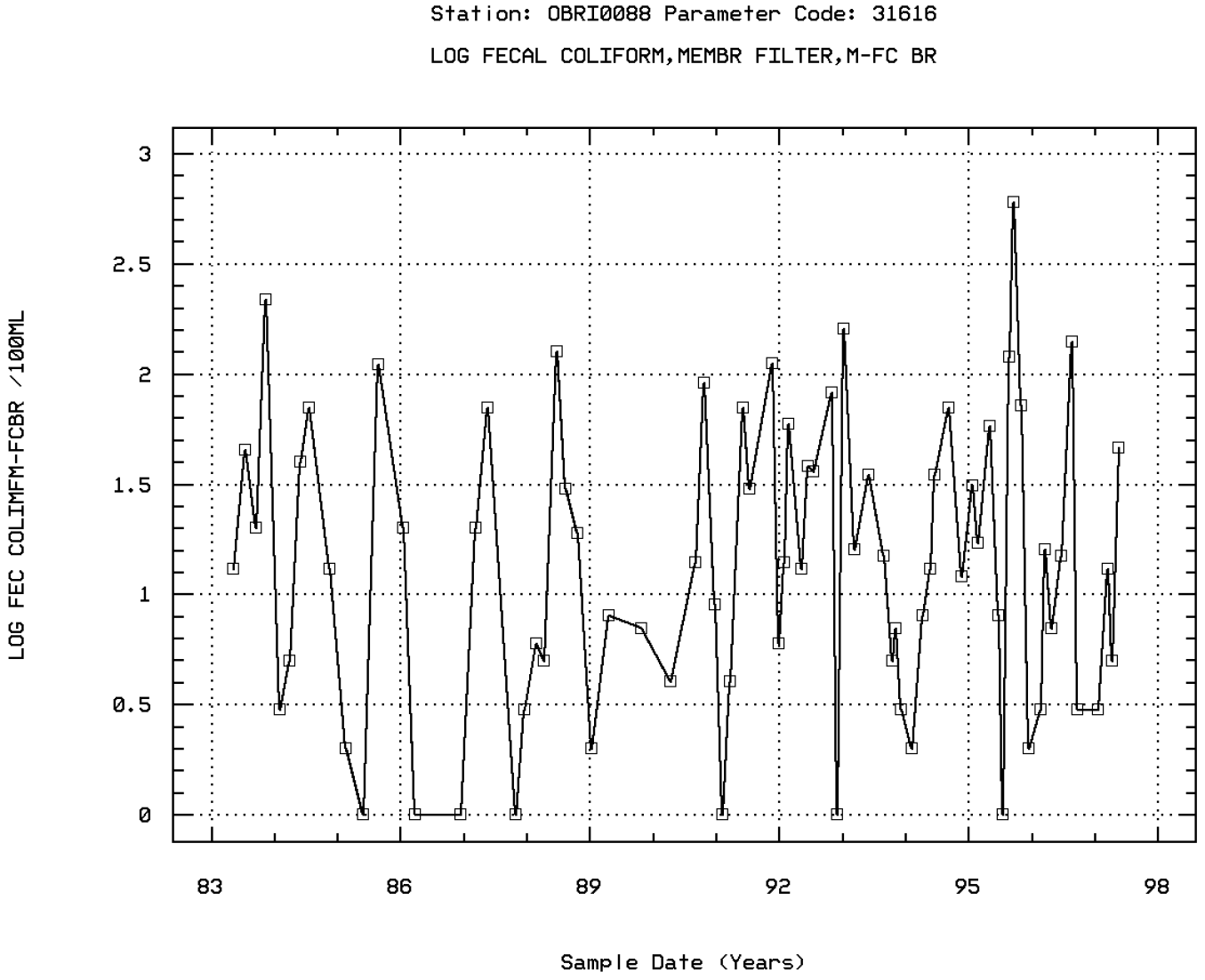
OTTER CREEK AT CATOOSA ROAD BRIDGE

Station: OBRI0088 Parameter Code: 01055

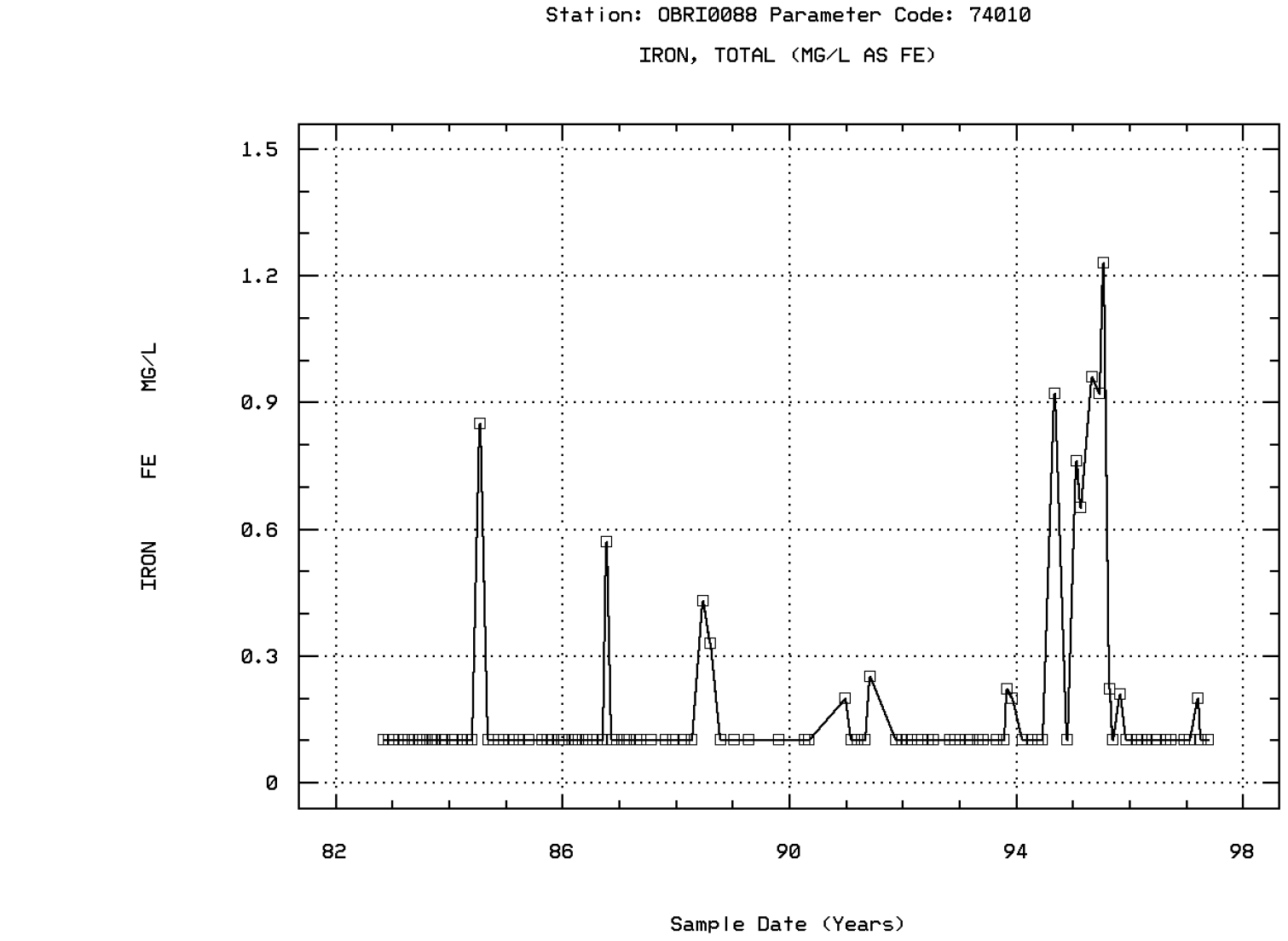
MANGANESE, TOTAL (UG/L AS MN)



OTTER CREEK AT CATOOSA ROAD BRIDGE



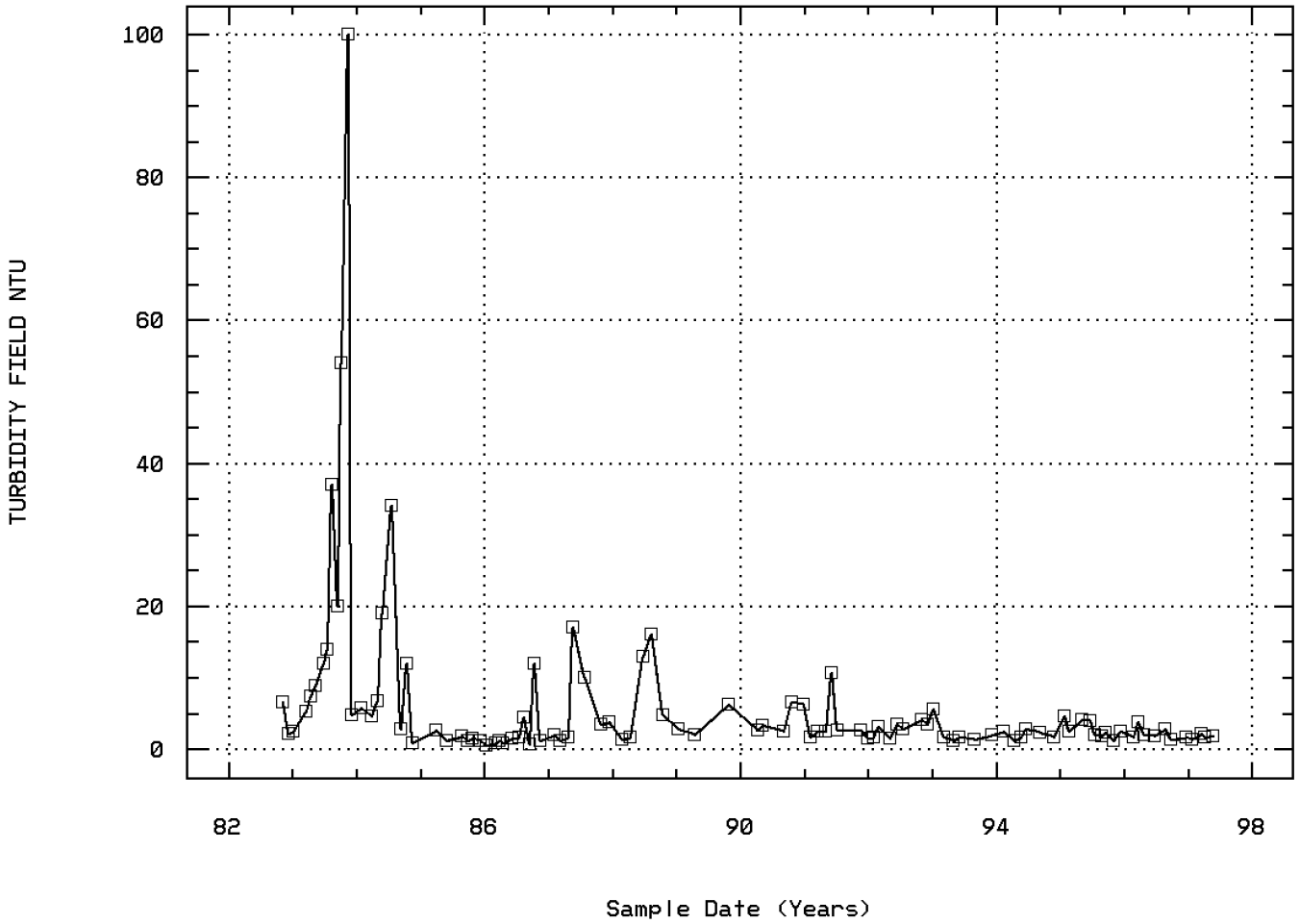
OTTER CREEK AT CATOOSA ROAD BRIDGE



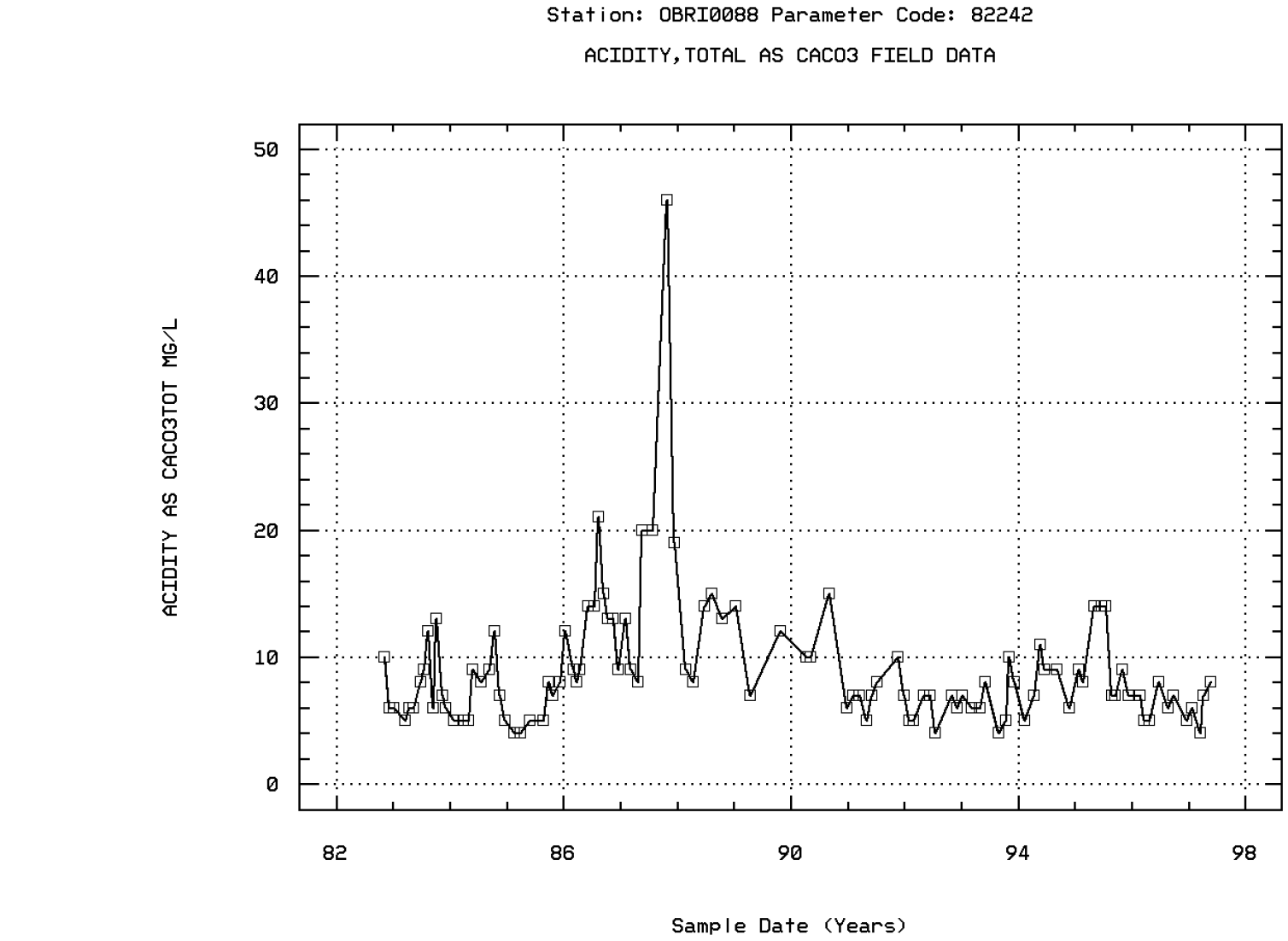
OTTER CREEK AT CATOOSA ROAD BRIDGE

Station: OBRI0088 Parameter Code: 82078

TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY



OTTER CREEK AT CATOOSA ROAD BRIDGE



OTTER CREEK AT CATOOSA ROAD BRIDGE

Annual Analysis for 1982 - Station OBRI0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	2	8.7	8.7	9.3	8.1	0.72	0.849	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	2	30.5	30.5	38.	23.	112.5	10.607	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	2	9.	9.	11.	7.	8.	2.828	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	2	13.	13.	15.	11.	8.	2.828	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	2	4.4	4.4	6.6	2.2	9.68	3.111	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	2	8.	8.	10.	6.	8.	2.828	**	**	**	**

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

Annual Analysis for 1983 - Station OBRI0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	11	12.9	13.973	22.3	5.2	40.536	6.367	5.44	7.	20.6	22.04
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	11	33.	45.818	125.	20.	1342.364	36.638	20.4	22.	47.	122.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	11	9.	15.364	47.	5.	231.455	15.214	5.2	6.	15.	46.4
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	11	12.	18.545	55.	8.	259.873	16.121	8.2	9.	16.	53.2
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	2.	2.444	3.	2.	0.278	0.527	2.	2.	3.	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	11 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	10 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	11 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	11	12.	24.164	100.	2.5	879.261	29.652	2.96	5.2	37.	90.8
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	11	6.	7.636	13.	5.	7.055	2.656	5.2	6.	9.	12.8

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

Annual Analysis for 1984 - Station OBRI0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	9	12.4	12.011	19.1	2.4	26.681	5.165	2.4	8.4	16.35	19.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	9	38.	39.	67.	27.	165.	12.845	27.	28.5	45.	67.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	7.	10.889	19.	6.	28.111	5.302	6.	7.	16.	19.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	11.	13.556	24.	9.	21.028	4.586	9.	11.	15.5	24.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	2.	2.	4.	1.	0.75	0.866	1.	1.5	2.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	9 ##	5.	6.222	16.	5.	13.444	3.667	5.	5.	5.	16.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	9 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	9 ##	0.1	0.183	0.85	0.1	0.062	0.25	0.1	0.1	0.1	0.85
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	9	5.7	9.622	34.	0.8	116.967	10.815	0.8	1.9	15.5	34.
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	9	7.	7.222	12.	5.	6.194	2.489	5.	5.	9.	12.

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

Annual Analysis for 1985 - Station OBRI0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	11.3	12.271	17.8	3.7	23.892	4.888	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	34.	35.857	50.	26.	57.476	7.581	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	8.	8.571	14.	5.	8.619	2.936	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	13.	13.	19.	10.	8.333	2.887	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	3.	2.857	4.	2.	0.476	0.69	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 OBRI0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	1.2	1.471	2.6	1.	0.326	0.571	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	5.	5.857	8.	4.	3.143	1.773	**	**	**	**

** - 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 1986 - Station OBRI0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	11	11.1	12.218	22.9	0.1	51.056	7.145	0.82	7.2	18.4	22.42
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	11	36.	58.091	144.	24.	1724.291	41.525	24.2	28.	80.	139.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	11	9.	14.818	52.	5.	196.964	14.034	5.2	6.	22.	46.6
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	11	15.	20.091	54.	10.	169.291	13.011	10.4	12.	26.	49.6
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	11	5.	5.091	8.	4.	1.691	1.3	4.	4.	5.	7.8
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	11 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	11 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	11 ##	0.1	0.143	0.57	0.1	0.02	0.142	0.1	0.1	0.1	0.476
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	11	1.1	2.345	12.	0.5	11.383	3.374	0.54	0.8	1.7	10.48
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	11	13.	12.455	21.	8.	14.073	3.751	8.2	9.	14.	19.8

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

Annual Analysis for 1987 - Station OBRI0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	8.	11.714	25.	2.9	70.395	8.39	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	47.	50.833	88.	22.	558.967	23.642	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	18.	17.714	35.	7.	101.238	10.062	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	22.	26.429	46.	16.	131.286	11.458	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	4.	4.571	7.	3.	3.286	1.813	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	3.5	5.557	17.	1.2	34.396	5.865	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	19.	19.286	46.	8.	164.571	12.829	**	**	**	**

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Annual Analysis for 1988 - Station OBRI0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	5	10.7	13.9	22.8	5.	59.69	7.726	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	5	65.	56.6	100.	22.	1005.3	31.706	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	5	22.	20.8	33.	9.	122.7	11.077	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	5	29.	36.4	77.	18.	550.3	23.458	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	4	7.	7.5	10.	6.	3.	1.732	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	5 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	5 ##	0.1	0.212	0.43	0.1	0.025	0.157	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	5	4.7	7.36	16.	1.4	45.273	6.729	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	5	13.	11.8	15.	8.	9.7	3.114	**	**	**	**

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Annual Analysis for 1989 - Station OBRI0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	3	8.2	7.967	9.	6.7	1.363	1.168	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	3	32.	31.667	38.	25.	42.333	6.506	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	3	17.	16.667	19.	14.	6.333	2.517	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	3	15.	16.	20.	13.	13.	3.606	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	3	6.	5.667	6.	5.	0.333	0.577	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	3 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	3	2.8	3.633	6.2	1.9	5.143	2.268	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	3	12.	11.	14.	7.	13.	3.606	**	**	**	**

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Annual Analysis for 1990 - Station OBRI0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	5	11.7	12.1	20.5	7.5	27.295	5.224	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	5	30.	56.	105.	25.	1630.	40.373	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	15.5	22.25	47.	11.	276.917	16.641	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	18.	29.	66.	14.	614.667	24.792	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	4	10.	9.75	11.	8.	1.583	1.258	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	4 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	3 ##	0.1	0.133	0.2	0.1	0.003	0.058	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	5	3.3	4.26	6.5	2.5	3.908	1.977	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	4	10.	10.25	15.	6.	13.583	3.686	**	**	**	**

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Annual Analysis for 1991 - Station OBRI0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	11.6	12.1	20.8	4.3	43.393	6.587	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	30.	40.	70.	20.	391.667	19.791	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	12.	18.286	34.	11.	89.238	9.447	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	16.	22.143	38.	14.	93.81	9.686	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	6	3.5	3.833	5.	3.	0.967	0.983	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	6 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	6 ##	0.1	0.125	0.25	0.1	0.004	0.061	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	2.5	3.4	10.6	1.5	10.297	3.209	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	7.	7.286	10.	5.	2.238	1.496	**	**	**	**

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Annual Analysis for 1992 - Station OBRI0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	11.3	11.814	21.4	5.2	37.948	6.16	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	30.	29.286	40.	20.	61.905	7.868	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	12.	13.286	16.	10.	5.571	2.36	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	16.	15.714	19.	14.	3.571	1.89	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	3.	3.	4.	2.	0.333	0.577	**	**	**	**

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Annual Analysis for 1992 - Station OBRI0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	3.1	2.886	4.1	1.5	0.935	0.967	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	6.	5.857	7.	4.	1.476	1.215	**	**	**	**

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Annual Analysis for 1993 - Station OBRI0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	8	10.05	10.1	18.1	4.3	23.963	4.895	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	8	45.	40.	55.	20.	221.429	14.88	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	8	15.	18.125	34.	9.	106.982	10.343	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	8	18.	21.625	37.	14.	93.696	9.68	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	8	3.	2.875	3.	2.	0.125	0.354	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	8 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	8 ##	0.1	0.128	0.22	0.1	0.003	0.051	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	8	1.5	1.925	5.6	1.	2.334	1.528	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	8	6.5	6.75	10.	4.	3.643	1.909	**	**	**	**

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Annual Analysis for 1994 - Station OBRI0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	6	12.9	12.683	16.2	6.3	13.654	3.695	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	45.	40.833	60.	20.	244.167	15.626	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	12.5	14.833	26.	9.	39.767	6.306	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	20.5	20.333	26.	13.	28.267	5.317	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	6	2.	2.167	3.	2.	0.167	0.408	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	6 ##	5.	6.333	13.	5.	10.667	3.266	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	6 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	6 ##	0.1	0.237	0.92	0.1	0.112	0.335	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	6	1.95	2.	2.8	1.2	0.388	0.623	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	6	8.	7.833	11.	5.	4.967	2.229	**	**	**	**

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

Annual Analysis for 1995 - Station OBRI0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	9	13.6	12.878	19.	6.1	29.717	5.451	6.1	6.6	18.1	19.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	9	60.	61.556	80.	50.	94.278	9.71	50.	52.5	67.5	80.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	27.	29.667	45.	20.	73.5	8.573	20.	22.5	37.5	45.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	32.	35.667	53.	23.	123.25	11.102	23.	26.	47.5	53.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	2.	2.667	5.	2.	1.25	1.118	2.	2.	3.5	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	9 ##	5.	6.222	11.	5.	5.944	2.438	5.	5.	7.5	11.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	9 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	9	0.65	0.572	1.23	0.1	0.181	0.425	0.1	0.155	0.94	1.23
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	9	2.4	2.744	4.6	1.1	1.393	1.18	1.1	1.9	4.	4.6
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	9	9.	9.889	14.	7.	10.111	3.18	7.	7.	14.	14.

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Annual Analysis for 1996 - Station OBRI0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	11.9	12.143	19.9	6.3	30.55	5.527	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	45.	49.143	63.	42.	91.81	9.582	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	14.	16.429	26.	14.	19.286	4.392	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	19.	20.429	32.	16.	28.286	5.318	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	3.	3.286	5.	2.	1.238	1.113	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7 ##	5.	6.	12.	5.	7.	2.646	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	7	1.8	2.157	3.8	1.4	0.726	0.852	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	6.	6.143	8.	5.	1.476	1.215	**	**	**	**

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

Annual Analysis for 1997 - Station OBRI0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	4	10.65	10.	14.8	3.9	23.74	4.872	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	4	40.5	40.5	42.	39.	1.667	1.291	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	13.5	13.25	16.	10.	7.583	2.754	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	17.	16.75	18.	15.	2.25	1.5	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	4	3.	3.25	4.	3.	0.25	0.5	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	4 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	4 ##	0.1	0.125	0.2	0.1	0.003	0.05	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	4	1.75	1.725	2.1	1.3	0.109	0.33	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	4	6.5	6.25	8.	4.	2.917	1.708	**	**	**	**

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station OBRI0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	24	18.7	18.875	25.	11.3	8.498	2.915	14.85	17.575	20.75	22.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	24	61.5	66.542	125.	34.	757.129	27.516	36.	44.	80.	114.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	23	7.9	7.957	10.9	3.8	1.747	1.322	6.82	7.5	8.5	9.72
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	19	7.	7.	7.8	6.3	0.212	0.461	6.4	6.6	7.5	7.6
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	19	7.	6.803	7.8	6.3	0.253	0.503	6.4	6.6	7.5	7.6
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	19	0.1	0.157	0.501	0.016	0.019	0.138	0.025	0.032	0.251	0.398
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	24	21.	24.958	52.	8.	169.955	13.037	12.	14.25	32.25	47.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	24	25.5	31.542	77.	12.	330.52	18.18	13.5	17.5	46.	60.5
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	22	3.	3.727	11.	1.	6.303	2.511	2.	2.	5.	7.7
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	23 ##	5.	5.217	10.	5.	1.087	1.043	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	23 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	16	33.	82.063	600.	0.	20946.863	144.73	2.1	14.25	100.	278.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	16	1.517	1.5	2.778	0.	0.451	0.671	0.334	1.154	1.992	2.336
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			31.619								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	09/19/83-05/19/97	15	470.	2499.	19600.	30.	30092493.571	5485.663	54.	195.	700.	14440.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	09/19/83-05/19/97	15	2.672	2.699	4.292	1.477	0.571	0.756	1.698	2.29	2.845	4.142
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			499.697								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	22 ##	0.1	0.26	1.23	0.1	0.107	0.326	0.1	0.1	0.248	0.899
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	24	2.7	9.642	54.	0.7	190.929	13.818	1.25	1.8	13.5	35.5
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	24	9.	10.375	21.	4.	22.505	4.744	4.5	7.	14.	17.5

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

Seasonal Analysis for Season #2: 10/15 to 3/14 - Station OBRI0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	47	7.	7.457	16.2	0.1	10.636	3.261	3.7	5.2	9.6	11.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	46	35.	42.652	144.	20.	558.899	23.641	20.	26.	51.25	67.9
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	46	11.05	10.889	12.9	7.6	1.522	1.234	9.19	10.1	11.725	12.7
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	43	7.	6.919	7.6	5.9	0.133	0.364	6.4	6.7	7.2	7.36
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	43	7.	6.749	7.6	5.9	0.162	0.403	6.4	6.7	7.2	7.36
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	43	0.1	0.178	1.259	0.025	0.045	0.213	0.044	0.063	0.2	0.398
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	46	12.	14.478	35.	5.	68.566	8.28	6.	8.5	18.25	29.1
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	46	16.	19.63	53.	8.	102.949	10.146	10.7	13.75	22.25	37.3
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	43	3.	3.814	10.	2.	3.25	1.803	2.	3.	5.	6.6
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	45 ##	5.	5.467	13.	5.	3.164	1.779	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	43 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	36	8.	28.556	217.	0.	2376.025	48.744	0.	3.	20.	97.3
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	36	0.9	0.965	2.336	0.	0.445	0.667	0.	0.477	1.301	1.986
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			9.218								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	09/19/83-05/19/97	34	22.5	1302.176	40000.	0.	46858948.271	6845.36	2.	6.75	113.25	755.5
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	09/19/83-05/19/97	34	1.349	1.489	4.602	0.	0.921	0.96	0.301	0.828	2.054	2.701
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			30.867								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	46 ##	0.1	0.136	0.76	0.1	0.016	0.127	0.1	0.1	0.1	0.203
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	47	2.	4.883	100.	0.5	205.863	14.348	1.	1.2	4.1	6.34
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	46	7.	8.957	46.	4.	40.443	6.359	5.	6.	10.	13.

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	37	12.9	13.435	22.8	7.5	16.273	4.034	8.16	10.9	16.1	20.02
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	37	35.	35.676	70.	20.	155.781	12.481	22.	25.	42.	53.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	35	10.1	9.691	11.2	5.2	1.244	1.115	8.36	9.2	10.4	10.8

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	37	6.9	6.846	7.6	5.8	0.139	0.373	6.28	6.6	7.1	7.2
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	37	6.9	6.659	7.6	5.8	0.175	0.419	6.28	6.6	7.1	7.2
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	37	0.126	0.22	1.585	0.025	0.081	0.285	0.063	0.079	0.251	0.527
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	37	11.	13.514	38.	5.	65.979	8.123	6.	8.5	16.	27.6
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	37	15.	16.919	34.	9.	39.188	6.26	10.8	13.	18.5	28.4
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	36	3.	3.556	10.	1.	4.025	2.006	2.	2.	4.	6.3
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	37 ##	5.	5.297	16.	5.	3.27	1.808	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	37 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	30	11.5	23.167	126.	0.	774.282	27.826	4.	6.5	35.75	68.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	30	1.057	1.106	2.1	0.	0.255	0.504	0.602	0.809	1.553	1.837
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12.763								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	09/19/83-05/19/97	27	70.	1342.481	33000.	0.	40044559.952	6328.077	1.6	10.	250.	354.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	09/19/83-05/19/97	27	1.845	1.748	4.519	0.	0.971	0.986	0.241	1.	2.398	2.549
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			56.013								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	37 ##	0.1	0.161	0.96	0.1	0.039	0.198	0.1	0.1	0.1	0.286
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	37	2.5	4.389	19.	0.9	20.442	4.521	1.2	1.6	4.9	12.2
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	37	7.	8.108	20.	4.	11.71	3.422	5.	5.5	9.	14.

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

Station Inventory for Station: OBRI0089

NPS Station ID: OBRI0089 | LAT/LON: 36.244726/ -84.871949 | Agency: 12NSS | Date Created: 10/22/88
Location: NO NAME | FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 2C066027U /2X02C066027U
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 05130104 | Depth of Water: 0 | Aquifer:
Major Basin: | Elevation: 489 | Water Body Id:
Minor Basin: | ECO Region:
RF1 Index: 05130104 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 06010208000109.53 | RF3 Mile Point: 9.53 | Distance from RF3: 0.48 | 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: OBRI0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/86-05/01/86	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	05/01/86-05/01/86	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/01/86-05/01/86	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/01/86-05/01/86	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/01/86-05/01/86	1	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/01/86-05/01/86	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/01/86-05/01/86	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/86-05/01/86	1	15.849	15.849	15.849	15.849	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	05/01/86-05/01/86	1	-9.9	-9.9	-9.9	-9.9	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	05/01/86-05/01/86	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/01/86-05/01/86	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	05/01/86-05/01/86	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	05/01/86-05/01/86	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/01/86-05/01/86	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/01/86-05/01/86	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/01/86-05/01/86	1	0.43	0.43	0.43	0.43	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/01/86-05/01/86	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	05/01/86-05/01/86	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	05/01/86-05/01/86	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**

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

Parameter Inventory for Station: OBRI0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/01/86-05/01/86	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/01/86-05/01/86	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/01/86-05/01/86	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/01/86-05/01/86	1	126.	126.	126.	126.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	05/01/86-05/01/86	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	05/01/86-05/01/86	1	24.98	24.98	24.98	24.98	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	05/01/86-05/01/86	1	1605.	1605.	1605.	1605.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/01/86-05/01/86	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
83509	STREAM, WIDTH METER	05/01/86-05/01/86	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: OBRI0089

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	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			
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00							1	1	1.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
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: OBRI0090

NPS Station ID: OBRI0090
LAT/LON: 36.137448/ -84.872060
Agency: 11NPSWRD
Date Created: 07/04/98
Location: CLEAR CREEK AT NORRIS FORD
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_NPS_C1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TWIN BRIDGES TN-CUMBERLAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS INSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT CLEAR CREEK NEAR NORRIS FORD AT STREAM MILE 14.8. DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSEE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NPS WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/79-09/30/80	5	13.	12.4	21.	5.	42.8	6.542	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	11/16/79-09/30/80	5	15.	12.6	18.	0.	53.3	7.301	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/16/79-09/30/80	5	28.	31.2	53.	16.	208.7	14.446	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/16/79-09/30/80	4	10.5	10.725	14.4	7.5	10.409	3.226	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/16/79-09/30/80	5	6.3	6.22	6.7	5.8	0.167	0.409	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/16/79-09/30/80	5	6.3	6.077	6.7	5.8	0.193	0.439	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/16/79-09/30/80	5	0.501	0.837	1.585	0.2	0.477	0.691	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	5	9.	12.	22.	7.	42.	6.481	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/03/80-09/30/80	3	1.	11.333	33.	0.	352.333	18.771	**	**	**	**
00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	11/16/79-09/30/80	5	0.04	0.048	0.1	0.025	0.001	0.031	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/79-06/21/80	4 ##	0.075	0.475	1.7	0.05	0.668	0.817	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/16/79-09/30/80	5	0.03	0.041	0.1	0.01	0.001	0.035	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/80-06/08/80	1 ##	0.375	0.375	0.375	0.375	0.	0.	**	**	**	**
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	02/29/80-09/30/80	3 ##	0.025	0.027	0.03	0.025	0.	0.003	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	5	15.	15.4	20.	12.	8.8	2.966	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/08/80-06/08/80	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/08/80-06/08/80	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	06/08/80-06/08/80	1	1.87	1.87	1.87	1.87	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	06/08/80-06/08/80	1	2.17	2.17	2.17	2.17	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/16/79-09/30/80	5	4.	5.	8.	2.	8.	2.828	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	06/08/80-06/08/80	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/80-06/08/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

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Parameter Inventory for Station: OBRI0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/16/79-09/30/80	6 ##	5.5	54.667	300.	1.	14479.467	120.331	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	06/08/80-06/08/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/16/79-09/30/80	6 ##	2.5	7.917	35.	2.5	176.042	13.268	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/16/79-09/30/80	6	120.	270.	980.	80.	123480.	351.397	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	02/29/80-09/30/80	5 ##	5.	354.	1750.	5.	609005.	780.388	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/16/79-06/08/80	2	40.	40.	60.	20.	800.	28.284	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/08/80-06/08/80	1 ##	30.	30.	30.	30.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/16/79-09/30/80	6 ##	10.	48.5	250.	0.5	9797.4	98.982	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/16/79-09/30/80	6	130.	483.333	1850.	40.	511186.667	714.973	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	11/16/79-09/30/80	4	2.15	2.503	5.7	0.01	8.363	2.892	**	**	**	**
31611	FECAL COLIFORM, MF, M-TEC #/100ML	11/16/79-11/16/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31611	LOG FECAL COLIFORM, MF, M-TEC #/1	11/16/79-11/16/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31611	GM FECAL COLIFORM, MF, M-TEC #/10	GEOMETRIC MEAN =			1.								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/16/79-09/30/80	4	1.	2.	6.	0.	8.	2.828	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/16/79-09/30/80	4	0.151	0.27	0.778	0.	0.135	0.367	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			1.861								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/03/80-06/21/80	2	5.	5.	5.	5.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/03/80-06/21/80	2	0.699	0.699	0.699	0.699	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			5.								
38745	2,4-DB WATER, TOTUG/L	06/08/80-06/08/80	1 ##	1.95	1.95	1.95	1.95	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39755	MIREX, TOTAL (UG/L)	06/08/80-06/08/80	1 ##	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	11/16/79-09/30/80	5 ##	0.05	0.08	0.2	0.05	0.005	0.067	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11/16/79-11/16/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/03/80-09/30/80	3 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/28/79-09/30/80	6	2.	1.917	3.	0.5	1.042	1.021	**	**	**	**
82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	02/29/80-06/21/80	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0090

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/14---------- Obs	Exceed	Prop.	----------10/15-3/14---------- Obs	Exceed	Prop.	----------3/15-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	4	0.80	1	0	0.00	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

EPA Water Quality Criteria Analysis for Station: OBRI0090

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	6	1	0.17	1	0	0.00	2	1	0.50	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5 &	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	1300.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	4 &	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	15.	4 &	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	5 &	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	5000.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00							1	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00							1	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00							1	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00							1	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00							1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00							1	0	0.00			
		Drinking Water	3.	1	0	0.00							1	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.4	1	0	0.00							1	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00							1	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	1	0	0.00							1	0	0.00			
39720	PICLORAM IN WHOLE WATER SAMPLE	Drinking Water	500.	1	0	0.00							1	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00							1	0	0.00			
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00				1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	2.	3	0	0.00	1	0	0.00				2	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	6	0	0.00	1	0	0.00	3	0	0.00	2	0	0.00			

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

Station Inventory for Station: OBRI0091

NPS Station ID: OBRI0091 LAT/LON: 36.136949/ -84.872782 Agency: 112WRD Date Created: 07/19/97
Location: CLEAR CREEK AT NORRIS FORD NEAR JONES KNOB FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 03539717
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0091

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/96-07/23/96	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/23/96-07/23/96	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	07/23/96-07/23/96	1	719.	719.	719.	719.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/96-07/23/96	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/23/96-07/23/96	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/23/96-07/23/96	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/23/96-07/23/96	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/96-07/23/96	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/23/96-07/23/96	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/23/96-07/23/96	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/96-07/23/96	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	07/23/96-07/23/96	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/23/96-07/23/96	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/23/96-07/23/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/23/96-07/23/96	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/23/96-07/23/96	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/23/96-07/23/96	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/23/96-07/23/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/23/96-07/23/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	07/23/96-07/23/96	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	07/23/96-07/23/96	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/96-07/23/96	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/96-07/23/96	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/96-07/23/96	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/23/96-07/23/96	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/23/96-07/23/96	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/23/96-07/23/96	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/23/96-07/23/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/23/96-07/23/96	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/23/96-07/23/96	1	330.	330.	330.	330.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/23/96-07/23/96	1	170.	170.	170.	170.	0.	0.	**	**	**	**
04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	07/23/96-07/23/96	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/96-07/23/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/96-07/23/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/96-07/23/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/96-07/23/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/96-07/23/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/23/96-07/23/96	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: OBRI0091

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/23/96-07/23/96	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	07/23/96-07/23/96	1	0.602	0.602	0.602	0.602	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			4.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/23/96-07/23/96	1	183.	183.	183.	183.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/23/96-07/23/96	1	2.262	2.262	2.262	2.262	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			183.								
34253	A-BHC-ALPHA DISSUG/L	07/23/96-07/23/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
34653	P,P'-DDE DISSUG/L	07/23/96-07/23/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/23/96-07/23/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38478	LINURON WATER,DISSUG/L	07/23/96-07/23/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
38482	MCPA WATER,DISSUG/L	07/23/96-07/23/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38487	MCPB WATER,DISSUG/L	07/23/96-07/23/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38501	METHIOCARB WATER,DISSUG/L	07/23/96-07/23/96	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
38538	PROPOXUR WATER,DISSUG/L	07/23/96-07/23/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38711	BENTAZON WATER, DISUG/L	07/23/96-07/23/96	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
38746	2,4-DB WATER, DISUG/L	07/23/96-07/23/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38811	FLUOMETURON WATER, DISUG/L	07/23/96-07/23/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38866	OXAMYL WATER, DISUG/L	07/23/96-07/23/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
38933	CHLORPYRIFOS,DISSOLVED UG/L	07/23/96-07/23/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	07/23/96-07/23/96	1	8.	8.	8.	8.	0.	0.	**	**	**	**
39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	07/23/96-07/23/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/96-07/23/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39415	METOLACHLOR, WATER, DISSOLVED UG/L	07/23/96-07/23/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/96-07/23/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/96-07/23/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/96-07/23/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39632	ATRAZINE DISSOLVED IN WATER PPB	07/23/96-07/23/96	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/96-07/23/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/96-07/23/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/23/96-07/23/96	1 ##	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**
46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	07/23/96-07/23/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
49235	TRICLOPYR,RECOVERABLE,WATER,FILTER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49236	PROPHAM, RECOVERABLE,WATER,FILTER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49260	ACETOCHLOR, RECOVERABLE, WATER, FILTERED UG/L	07/23/96-07/23/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
49291	PICLORAM,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49292	ORYZALIN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
49293	NORFLURAZON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
49294	NEBURON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
49295	NAPTHOL,1-,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
49296	METHOMYL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
49297	FENURON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
49298	ESFENVALERATE,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
49299	CRESOL,O-,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49300	DIURON, RECV,FILTERED, WATER, GF, 0.7U UG/L	07/23/96-07/23/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
49301	DINOSEB, RECV, FILTERED, WATER, GF, 0.7U UG/L	07/23/96-07/23/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49302	DICHLORPROP,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
49303	DICHLOBENIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
49304	DACTHAL, RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
49305	CLOPYRALID,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49306	CHLOROTHALONIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49307	AMIBEN, RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
49308	HYDROXYCARBOFURAN,3-,RECV,FILT,WATER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
49309	CARBOFURAN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.014	0.014	0.014	0.014	0.	0.	**	**	**	**
49310	CARBARYL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
49311	BROMOXYNIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49312	ALDICARB, RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
49313	ALDICARB SULFONE,RECV,FILTERED,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
49314	ALDICARB SULFOXIDE,RECV,FILTERED,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**
49315	ACIFLUORFEN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/23/96-07/23/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/96-07/23/96	1	30.	30.	30.	30.	0.	0.	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	07/23/96-07/23/96	1	36.	36.	36.	36.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/23/96-07/23/96	1	9.	9.	9.	9.	0.	0.	**	**	**	**
82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	07/23/96-07/23/96	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: OBRI0091

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	07/23/96-07/23/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	07/23/96-07/23/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/23/96-07/23/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0091

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVE	Drinking Water	4.	1	0	0.00	1	0	0.00									
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
34653	P,P'-DDE, DISSOLVED	Fresh Acute	1050.	1	0	0.00	1	0	0.00									
38866	OXAMYL, DISSOLVED	Drinking Water	200.	1	0	0.00	1	0	0.00									
38933	CHLORPYRIFOS, DISSOLVED	Fresh Acute	0.083	1	0	0.00	1	0	0.00									
39341	GAMMA-BHC(LINDANE), DISSOLVED	Fresh Acute	2.	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	2.5	1	0	0.00	1	0	0.00									
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	0.065	1	0	0.00	1	0	0.00									
39632	ATRAZINE DISSOLVED IN WATER	Drinking Water	3.	1	0	0.00	1	0	0.00									
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE	Drinking Water	70.	1	0	0.00	1	0	0.00									
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE	Drinking Water	50.	1	0	0.00	1	0	0.00									
46342	ALACHLOR (LASSO), WATER, DISSOLVED	Drinking Water	2.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: OBRI0092

NPS Station ID: OBRI0092
LAT/LON: 36.137115/ -84.873087
Agency: 11NPSWRD
Date Created: 05/09/98
Location: CLEAR CREEK AT NORRIS FORD
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_NPS_CC-3
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: TENNESSEE RIVER MAIN STEM AND MINOR TRIB
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TWIN BRIDGES TN-CUMBERLAND CO 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS ON A STREAM INSIDE THE BOUNDARY OF THE OBED WILD AND SCENIC RIVER. THE SITE IS ON CLEAR CREEK AT NORRIS FORD. THE SITE IS SAMPLED FOR PH; CONDUCTIVITY; METALS; AND COLIFORMS. THE SAMPLING WAS BEGUN TO ENSURE THAT THE WILD AND SCENIC RIVER WAS PROTECTED AND PRESERVED AS MANDATED IN THE EARLY 1980'S. THE SAMPLING WAS DONE BY PARK PERSONNEL. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES; OBED WILD AND SCENIC RIVER; P.O. BOX 429; WARTBURG TN 37887-0429 (TEL. 423-346-6294). DATA WERE 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: OBRI0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/07/82-04/12/90	49	12.7	13.494	27.9	0.3	48.827	6.988	3.9	8.85	18.75	25.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/07/82-04/12/90	48	51.5	53.5	122.	30.	251.064	15.845	37.8	44.	60.75	70.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/07/82-04/12/90	46	9.85	9.7	13.3	6.1	3.3	1.816	7.25	8.25	10.9	12.36
00406	PH, FIELD, STANDARD UNITS SU	12/07/82-10/24/89	43	6.7	6.73	7.4	5.4	0.103	0.32	6.44	6.5	6.9	7.12
00406	CONVERTED PH, FIELD, STANDARD UNITS	12/07/82-10/24/89	43	6.7	6.542	7.4	5.4	0.139	0.373	6.44	6.5	6.9	7.12
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/07/82-10/24/89	43	0.2	0.287	3.981	0.04	0.342	0.585	0.078	0.126	0.316	0.365
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/07/82-04/12/90	48	9.	9.438	40.	0.	31.528	5.615	5.	6.	12.	13.1
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/07/82-04/12/90	48	17.5	18.875	52.	0.	67.771	8.232	12.9	15.	20.	26.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-04/12/90	45	6.	6.133	13.	0.	6.982	2.642	3.	4.5	7.	10.4
00945	SULFATE, TOTAL (MG/L AS SO4)	12/07/82-04/12/90	48 ##	5.	5.375	15.	0.	4.41	2.1	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-04/12/90	46 ##	250.	244.565	250.	0.	1358.696	36.86	250.	250.	250.	250.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/10/83-04/11/88	22	42.5	211.682	1250.	0.	127690.608	357.338	5.	18.	213.5	919.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	05/10/83-04/11/88	22	1.622	1.702	3.097	0.	0.671	0.819	0.699	1.246	2.329	2.959
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			50.344								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-04/12/90	25	10.	116.	1000.	0.	63047.417	251.092	2.	5.	50.	596.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-04/12/90	25	1.	1.245	3.	0.	0.686	0.828	0.301	0.69	1.699	2.776
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			17.576								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-04/12/90	23	75.	5786.261	68000.	0.	226292027.838	15043.006	3.	12.	1380.	22320.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-04/12/90	23	1.875	2.153	4.833	0.	2.055	1.434	0.477	1.079	3.14	4.344
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			142.38								
74010	IRON, TOTAL (MG/L AS FE)	12/07/82-04/12/90	48 ##	0.1	0.098	0.1	0.	0.	0.014	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	12/07/82-04/12/90	48	1.5	5.3	140.	0.	404.369	20.109	0.8	1.1	2.275	7.35
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	12/07/82-04/12/90	48	9.	9.104	20.	0.	16.18	4.022	5.	6.	10.75	14.

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

EPA Water Quality Criteria Analysis for Station: OBRI0092

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	46	0	0.00	12	0	0.00	19	0	0.00	15	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	43	0	0.00	9	0	0.00	18	0	0.00	16	0	0.00			
		Other-Lo Lim.	6.5	43	11	0.26	9	3	0.33	18	5	0.28	16	3	0.19			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	45	0	0.00	13	0	0.00	17	0	0.00	15	0	0.00			
		Drinking Water	250.	45	0	0.00	13	0	0.00	17	0	0.00	15	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	48	0	0.00	13	0	0.00	19	0	0.00	16	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	22	2	0.09	7	1	0.14	9	0	0.00	6	1	0.17			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	25	4	0.16	4	1	0.25	11	1	0.09	10	2	0.20			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	48	1	0.02	13	0	0.00	19	0	0.00	16	1	0.06			

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station OBRI0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/07/82-04/12/90	13	20.4	20.938	27.	14.8	18.896	4.347	14.96	17.1	25.3	26.88
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/07/82-04/12/90	13	62.	61.769	85.	32.	156.526	12.511	39.2	57.	68.	81.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/07/82-04/12/90	12	8.05	7.908	8.9	6.1	0.712	0.844	6.31	7.5	8.675	8.9
00406	PH, FIELD, STANDARD UNITS SU	12/07/82-10/24/89	9	6.7	6.711	7.3	6.4	0.071	0.267	6.4	6.5	6.8	7.3
00406	CONVERTED PH, FIELD, STANDARD UNITS	12/07/82-10/24/89	9	6.7	6.652	7.3	6.4	0.075	0.274	6.4	6.5	6.8	7.3
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/07/82-10/24/89	9	0.2	0.223	0.398	0.05	0.011	0.107	0.05	0.158	0.316	0.398
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/07/82-04/12/90	13	12.	11.462	14.	8.	2.603	1.613	8.4	11.	12.5	13.6
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/07/82-04/12/90	13	20.	20.615	26.	15.	12.09	3.477	15.4	18.	23.5	26.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-04/12/90	13	5.	5.615	11.	3.	5.09	2.256	3.	4.	7.	9.8
00945	SULFATE, TOTAL (MG/L AS SO4)	12/07/82-04/12/90	13 ##	5.	6.154	15.	5.	8.974	2.996	5.	5.	5.	13.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-04/12/90	13 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-04/12/90	4	15.	95.	340.	10.	26700.	163.401	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-04/12/90	4	1.151	1.458	2.531	1.	0.532	0.73	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			28.716								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-04/12/90	5	7200.	8956.	24800.	1000.	94223680.	9706.888	**	**	**	**
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-04/12/90	5	3.857	3.682	4.394	3.	0.352	0.594	**	**	**	**
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			4805.508								
74010	IRON, TOTAL (MG/L AS FE)	12/07/82-04/12/90	13 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	12/07/82-04/12/90	13	1.5	2.777	8.7	1.	6.435	2.537	1.	1.3	3.65	8.1
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	12/07/82-04/12/90	13	10.	10.	14.	6.	8.	2.828	6.	7.5	13.	13.6

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

Seasonal Analysis for Season #2: 10/15 to 3/14 - Station OBRI0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/07/82-04/12/90	19	7.4	7.758	17.	0.3	20.284	4.504	2.7	3.9	11.	16.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/07/82-04/12/90	18	48.	53.722	122.	30.	423.154	20.571	39.	42.	58.	84.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/07/82-04/12/90	19	11.2	10.811	13.3	6.9	3.319	1.822	7.4	9.9	12.3	13.1
00406	PH, FIELD, STANDARD UNITS SU	12/07/82-10/24/89	18	6.7	6.711	7.4	5.4	0.178	0.421	6.3	6.5	7.	7.22
00406	CONVERTED PH, FIELD, STANDARD UNITS	12/07/82-10/24/89	18	6.7	6.395	7.4	5.4	0.283	0.532	6.3	6.5	7.	7.22
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/07/82-10/24/89	18	0.2	0.402	3.981	0.04	0.808	0.899	0.061	0.1	0.316	0.756
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/07/82-04/12/90	19	7.	9.211	40.	0.	67.62	8.223	3.	5.	11.	14.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/07/82-04/12/90	19	16.	19.632	52.	0.	150.69	12.276	11.	14.	20.	51.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-04/12/90	17	7.	6.647	13.	0.	8.243	2.871	3.2	5.	8.	11.4
00945	SULFATE, TOTAL (MG/L AS SO4)	12/07/82-04/12/90	19 ##	5.	4.737	5.	0.	1.316	1.147	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-04/12/90	17 ##	250.	235.294	250.	0.	3676.471	60.634	200.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-04/12/90	11	7.	64.182	607.	0.	32607.764	180.576	0.4	2.	13.	495.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-04/12/90	11	0.845	0.892	2.783	0.	0.632	0.795	0.06	0.301	1.114	2.566
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.807								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-04/12/90	9	13.	7572.444	68000.	3.	513491203.278	22660.344	3.	4.5	50.5	68000.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-04/12/90	9	1.114	1.471	4.833	0.477	1.774	1.332	0.477	0.651	1.645	4.833
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			29.587								
74010	IRON, TOTAL (MG/L AS FE)	12/07/82-04/12/90	19 ##	0.1	0.095	0.1	0.	0.001	0.023	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	12/07/82-04/12/90	19	1.2	1.342	2.6	0.	0.454	0.674	0.7	0.8	1.8	2.6
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	12/07/82-04/12/90	19	9.	8.526	20.	0.	17.93	4.234	5.	5.	10.	14.

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/07/82-04/12/90	17	13.	14.212	27.9	9.	24.842	4.984	9.32	10.3	17.3	21.58
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/07/82-04/12/90	17	46.	46.941	64.	30.	69.184	8.318	34.8	42.5	53.5	57.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/07/82-04/12/90	15	10.	9.727	11.4	6.9	1.354	1.163	7.86	8.6	10.6	10.98

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00406	PH, FIELD, STANDARD UNITS SU	12/07/82-10/24/89	16	6.75	6.763	7.2	6.4	0.047	0.216	6.47	6.6	6.9	7.06
00406	CONVERTED PH, FIELD, STANDARD UNITS	12/07/82-10/24/89	16	6.747	6.714	7.2	6.4	0.049	0.221	6.47	6.6	6.9	7.06
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/07/82-10/24/89	16	0.179	0.193	0.398	0.063	0.009	0.093	0.089	0.126	0.251	0.341
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/07/82-04/12/90	16	7.	8.063	17.	5.	9.929	3.151	5.	6.	9.	13.5
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/07/82-04/12/90	16	16.5	16.563	26.	12.	12.796	3.577	12.	13.25	18.	21.8
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-04/12/90	15	5.	6.	13.	3.	7.571	2.752	3.	4.	7.	11.2
00945	SULFATE, TOTAL (MG/L AS SO4)	12/07/82-04/12/90	16 ##	5.	5.5	13.	5.	4.	2.	5.	5.	5.	7.4
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-04/12/90	16 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-04/12/90	10	22.	181.4	1000.	4.	114765.378	338.77	4.2	9.	222.5	959.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-04/12/90	10	1.312	1.547	3.	0.602	0.676	0.822	0.62	0.945	2.193	2.977
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			35.264								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-04/12/90	9	280.	2239.111	18600.	0.	37676190.861	6138.093	0.	9.5	435.	18600.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-04/12/90	9	2.447	1.987	4.27	0.	1.687	1.299	0.	0.841	2.638	4.27
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			96.993								
74010	IRON, TOTAL (MG/L AS FE)	12/07/82-04/12/90	16 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	12/07/82-04/12/90	16	1.8	12.05	140.	0.9	1187.371	34.458	0.97	1.2	2.7	54.6
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	12/07/82-04/12/90	16	8.	9.063	20.	4.	21.663	4.654	4.7	5.25	10.5	18.6

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

Station Inventory for Station: OBRI0093

NPS Station ID: OBRI0093
LAT/LON: 35.927309/ -84.876560
Agency: 11NPSWRD
Date Created: 06/13/98
Location: DADDYS CREEK AT CENTER BRIDGE
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_TTU_DC
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE DORTON TN-CUMBERLAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE OF THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES AT STREAM MILE 17.5 OF DADDYS CREEK NEAR CENTER BRIDGE. DATA WERE COLLECTED AND ANALYZED AT THIS SITE FROM 1973 THROUGH 1974 BY JOHN RIDDLE; A GRADUATE STUDENT AT TENNESSEE TECHNOLOGICAL UNIVERSITY; USING A HACH KIT (DR-EL/2; MODEL NUMBER 2506-05). TEMPERATURE; DISSOLVED OXYGEN; AND PH WERE MEASURED IN THE FIELD; ALL OTHER MEASUREMENTS WERE TAKEN IMMEDIATELY UPON RETURN FROM THE FIELD. DATA WERE SUMMARIZED IN A FINAL REPORT TITLED "CUMBERLAND PLATEAU MUSKELLUNGE INVESTIGATION." FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/07/73-11/07/74	12	59.	58.75	76.	44.	119.477	10.931	44.	48.	67.5	75.7
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/07/73-11/07/74	12	6.5	10.5	25.	0.	74.091	8.608	1.2	5.	18.	25.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/07/73-11/07/74	12	22.	21.167	28.	13.	22.333	4.726	13.6	16.75	25.	27.1
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/07/73-11/07/74	12	11.	11.417	14.	9.	3.356	1.832	9.3	10.	13.75	14.
00406	PH, FIELD, STANDARD UNITS SU	12/07/73-11/07/74	12	6.695	6.721	6.88	6.58	0.011	0.105	6.586	6.62	6.823	6.874
00406	CONVERTED PH, FIELD, STANDARD UNITS	12/07/73-11/07/74	12	6.695	6.709	6.88	6.58	0.011	0.106	6.586	6.62	6.822	6.874
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/07/73-11/07/74	12	0.202	0.195	0.263	0.132	0.002	0.046	0.134	0.151	0.24	0.259
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	12/07/73-11/07/74	12	20.	20.833	30.	10.	31.061	5.573	11.5	20.	23.75	30.
00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	12	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	12	20.	21.667	30.	15.	28.788	5.365	15.	16.25	25.	30.
47002	ACIDITY, FREE (METHYL RED) (MG/L AS CACO3)	12/07/73-11/07/74	12 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

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

EPA Water Quality Criteria Analysis for Station: OBRI0093

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			

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

Station Inventory for Station: OBRI0094

NPS Station ID: OBRI0094
LAT/LON: 36.075809/ -84.897504
Agency: 11NPSWRD
Date Created: 07/04/98
Location: ELMORE CREEK NEAR POTTERS FORD
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_NPS_EC5
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE FOX CREEK TN-CUMBERLAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS OUTSIDE THE OBED WILD AND SCENIC RIVER (OBRI). THE SITE IS AT ELMORE CREEK 0.1 MILES FROM THE CONFLUENCE OF ELMORE CREEK AND THE OBED RIVER (OBED RIVER MILE 32.7).
DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSEE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NPS WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/21/80-06/21/80	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/21/80-06/21/80	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/80-06/21/80	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/21/80-06/21/80	1	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/21/80-06/21/80	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/21/80-06/21/80	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/21/80-06/21/80	1	1.585	1.585	1.585	1.585	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/21/80-06/21/80	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/21/80-06/21/80	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	06/21/80-06/21/80	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/21/80-06/21/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/21/80-06/21/80	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	06/21/80-06/21/80	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/80-06/21/80	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/21/80-06/21/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/21/80-06/21/80	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/21/80-06/21/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/21/80-06/21/80	1	210.	210.	210.	210.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/21/80-06/21/80	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

Parameter Inventory for Station: OBRI0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092	ZINC, TOTAL (UG/L AS ZN)	06/21/80-06/21/80	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/21/80-06/21/80	1	240.	240.	240.	240.	0.	0.	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	06/21/80-06/21/80	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	06/21/80-06/21/80	1	3.	3.	3.	3.	0.	0.	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	06/21/80-06/21/80	1	0.477	0.477	0.477	0.477	0.	0.	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			3.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/21/80-06/21/80	1	58.	58.	58.	58.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/21/80-06/21/80	1	1.763	1.763	1.763	1.763	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			58.								
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/21/80-06/21/80	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/21/80-06/21/80	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/21/80-06/21/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	06/21/80-06/21/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0094

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
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			
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: OBRI0095

NPS Station ID: OBRI0095 | LAT/LON: 36.072615/ -84.902920 | Agency: 11NPSWRD | Date Created: 06/27/98
Location: OBED RIVER AT POTTERS FORD | FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): OBRI_TDPH_OB6 /OBEDIS06
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208 | Depth of Water: 0 | Aquifer:
Major Basin: TENNESSEE RIVER | Elevation: 0 | Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES | ECO Region:
RF1 Index: 06010208 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 06010208000109.53 | RF3 Mile Point: 9.53 | Distance from RF3: 0.48 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE FOX CREEK TN-CUMBERLAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE INSIDE OF THE OBED WILD AND SCENIC RIVER BOUNDARIES. THE SITE IS LOCATED AT THE OBED RIVER NEAR POTTERS FORD IN THE CATOOSA WILDLIFE MANAGEMENT AREA AT RIVER MILE 20.8. DATA WERE COLLECTED AT THIS SITE IN 1979 BY DAVID MELGAARD AND DAVID MCKINNEY; BIOLOGISTS WITH THE TENNESSEE DEPARTMENT OF PUBLIC HEALTH DIVISION OF WATER QUALITY CONTROL. THE DATA ARE PART OF A BIOLOGICAL INVENTORY USED TO ASSESS THE IMPACTS OF CROSSVILLE'S MUNICIPAL WASTE WATER TREATMENT PLANT ON THE OBED RIVER. DATA WERE SUMMARIZED IN A REPORT TITLED "BIOLOGICAL INVENTORY AND ASSESSMENT; OBED RIVER MILE 20.8 TO 38.6." ALL WATER QUALITY SAMPLES WERE ANALYZED BY THE STATE CENTRAL LABORATORY IN KNOXVILLE TENNESSEE. ADDITIONAL DATA FOR THIS STATION CAN BE FOUND UNDER AGENCY CODE: 21TNWQ AT THE STATION NAMED: OBEDIS06. DATA WERE UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525.

Parameter Inventory for Station: OBRI0095

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/29/79-03/29/79	1	276.	276.	276.	276.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/29/79-03/29/79	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	03/29/79-03/29/79	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**

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

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

Station Inventory for Station: OBRI0096

NPS Station ID: OBRI0096
LAT/LON: 36.072615/ -84.902920
Agency: 11NPSWRD
Date Created: 06/06/98
Location: OBED RIVER AT POTTERS FORD
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_DEC_OR
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 1310
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE FOX CREEK TN-CUMBERLAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE INSIDE OF THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT OBED RIVER AT RIVER MILE 20.8 NEAR POTTERS FORD. WATER QUALITY DATA WERE COLLECTED IN 1996 AND 1997 BY JONATHON BURR OF THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TEL. 423-594-5616). FOR MORE INFORMATION ABOUT OBRI; CONTACT THE CHIEF OF NATURAL RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887; TEL(615) 346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS CO 80525; TEL(970) 225-3516.

Parameter Inventory for Station: OBRI0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/96-12/04/97	9	13.8	14.322	23.9	6.6	43.649	6.607	6.6	7.4	21.25	23.9
00070	TURBIDITY, (JACKSON CANDLE UNITS)	08/21/96-12/04/97	9	2.	2.178	6.5	0.6	3.317	1.821	0.6	0.9	2.75	6.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/21/96-12/04/97	9	69.	96.889	180.	52.	2592.861	50.92	52.	58.	145.	180.
00300	OXYGEN, DISSOLVED MG/L	08/21/96-12/04/97	9	9.7	9.878	11.6	8.5	1.079	1.039	8.5	9.1	10.75	11.6
00340	COD, .25N K2CR2O7 MG/L	08/21/96-12/04/97	9 ##	2.5	5.833	28.	2.5	71.313	8.445	2.5	2.5	4.75	28.
00400	PH (STANDARD UNITS)	10/17/96-10/06/97	7	7.29	7.344	8.04	7.01	0.124	0.352	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/17/96-10/06/97	7	7.29	7.251	8.04	7.01	0.134	0.366	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/96-10/06/97	7	0.051	0.056	0.098	0.009	0.001	0.032	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	08/21/96-12/04/97	9	50.	55.667	107.	33.	629.	25.08	33.	34.5	71.5	107.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/21/96-12/04/97	9	2.	2.389	4.	0.5	0.986	0.993	0.5	2.	3.	4.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/21/96-12/04/97	9 ##	0.01	0.013	0.04	0.01	0.	0.01	0.01	0.01	0.01	0.04
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/21/96-12/04/97	9 ##	0.05	0.082	0.19	0.05	0.003	0.052	0.05	0.05	0.125	0.19
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/21/96-12/04/97	9	0.13	0.218	0.69	0.01	0.051	0.225	0.01	0.045	0.36	0.69
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/21/96-12/04/97	9	0.009	0.017	0.09	0.002	0.001	0.027	0.002	0.008	0.012	0.09
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/21/96-12/04/97	9	32.	35.889	74.	14.	333.861	18.272	14.	23.5	46.5	74.
00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/96-12/04/97	9	7.	8.	14.	5.	8.25	2.872	5.	5.5	9.5	14.
01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/96-12/04/97	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/21/96-12/04/97	9 ##	0.5	0.889	3.	0.5	0.674	0.821	0.5	0.5	1.	3.
01045	IRON, TOTAL (UG/L AS FE)	08/21/96-12/04/97	9	119.	148.333	326.	89.	5541.25	74.44	89.	101.	177.5	326.
01051	LEAD, TOTAL (UG/L AS PB)	08/21/96-12/04/97	9 ##	0.5	1.222	5.	0.5	2.257	1.502	0.5	0.5	1.5	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/96-12/04/97	8	11.	13.688	26.	2.5	55.496	7.45	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/21/96-12/04/97	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092	ZINC, TOTAL (UG/L AS ZN)	08/21/96-12/04/97	9	9.	9.111	22.	4.	33.361	5.776	4.	4.	11.5	22.
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/96-12/04/97	8 ##	50.	62.5	150.	50.	1250.	35.355	**	**	**	**

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

Parameter Inventory for Station: OBRI0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/21/96-12/04/97	8	15.	21.25	44.	6.	289.071	17.002	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/21/96-12/04/97	8	1.151	1.182	1.643	0.778	0.155	0.394	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			15.196								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/21/96-12/04/97	8	41.	48.625	134.	0.5	2038.482	45.15	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	08/21/96-12/04/97	8	1.613	1.236	2.127	-0.301	0.944	0.971	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			17.23								
71900	MERCURY, TOTAL (UG/L AS HG)	08/21/96-12/04/97	9 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1

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

EPA Water Quality Criteria Analysis for Station: OBRI0096

				Total	Exceed	Prop.	----------7/01-10/14----------			----------10/15-3/14----------			----------3/15-6/30----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	7	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	7	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	7	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00			
		Drinking Water	5.	7	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	1300.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	15.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	100.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	5000.	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	8	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	9	0	0.00	4	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	2.	9	0	0.00	4	0	0.00	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

Station Inventory for Station: OBRI0097

NPS Station ID: OBRI0097 LAT/LON: 36.072781/ -84.902781 Agency: 112WRD Date Created: 07/19/97
Location: OBED RIVER AT POTTER FORD NEAR CROSSVILLE, TN FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 03538860
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/25/96-07/25/96	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/25/96-07/25/96	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	07/25/96-07/25/96	1	733.	733.	733.	733.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/25/96-07/25/96	1	152.	152.	152.	152.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/25/96-07/25/96	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/25/96-07/25/96	1	7.67	7.67	7.67	7.67	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/25/96-07/25/96	1	7.67	7.67	7.67	7.67	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/96-07/25/96	1	0.021	0.021	0.021	0.021	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/25/96-07/25/96	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/25/96-07/25/96	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/96-07/25/96	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	07/25/96-07/25/96	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/25/96-07/25/96	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/25/96-07/25/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/25/96-07/25/96	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/25/96-07/25/96	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/25/96-07/25/96	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/96-07/25/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/25/96-07/25/96	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/96-07/25/96	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	07/25/96-07/25/96	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	07/25/96-07/25/96	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/25/96-07/25/96	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/25/96-07/25/96	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/25/96-07/25/96	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/25/96-07/25/96	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/25/96-07/25/96	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/25/96-07/25/96	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/25/96-07/25/96	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/25/96-07/25/96	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/25/96-07/25/96	1	45.	45.	45.	45.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/25/96-07/25/96	1	51.	51.	51.	51.	0.	0.	**	**	**	**
04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	07/25/96-07/25/96	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/25/96-07/25/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
04029	BROMACIL, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/25/96-07/25/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/25/96-07/25/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/25/96-07/25/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	07/25/96-07/25/96	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: OBRI0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/25/96-07/25/96	1	55.	55.	55.	55.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	07/25/96-07/25/96	1	1.74	1.74	1.74	1.74	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			55.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/25/96-07/25/96	1	354.	354.	354.	354.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	07/25/96-07/25/96	1	2.549	2.549	2.549	2.549	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			354.								
34253	A-BHC-ALPHA DISSUG/L	07/25/96-07/25/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
34653	P,P'-DDE DISSUG/L	07/25/96-07/25/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/25/96-07/25/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38478	LINURON WATER,DISSUG/L	07/25/96-07/25/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
38482	MCPA WATER,DISSUG/L	07/25/96-07/25/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38487	MCPB WATER,DISSUG/L	07/25/96-07/25/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38501	METHIOCARB WATER,DISSUG/L	07/25/96-07/25/96	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
38538	PROPOXUR WATER,DISSUG/L	07/25/96-07/25/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38711	BENTAZON WATER, DISUG/L	07/25/96-07/25/96	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
38746	2,4-DB WATER, DISUG/L	07/25/96-07/25/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38811	FLUOMETURON WATER, DISUG/L	07/25/96-07/25/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
38866	OXAMYL WATER, DISUG/L	07/25/96-07/25/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
38933	CHLORPYRIFOS,DISSOLVED UG/L	07/25/96-07/25/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	07/25/96-07/25/96	1	38.	38.	38.	38.	0.	0.	**	**	**	**
39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	07/25/96-07/25/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/25/96-07/25/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39415	METOLACHLOR, WATER, DISSOLVED UG/L	07/25/96-07/25/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/25/96-07/25/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/25/96-07/25/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/25/96-07/25/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39632	ATRAZINE DISSOLVED IN WATER PPB	07/25/96-07/25/96	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/25/96-07/25/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/25/96-07/25/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	07/25/96-07/25/96	1 ##	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**
46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	07/25/96-07/25/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
49235	TRICLOPYR,RECOVERABLE,WATER,FILTER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49236	PROPHAM, RECOVERABLE,WATER,FILTER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49260	ACETOCHLOR, RECOVERABLE, WATER, FILTERED UG/L	07/25/96-07/25/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
49291	PICLORAM,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49292	ORYZALIN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
49293	NORFLURAZON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
49294	NEBURON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
49295	NAPTHOL,1-,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
49296	METHOMYL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
49297	FENURON,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
49298	ESFENVALERATE,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
49299	CRESOL,O-,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49301	DINOSEB, RECV, FILTERED, WATER, GF, 0.7U UG/L	07/25/96-07/25/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49302	DICHLORPROP,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
49303	DICHLOBENIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
49304	DACTHAL, RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
49305	CLOPYRALID,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49306	CHLOROTHALONIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49307	AMIBEN, RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
49308	HYDROXYCARBOFURAN,3-,RECV,FILT,WATER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
49309	CARBOFURAN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.014	0.014	0.014	0.014	0.	0.	**	**	**	**
49310	CARBARYL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
49311	BROMOXYNIL,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
49312	ALDICARB, RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
49313	ALDICARB SULFONE,RECV,FILTERED,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
49314	ALDICARB SULFOXIDE,RECV,FILTERED,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**
49315	ACIFLUORFEN,RECV,FILTERED,WATER,GF,0.7U UG/L	07/25/96-07/25/96	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	07/25/96-07/25/96	1	80.	80.	80.	80.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/25/96-07/25/96	1	6.	6.	6.	6.	0.	0.	**	**	**	**
82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	07/25/96-07/25/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	07/25/96-07/25/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	07/25/96-07/25/96	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

Parameter Inventory for Station: OBRI0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	07/25/96-07/25/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	07/25/96-07/25/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0097

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVE	Drinking Water	4.	1	0	0.00	1	0	0.00									
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
34653	P,P'-DDE, DISSOLVED	Fresh Acute	1050.	1	0	0.00	1	0	0.00									
38866	OXAMYL, DISSOLVED	Drinking Water	200.	1	0	0.00	1	0	0.00									
38933	CHLORPYRIFOS, DISSOLVED	Fresh Acute	0.083	1	0	0.00	1	0	0.00									
39341	GAMMA-BHC(LINDANE), DISSOLVED	Fresh Acute	2.	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	2.5	1	0	0.00	1	0	0.00									
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	0.065	1	0	0.00	1	0	0.00									
39632	ATRAZINE DISSOLVED IN WATER	Drinking Water	3.	1	0	0.00	1	0	0.00									
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE	Drinking Water	70.	1	0	0.00	1	0	0.00									
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE	Drinking Water	50.	1	0	0.00	1	0	0.00									
46342	ALACHLOR (LASSO), WATER, DISSOLVED	Drinking Water	2.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: OBRI0098

NPS Station ID: OBRI0098
LAT/LON: 36.072670/ -84.902920
Agency: 11NPSWRD
Date Created: 07/04/98
Location: OBED RIVER AT POTTERS FORD
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_NPS_O3
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE FOX CREEK TN-CUMBERLAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS INSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT THE OBED RIVER NEAR POTTERS FORD AT STREAM MILE 20.7. DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSEE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NPS WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/79-09/30/80	5	14.	11.8	20.	0.	63.2	7.95	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	11/16/79-09/30/80	5	17.	12.2	23.	-2.	151.7	12.317	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/16/79-09/30/80	5	58.	66.4	151.	28.	2409.3	49.085	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/16/79-09/30/80	4	9.25	9.45	13.1	6.2	14.19	3.767	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/16/79-09/30/80	5	6.3	6.2	6.8	5.2	0.365	0.604	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/16/79-09/30/80	5	6.3	5.8	6.8	5.2	0.565	0.751	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/16/79-09/30/80	5	0.501	1.583	6.31	0.158	7.013	2.648	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	5	13.	17.	46.	0.	295.	17.176	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/03/80-09/30/80	3 ##	0.	4.333	13.	0.	56.333	7.506	**	**	**	**
00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	11/16/79-09/30/80	5	0.06	0.192	0.4	0.05	0.036	0.19	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/16/79-06/07/80	4	0.2	3.138	12.1	0.05	35.71	5.976	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/16/79-09/30/80	5	0.05	0.05	0.1	0.01	0.001	0.032	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/80-06/08/80	1 ##	0.375	0.375	0.375	0.375	0.	0.	**	**	**	**
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	02/29/80-09/30/80	2 ##	0.028	0.028	0.03	0.025	0.	0.004	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	5	14.	13.4	19.	6.	23.8	4.879	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/08/80-06/08/80	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/08/80-06/08/80	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	06/08/80-06/08/80	1	2.67	2.67	2.67	2.67	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	06/08/80-06/08/80	1 ##	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**

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

Parameter Inventory for Station: OBRI0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	11/16/79-09/30/80	5	4.	4.4	6.	4.	0.8	0.894	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	06/08/80-06/08/80	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/80-06/08/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/16/79-09/30/80	6 ##	1.	3.333	15.	1.	32.667	5.715	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	06/08/80-06/08/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/16/79-09/30/80	6 ##	2.5	7.917	35.	2.5	176.042	13.268	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/16/79-09/30/80	6	150.	165.	300.	50.	7750.	88.034	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	02/29/80-09/30/80	5 ##	5.	354.	1750.	5.	609005.	780.388	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/16/79-06/08/80	2	15.	15.	20.	10.	50.	7.071	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/08/80-06/08/80	1 ##	30.	30.	30.	30.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/16/79-06/08/80	4 ##	0.5	62.875	250.	0.5	15562.563	124.75	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/16/79-09/30/80	6	280.	523.333	1850.	30.	462026.667	679.725	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	11/16/79-09/30/80	4	1.7	3.05	8.5	0.3	13.877	3.725	**	**	**	**
31611	FECAL COLIFORM, MF, M-TEC #/100ML	11/16/79-11/16/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
31611	LOG FECAL COLIFORM, MF, M-TEC #/1	11/16/79-11/16/79	1	0.477	0.477	0.477	0.477	0.	0.	**	**	**	**
31611	GM FECAL COLIFORM, MF, M-TEC #/10	GEOMETRIC MEAN =			3.								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/16/79-09/30/80	4	33.5	100.25	332.	2.	24118.917	155.303	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/16/79-09/30/80	4	1.517	1.464	2.521	0.301	0.83	0.911	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			29.1								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	2	85.	85.	102.	68.	578.	24.042	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	2	1.921	1.921	2.009	1.833	0.016	0.125	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			83.283								
38745	2,4-DB WATER, TOTUG/L	06/08/80-06/08/80	1 ##	1.95	1.95	1.95	1.95	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39755	MIREX, TOTAL (UG/L)	06/08/80-06/08/80	1 ##	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	11/16/79-09/30/80	5	0.3	0.3	0.6	0.1	0.035	0.187	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11/16/79-11/16/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/07/80-09/30/80	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/16/79-09/30/80	5	3.	2.4	3.	1.	0.8	0.894	**	**	**	**
82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	11/16/79-06/07/80	4	0.05	0.143	0.45	0.02	0.042	0.205	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0098

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	4	0.80	1	1	1.00	2	1	0.50	2	2	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	1	1.00							1	1	1.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5 &	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	1300.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	4 &	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	15.	4 &	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3 &	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	5000.	4	0	0.00				2	0	0.00	2	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	4	1	0.25	1	0	0.00	2	1	0.50	1	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00							1	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00							1	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00							1	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00							1	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00							1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00							1	0	0.00			
		Drinking Water	3.	1	0	0.00							1	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.4	1	0	0.00							1	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00							1	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	1	0	0.00							1	0	0.00			
39720	PICLORAM IN WHOLE WATER SAMPLE	Drinking Water	500.	1	0	0.00							1	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00							1	0	0.00			
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00				1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	2.	2	0	0.00	1	0	0.00				1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	5	0	0.00	1	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: OBRI0099

NPS Station ID: OBRI0099
LAT/LON: 36.072503/ -84.903059
Agency: 21TNWQ
Date Created: 06/19/82
Location: OBED R 20.8 AT POTTERS FORD QUAD 116SW
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBEDIS06
RMI-Indexes: 1021500 007720 00920 7930 0250 1010
Within Park Boundary: Yes
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 020.80
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: CLINCH RIVER
ECO Region:
RF1 Index: 06010208013
RF1 Mile Point: 4.520
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 06010208001316.73
RF3 Mile Point: 17.42
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/29/79-03/29/79	1	10.5	10.5	10.5	10.5	0.	0.	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	03/29/79-03/29/79	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	03/29/79-03/29/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	03/29/79-03/29/79	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/29/79-03/29/79	1	57.	57.	57.	57.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/29/79-03/29/79	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00308	BOD, NITROGEN INHIB.,TOTAL, 20 DAY, 20 DEG C MG/L	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00324	BOD, 20 DAY, 20 DEG C MG/L	03/29/79-03/29/79	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	03/29/79-03/29/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/29/79-03/29/79	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/29/79-03/29/79	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/29/79-03/29/79	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/29/79-03/29/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/29/79-03/29/79	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/29/79-03/29/79	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/29/79-03/29/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/29/79-03/29/79	1	0.39	0.39	0.39	0.39	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/29/79-03/29/79	1	0.28	0.28	0.28	0.28	0.	0.	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	03/29/79-03/29/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/29/79-03/29/79	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/29/79-03/29/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/29/79-03/29/79	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	03/29/79-03/29/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/29/79-03/29/79	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	03/29/79-03/29/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	03/29/79-03/29/79	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/29/79-03/29/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/29/79-03/29/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/29/79-03/29/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/29/79-03/29/79	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/29/79-03/29/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/29/79-03/29/79	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/29/79-03/29/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/29/79-03/29/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: OBRI0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/29/79-03/29/79	1	320.	320.	320.	320.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/29/79-03/29/79	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: OBRI0099

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	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			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: OBRI0100

NPS Station ID: OBRI0100
LAT/LON: 36.072503/ -84.903059
Agency: 131TVAC
Date Created: / /
Location: AT POTTER FORD
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475410 /3551
RMI-Indexes: 1021500 007720 00920 7930 0250 1010
Within Park Boundary: Yes
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 020.77
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: CLINCH RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: OBED RIVER 20.77
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 1.90
On/Off RF1:
RF3 Index: 06010208002400.00
RF3 Mile Point: 0.06
Distance from RF3: 0.07
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/28/67-04/23/68	8	1.	1.	1.	1.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/28/67-04/23/68	8	12.95	10.613	18.	1.	34.416	5.866	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/28/67-04/23/68	8	101.5	179.	790.	13.	65960.857	256.828	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/28/67-04/23/68	6	19.5	22.833	45.	2.	388.567	19.712	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	09/28/67-04/23/68	6	12.5	13.333	25.	5.	46.667	6.831	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/28/67-04/23/68	6	39.5	57.167	110.	37.	950.167	30.825	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/28/67-04/23/68	8	9.75	10.463	13.9	8.5	3.894	1.973	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/28/67-04/23/68	6 ##	0.5	0.917	2.5	0.5	0.642	0.801	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	09/28/67-04/23/68	6	12.	14.	28.	8.	56.	7.483	**	**	**	**
00400	PH (STANDARD UNITS)	09/28/67-04/23/68	8	6.95	7.063	7.7	6.6	0.157	0.396	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/28/67-04/23/68	8	6.947	6.936	7.7	6.6	0.175	0.419	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/28/67-04/23/68	8	0.113	0.116	0.251	0.02	0.006	0.08	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/28/67-04/23/68	8	13.	11.	15.	4.	18.857	4.342	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/28/67-04/23/68	8	0.	0.	0.	0.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	09/28/67-04/23/68	6	45.	45.	70.	30.	230.	15.166	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/28/67-04/23/68	6	35.	36.667	60.	20.	186.667	13.663	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/28/67-04/23/68	6	0.26	0.32	0.75	0.12	0.054	0.231	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/28/67-04/23/68	6 ##	0.005	0.015	0.06	0.005	0.	0.022	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/28/67-04/23/68	6	0.01	0.01	0.02	0.005	0.	0.005	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/28/67-04/23/68	6	0.17	0.173	0.39	0.005	0.023	0.153	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/28/67-04/23/68	6	0.069	0.073	0.13	0.029	0.002	0.042	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/28/67-04/23/68	6	0.039	0.054	0.124	0.023	0.002	0.04	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/28/67-04/23/68	7	5.	4.214	6.5	1.5	3.571	1.89	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/28/67-04/23/68	7	1.	1.143	1.5	0.5	0.143	0.378	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/28/67-04/23/68	6	0.95	2.033	6.6	0.8	5.203	2.281	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	09/28/67-04/23/68	6	1.9	1.85	3.	0.5	1.083	1.041	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/28/67-04/23/68	8	4.	4.5	10.	1.	8.286	2.878	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/28/67-04/23/68	8	5.	5.375	9.	3.	4.268	2.066	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	09/28/67-04/23/68	6	1.75	2.033	3.9	0.4	2.083	1.443	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/28/67-04/23/68	5 ##	5.	25.	90.	5.	1362.5	36.912	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/28/67-04/23/68	7	270.	462.857	1000.	250.	92623.81	304.342	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/28/67-02/12/68	7	140.	135.714	180.	60.	1861.905	43.15	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	09/28/67-04/23/68	8	50.	53.125	100.	25.	970.982	31.161	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/28/67-04/23/68	5	30.	36.	60.	10.	380.	19.494	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/28/67-02/12/68	5	20.	15.	20.	5.	50.	7.071	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/28/67-04/23/68	6	55.	188.333	650.	20.	62856.667	250.712	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	09/28/67-04/23/68	6	3900.	15753.333	62000.	360.	594450826.667	24381.362	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	09/28/67-04/23/68	6	3.498	3.547	4.792	2.556	0.877	0.937	**	**	**	**

** - Less than 9 observations ## - 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: OBRI0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3523.33								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/28/67-04/23/68	6	85.	291.5	940.	6.	154814.3	393.464	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/28/67-04/23/68	6	1.91	1.913	2.973	0.778	0.772	0.878	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			81.82								
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	09/28/67-04/23/68	7	17.	15.	22.	6.	34.667	5.888	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0100

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	8	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	8	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	250.	8	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	8	0	0.00	3	0	0.00	4	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5	2	0.40	1	0	0.00	3	1	0.33	1	1	1.00			
		Drinking Water	1300.	5	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	6	2	0.33	1	0	0.00	4	2	0.50	1	0	0.00			
		Drinking Water	5000.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	6	4	0.67	1	1	1.00	4	2	0.50	1	1	1.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	6	2	0.33	1	1	1.00	4	1	0.25	1	0	0.00			

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

Station Inventory for Station: OBRI0101

NPS Station ID: OBRI0101 | LAT/LON: 36.070809/ -84.903670 | Agency: 11NPSWRD | Date Created: 05/09/98
Location: OBED RIVER AT POTTERS BRIDGE | FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): OBRI_NPS_OR-2
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 06010208 | Depth of Water: 0 | Aquifer:
Major Basin: TENNESSEE RIVER | Elevation: 0 | Water Body Id:
Minor Basin: TENNESSEE RIVER MAIN STEM AND MINOR TR | ECO Region:
RF1 Index: 06010208 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 06010208000109.53 | RF3 Mile Point: 9.53 | Distance from RF3: 0.48 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE FOX CREEK TN-CUMBERLAND CO 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS ON A STREAM INSIDE TH BOUNDARY OF THE OBED WILD AND SCENIC RIVER. THE SITE IS ON OBED RIVER AT POTTERS BRIDGE. THE SITE IS SAMPLED FOR PH; CONDUCTIVITY; METALS; AND COLIFORMS. THE SAMPLING WAS BEGUN TO ENSURE THAT THE WILD AND SCENIC RIVER WAS PROTECTED AND PRESERVED AS MANDATED IN THE EARLY 1980'S. THE SAMPLING WAS DONE BY PARK PERSONNEL FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES; OBED WILD AND SCENIC RIVER; P.O. BOX 429; WARTBURG TN 37887-0429 (TEL. 423-346-6294 DATA WERE 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: OBRI0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/17/97-03/17/97	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/17/97-03/17/97	1	62.	62.	62.	62.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/17/97-03/17/97	1	10.5	10.5	10.5	10.5	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	03/17/97-03/17/97	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/17/97-03/17/97	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/17/97-03/17/97	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/17/97-03/17/97	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00612	AMMONIA, UNIONZED (MG/L AS N)	03/17/97-03/17/97	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/17/97-03/17/97	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/17/97-03/17/97	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/17/97-03/17/97	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/97-03/17/97	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/10/83-04/11/88	23	96.	253.696	1320.	0.	121744.858	348.92	9.	44.	330.	914.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	05/10/83-04/11/88	23	1.982	1.984	3.121	0.	0.528	0.726	0.954	1.643	2.519	2.961
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			96.396								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	76	22.5	63.408	610.	0.	12778.005	113.04	3.7	8.25	50.	165.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	76	1.352	1.344	2.785	0.	0.431	0.656	0.565	0.916	1.699	2.214
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			22.063								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	72	76.	1479.181	47400.	0.	40705315.756	6380.072	4.	15.5	180.	1340.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	72	1.88	1.815	4.676	0.	1.	1.	0.602	1.185	2.255	3.126
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			65.38								
74010	IRON, TOTAL (MG/L AS FE)	03/17/97-03/17/97	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/17/97-03/17/97	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	03/17/97-03/17/97	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: OBRI0101

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	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	0	0.00							1	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	23	1	0.04	6	1	0.17	9	0	0.00	8	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	76	7	0.09	15	2	0.13	32	3	0.09	29	2	0.07			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station OBRI0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	15	33.	99.4	610.	0.	25029.829	158.208	0.	10.	140.	397.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	15	1.519	1.508	2.785	0.	0.629	0.793	0.	1.	2.146	2.558
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			32.182								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	14	166.	4269.071	47400.	10.	156831036.687	12523.22	15.	70.	2100.	26300.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	14	2.196	2.471	4.676	1.	1.035	1.017	1.151	1.845	3.265	4.196
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			295.764								

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

Seasonal Analysis for Season #2: 10/15 to 3/14 - Station OBRI0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	32	17.	65.531	454.	0.	14905.676	122.089	3.3	6.25	48.	321.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	32	1.227	1.283	2.657	0.	0.459	0.677	0.515	0.795	1.68	2.461
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			19.207								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	31	35.	710.645	17200.	0.	9555548.37	3091.205	2.4	10.	143.	452.8
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	31	1.544	1.639	4.236	0.	0.827	0.91	0.361	1.	2.155	2.656
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			43.594								

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	29	23.	42.448	310.	0.	4055.042	63.679	5.	9.5	44.	80.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	29	1.362	1.325	2.491	0.	0.313	0.559	0.699	0.977	1.643	1.903
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			21.149								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	27	72.	914.963	21200.	0.	16489744.191	4060.757	1.	9.	180.	520.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	27	1.857	1.678	4.326	0.	0.972	0.986	0.	0.954	2.255	2.651
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			47.605								

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

Station Inventory for Station: OBRI0102

NPS Station ID: OBRI0102
LAT/LON: 35.925837/ -84.913060
Agency: 112WRD
Date Created: 01/23/82
Location: DADDYS CREEK NEAR CRAB ORCHARD, TENN.
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03539500
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208015
RF1 Mile Point: 17.630
Distance from RF1: 11.40
On/Off RF1: OFF
RF3 Index: 06010208043300.00
RF3 Mile Point: 0.46
Distance from RF3: 0.14
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0102

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: OBRI0103

NPS Station ID: OBRI0103
LAT/LON: 35.890281/ -84.937781
Agency: 131TVAC
Date Created: / /
Location: TENNESSEE HWY 68 BRIDGE
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475135 /3599
RMI-Indexes: 1021500 007720 00920 7930 0250 1010 0310
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 009.10 27.02
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: CLINCH RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: DADDYS CREEK 27.02
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208027000.48
RF3 Mile Point: 1.40
Distance from RF3: 0.29
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-11/02/71	16	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-11/02/71	16	17.4	15.5	22.	1.	42.201	6.496	4.5	12.175	21.375	22.
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/25/67-11/02/71	15	14.	59.733	550.	2.	19673.924	140.264	2.6	4.	31.	306.4
00070	TURBIDITY, (JACKSON CANDLE UNITS)	09/28/67-11/02/71	11	3.	14.455	80.	1.	673.273	25.947	1.2	2.	8.	74.
00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-11/02/71	14	17.5	18.214	40.	5.	117.72	10.85	5.	8.75	26.25	35.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/25/67-11/02/71	12	42.5	43.5	68.	30.	146.091	12.087	30.	31.5	50.	65.6
00300	OXYGEN, DISSOLVED MG/L	06/23/67-11/02/71	16	7.7	7.95	12.3	5.3	3.037	1.743	5.79	7.325	8.1	11.46
00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-11/02/71	14 ##	0.5	1.379	8.	0.5	3.902	1.975	0.5	0.5	1.5	5.05
00335	COD, .025N K2CR2O7 MG/L	06/23/67-04/23/68	9	11.	11.444	18.	7.	9.528	3.087	7.	10.	13.	18.
00400	PH (STANDARD UNITS)	06/23/67-11/02/71	16	6.9	6.975	7.9	6.1	0.298	0.546	6.1	6.625	7.425	7.83
00400	CONVERTED PH (STANDARD UNITS)	06/23/67-11/02/71	16	6.9	6.686	7.9	6.1	0.387	0.622	6.1	6.625	7.425	7.83
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/67-11/02/71	16	0.126	0.206	0.794	0.013	0.063	0.251	0.015	0.039	0.238	0.794
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/25/67-04/23/68	10	12.5	22.5	110.	3.	1009.611	31.774	3.1	7.	23.25	102.
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/25/67-04/23/68	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500	RESIDUE, TOTAL (MG/L)	06/23/67-02/12/68	7	50.	57.143	90.	30.	557.143	23.604	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/23/67-02/12/68	7	40.	40.	60.	20.	200.	14.142	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/67-11/02/71	14	0.2	0.225	0.48	0.005	0.015	0.124	0.038	0.15	0.315	0.405
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/67-11/02/71	14 ##	0.005	0.009	0.03	0.005	0.	0.008	0.005	0.005	0.013	0.025
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/23/67-11/02/71	14 ##	0.005	0.01	0.03	0.005	0.	0.008	0.005	0.005	0.013	0.025
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/23/67-11/02/71	14	0.08	0.114	0.38	0.005	0.014	0.116	0.005	0.02	0.178	0.33
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/67-11/02/71	14	0.016	0.032	0.134	0.007	0.001	0.036	0.009	0.013	0.033	0.113
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/67-04/23/68	8	0.015	0.025	0.091	0.002	0.001	0.029	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/71-11/02/71	5	0.007	0.008	0.01	0.007	0.	0.001	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/23/67-11/02/71	15	3.5	3.7	5.	1.5	1.421	1.192	1.8	3.	5.	5.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/67-11/02/71	15	1.	1.197	6.	0.25	1.924	1.387	0.4	0.6	1.	3.6
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-11/02/71	14	1.05	0.986	1.8	0.2	0.169	0.411	0.3	0.775	1.225	1.6
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-11/02/71	14	1.1	1.364	2.8	0.7	0.355	0.596	0.8	1.	1.575	2.6
00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-11/02/71	16	2.5	2.75	5.	1.	1.533	1.238	1.	2.	3.75	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-11/02/71	16	4.5	4.813	8.	1.	4.029	2.007	1.7	4.	6.75	8.
00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-04/23/68	9	2.	2.233	3.9	0.8	0.978	0.989	0.8	1.6	3.05	3.9
01042	COPPER, TOTAL (UG/L AS CU)	06/23/67-04/23/68	8	15.	20.625	80.	5.	624.554	24.991	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/23/67-04/23/68	10	350.	426.	1200.	160.	91648.889	302.736	166.	220.	537.5	1139.
01046	IRON, DISSOLVED (UG/L AS FE)	07/25/67-02/12/68	9	140.	160.	280.	70.	5350.	73.144	70.	95.	225.	280.
01047	IRON, FERROUS (UG/L AS FE)	07/25/67-04/23/68	10	50.	67.5	200.	25.	2923.611	54.07	25.	25.	100.	190.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/67-04/23/68	8	50.	176.25	1000.	20.	112283.929	335.088	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/25/67-02/12/68	6	30.	31.667	50.	20.	176.667	13.292	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/67-04/23/68	9	90.	91.111	200.	20.	4661.111	68.272	20.	20.	155.	200.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/06/71-11/02/71	5	330.	254.	510.	20.	44730.	211.495	**	**	**	**

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

Parameter Inventory for Station: OBRI0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/06/71-11/02/71	5	2.519	2.156	2.708	1.301	0.384	0.62	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			143.376								
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/23/67-04/23/68	9	620.	1725.778	11000.	62.	12291195.444	3505.88	62.	135.	1100.	11000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/23/67-04/23/68	9	2.792	2.716	4.041	1.792	0.465	0.682	1.792	2.123	3.041	4.041
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			519.866								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/23/68	9	93.	533.111	3600.	3.	1358335.361	1165.476	3.	36.	420.	3600.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/23/68	9	1.968	2.016	3.556	0.477	0.743	0.862	0.477	1.556	2.567	3.556
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			103.684								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/06/71-11/02/71	5	20.	21.	50.	5.	305.	17.464	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/06/71-11/02/71	5	1.301	1.2	1.699	0.699	0.14	0.374	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			15.849								
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/23/67-11/02/71	14	13.5	13.071	17.	6.	10.225	3.198	7.	11.75	16.	16.5

** - 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: OBRI0103

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	11	2	0.18	5	1	0.20	5	1	0.20	1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	16	0	0.00	9	0	0.00	5	0	0.00	2	0	0.00			
00400	PH	Fresh Chronic	9.	16	0	0.00	9	0	0.00	5	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	16	3	0.19	9	3	0.33	5	0	0.00	2	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	14	0	0.00	7	0	0.00	5	0	0.00	2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	14	0	0.00	7	0	0.00	5	0	0.00	2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	16	0	0.00	9	0	0.00	5	0	0.00	2	0	0.00			
		Drinking Water	250.	16	0	0.00	9	0	0.00	5	0	0.00	2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	16	0	0.00	9	0	0.00	5	0	0.00	2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	4	0.50	3	0	0.00	3	2	0.67	2	2	1.00			
		Drinking Water	1300.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	9	3	0.33	3	1	0.33	4	1	0.25	2	1	0.50			
		Drinking Water	5000.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	5	0	0.00	4	0	0.00	1	0	0.00						
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	9	4	0.44	3	1	0.33	4	2	0.50	2	1	0.50			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	9	3	0.33	3	1	0.33	4	1	0.25	2	1	0.50			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	5	0	0.00	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

Station Inventory for Station: OBRI0104

NPS Station ID: OBRI0104 LAT/LON: 36.062142/ -84.956365 Agency: 11NPSWRD Date Created: 05/09/98
Location: OBED RIVER DOWNSTREAM OF ADAMS BRIDGE FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): OBRI_NPS_OR-3
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: TENNESSEE RIVER MAIN STEM AND MINOR TRIB ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE FOX CREEK TN-CUMBERLAND CO 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION IS ON A STREAM OUTSIDE THE BOUNDARY OF THE OBED WILD AND SCENIC RIVER. THE SITE IS ON OBED RIVER DOWNSTREAM OF ADAMS BRIDGE. THE SITE IS SAMPLED FOR PH; CONDUCTIVITY; METALS; AND COLIFORMS. THE SAMPLING WAS BEGUN TO ENSURE THAT THE WILD AND SCENIC RIVER WAS PROTECTED AND PRESERVED AS MANDATED IN THE EARLY 1980'S. THE SAMPLING WAS DONE BY PARK PERSONNEL. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES; OBED WILD AND SCENIC RIVER; P.O. BOX 429; WARTBURG TN 37887-0429 (TEL. 423-346-6294). DATA WERE 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: OBRI0104

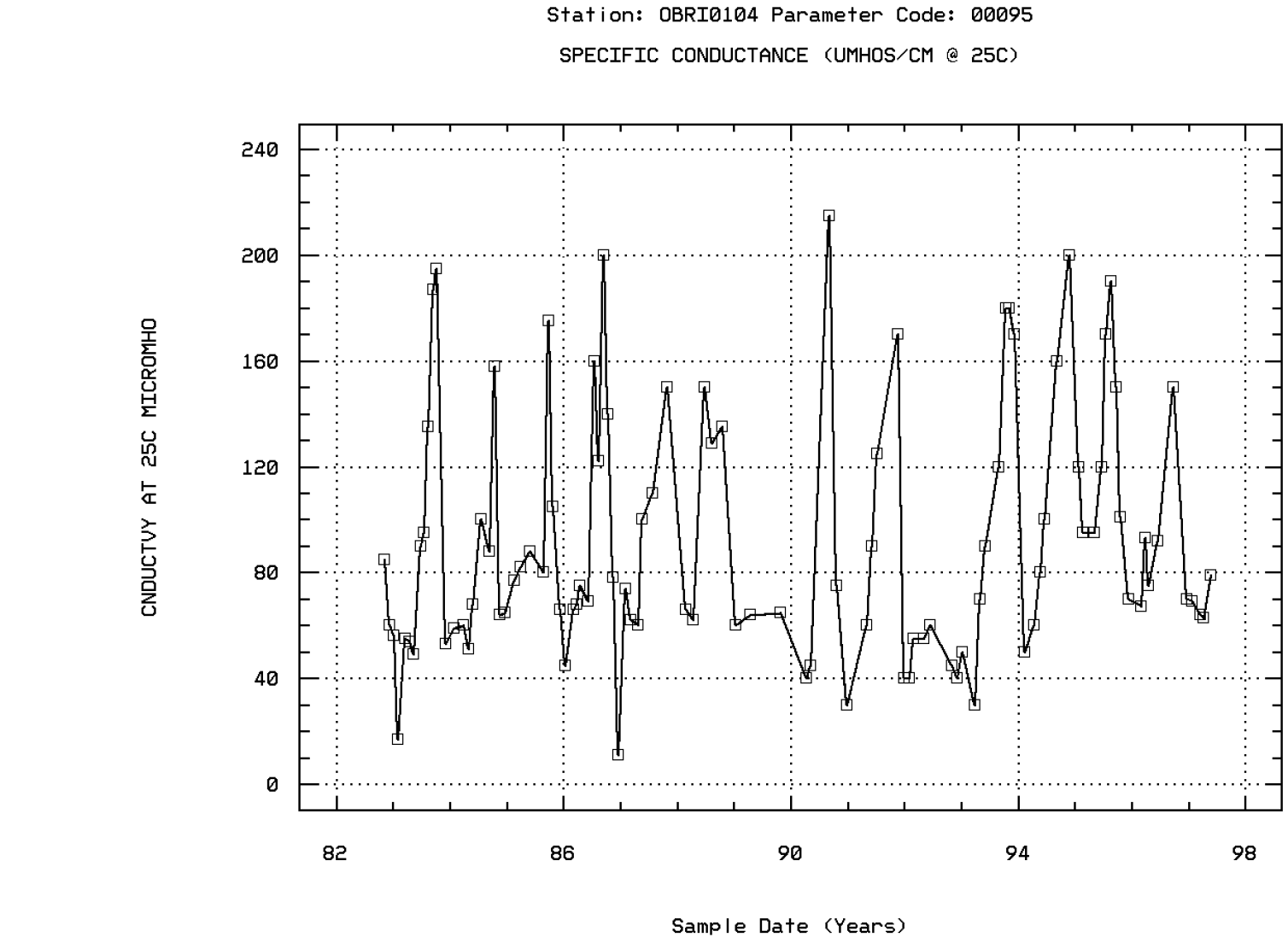
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	105	12.4	13.127	25.6	0.5	38.674	6.219	5.26	8.25	18.4	22.62
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	103	75.	92.194	215.	11.	2195.236	46.853	45.	60.	120.	170.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	100	9.95	9.748	13.5	5.9	3.525	1.877	7.01	8.125	11.1	12.09
00406p	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	96	7.1	7.044	7.9	6.3	0.112	0.334	6.6	6.9	7.2	7.5
00406p	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	96	7.1	6.914	7.9	6.3	0.129	0.358	6.6	6.9	7.2	7.5
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	96	0.079	0.122	0.501	0.013	0.011	0.105	0.032	0.063	0.126	0.251
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	106	21.	27.802	76.	9.	274.77	16.576	12.7	16.	40.	51.3
00612	AMMONIA, UNIONZED (MG/L AS N)	10/17/95-05/19/97	11	0.13	0.151	0.4	0.	0.013	0.116	0.	0.09	0.21	0.372
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	106	29.	37.057	98.	3.	401.978	20.049	21.	23.	45.5	72.2
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	99	7.	8.596	23.	3.	19.815	4.451	4.	5.	11.	15.
00945p	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	104 ##	5.	9.452	39.	5.	61.435	7.838	5.	5.	12.	21.
01055p	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	101 ##	250.	248.515	250.	100.	222.772	14.926	250.	250.	250.	250.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/10/83-04/11/88	23	80.	259.043	1950.	0.	266188.953	515.935	20.4	40.	200.	1232.
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	05/10/83-04/11/88	23	1.903	1.943	3.29	0.	0.444	0.667	1.31	1.602	2.301	2.995
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			87.605								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	74	25.	91.743	2060.	0.	68189.728	261.132	4.5	10.	53.75	161.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	74	1.398	1.418	3.314	0.	0.42	0.648	0.651	1.	1.73	2.208
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			26.181								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	71	100.	2011.592	86800.	0.	111172846.645	10543.854	4.6	30.	440.	1892.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	71	2.	2.038	4.939	0.	0.996	0.998	0.651	1.477	2.643	3.277
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			109.027								
74010p	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	104 ##	0.1	0.14	0.7	0.1	0.014	0.117	0.1	0.1	0.1	0.265
82078p	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	106	2.05	4.583	52.	0.5	63.093	7.943	0.8	1.4	4.	8.55
82242p	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	106	10.	11.255	48.	5.	36.325	6.027	6.	7.	13.25	18.3

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

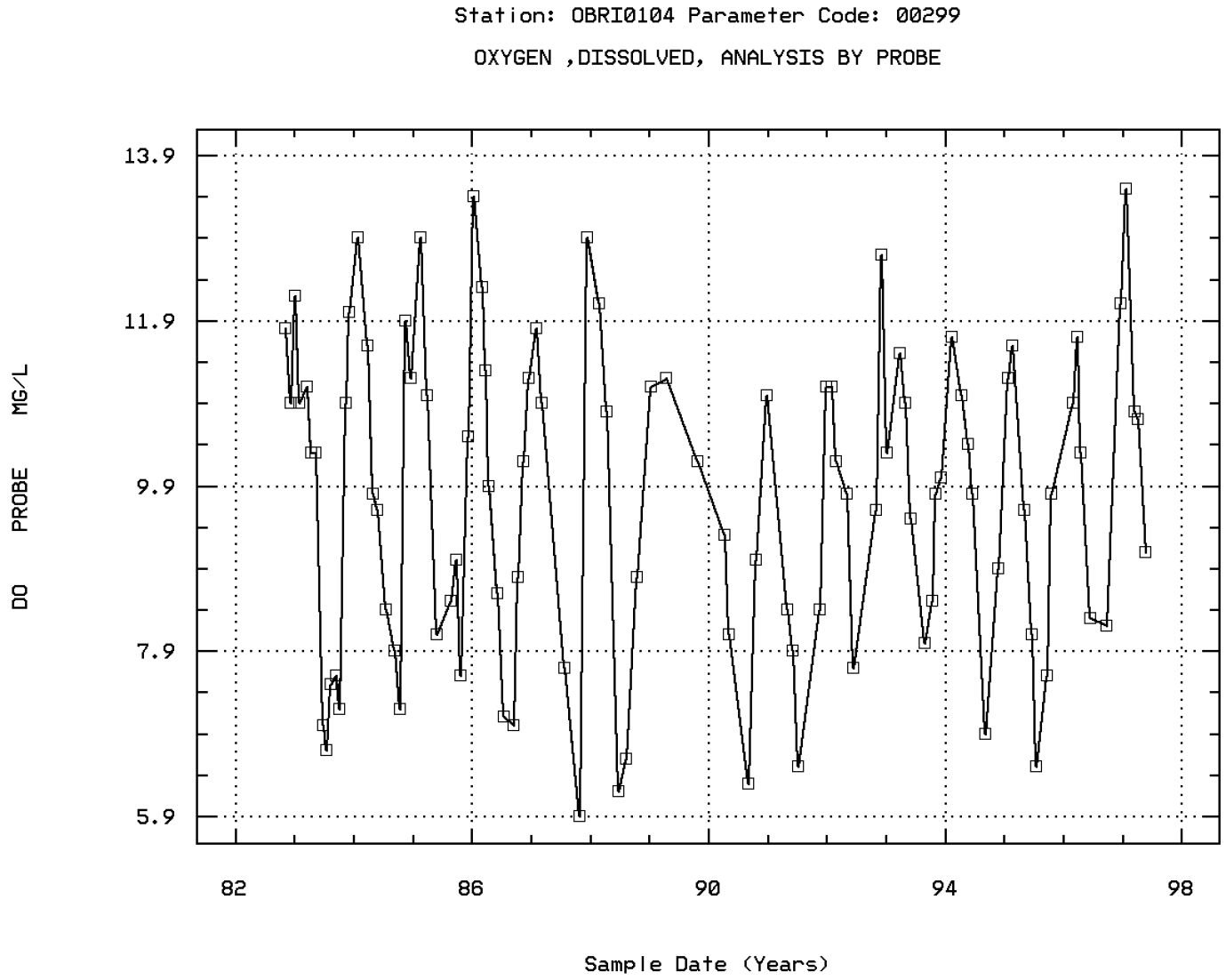
EPA Water Quality Criteria Analysis for Station: OBRI0104

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	100	0	0.00	20	0	0.00	45	0	0.00	35	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	96	0	0.00	17	0	0.00	42	0	0.00	37	0	0.00			
		Other-Lo Lim.	6.5	96	8	0.08	17	0	0.00	42	6	0.14	37	2	0.05			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	99	0	0.00	21	0	0.00	42	0	0.00	36	0	0.00			
		Drinking Water	250.	99	0	0.00	21	0	0.00	42	0	0.00	36	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	104	0	0.00	22	0	0.00	45	0	0.00	37	0	0.00			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	23	2	0.09	6	1	0.17	10	0	0.00	7	1	0.14			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	74	6	0.08	14	1	0.07	33	2	0.06	27	3	0.11			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	106	1	0.01	23	0	0.00	47	1	0.02	36	0	0.00			

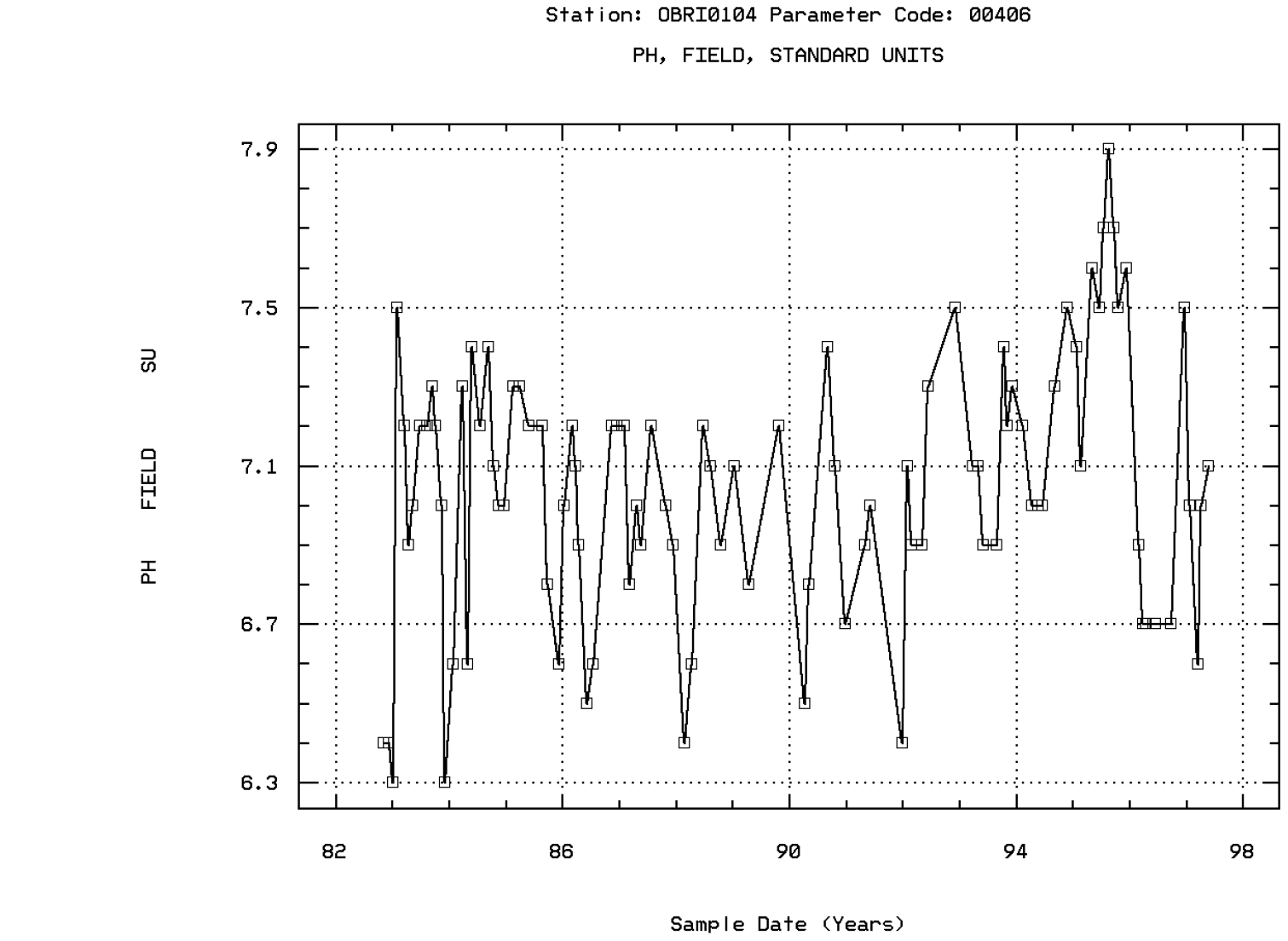
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



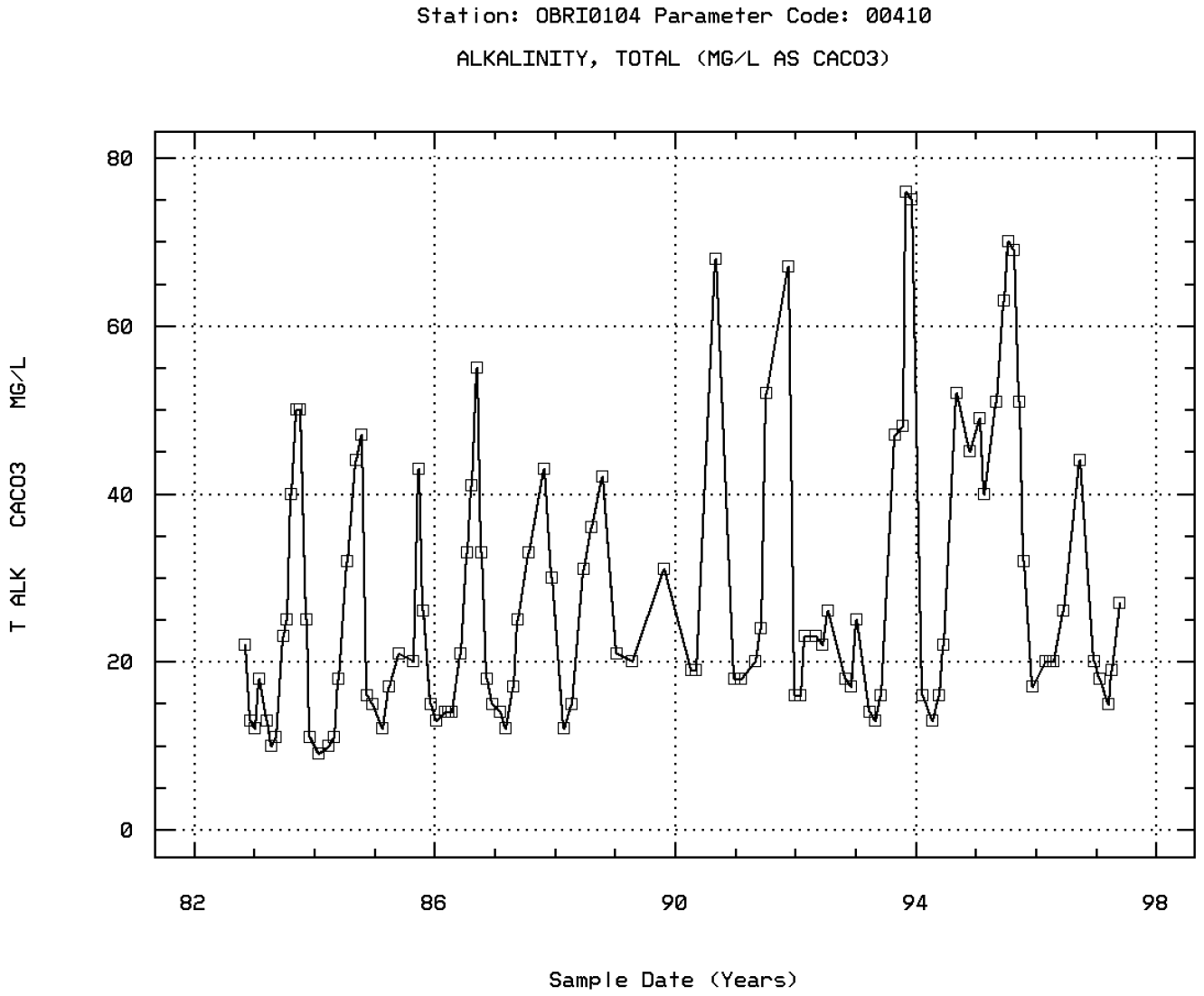
OBED RIVER DOWNSTREAM OF ADAMS BRIDGE



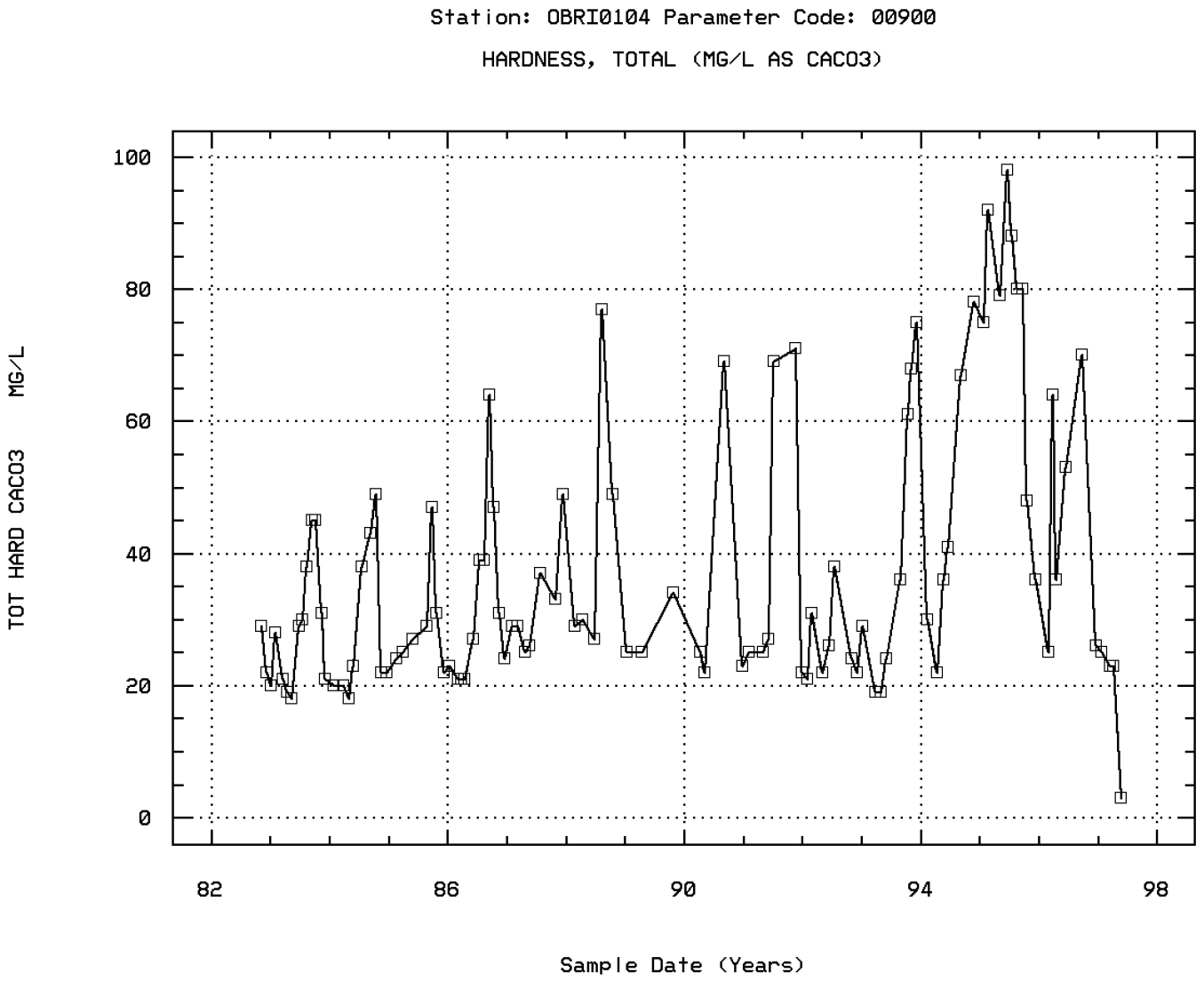
OBED RIVER DOWNSTREAM OF ADAMS BRIDGE



OBED RIVER DOWNSTREAM OF ADAMS BRIDGE



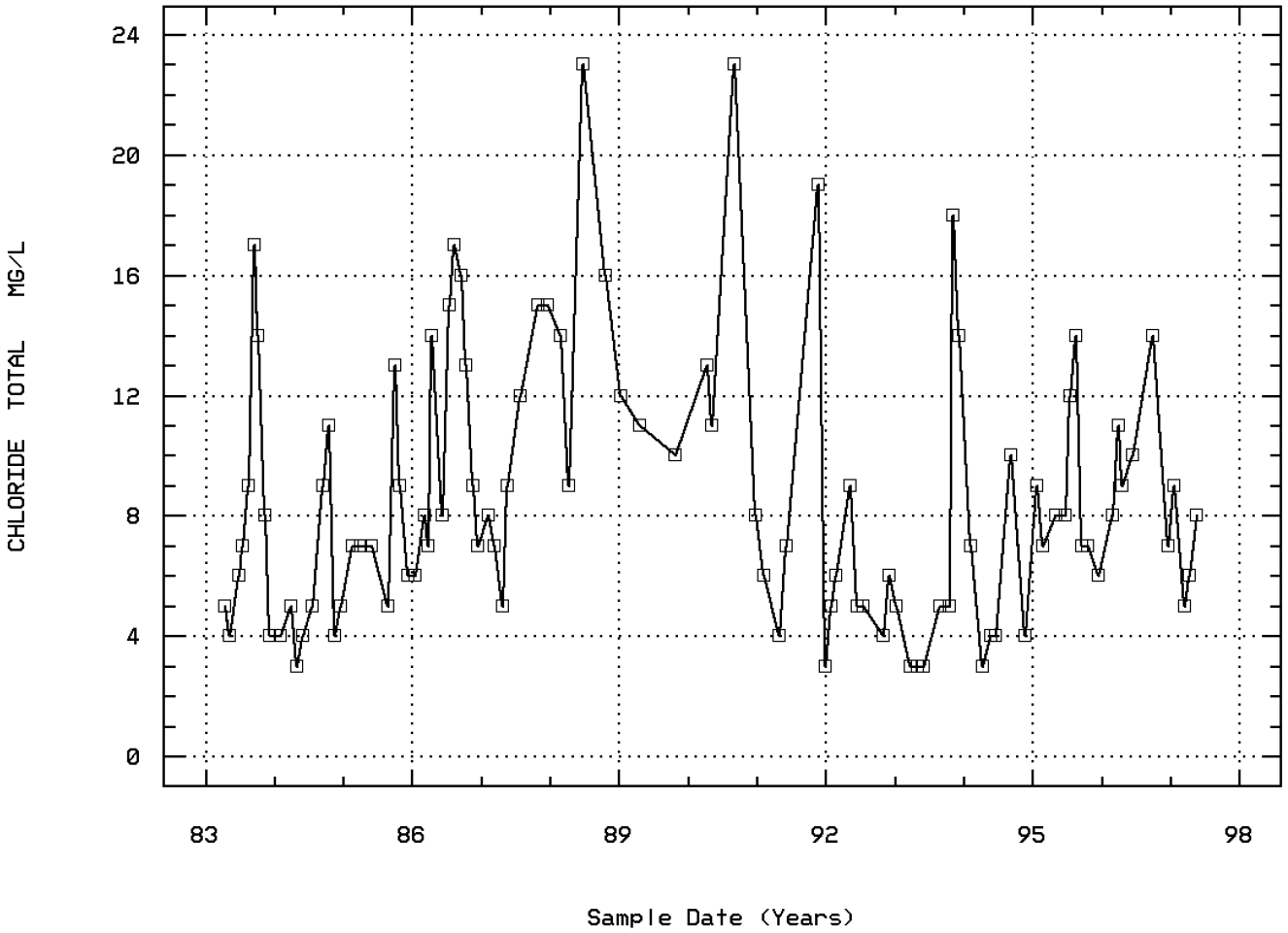
OBED RIVER DOWNSTREAM OF ADAMS BRIDGE



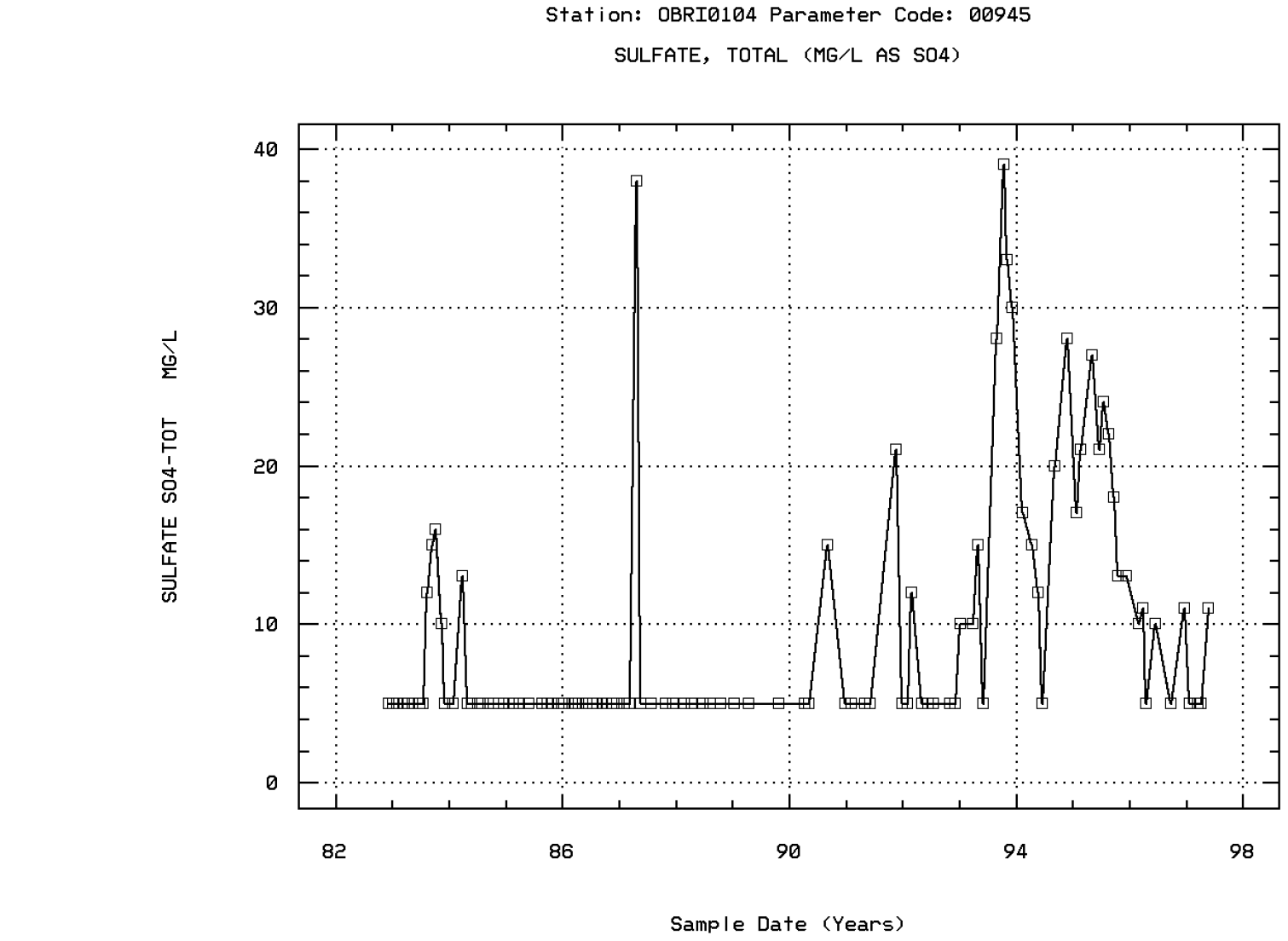
OBED RIVER DOWNSTREAM OF ADAMS BRIDGE

Station: OBRI0104 Parameter Code: 00940

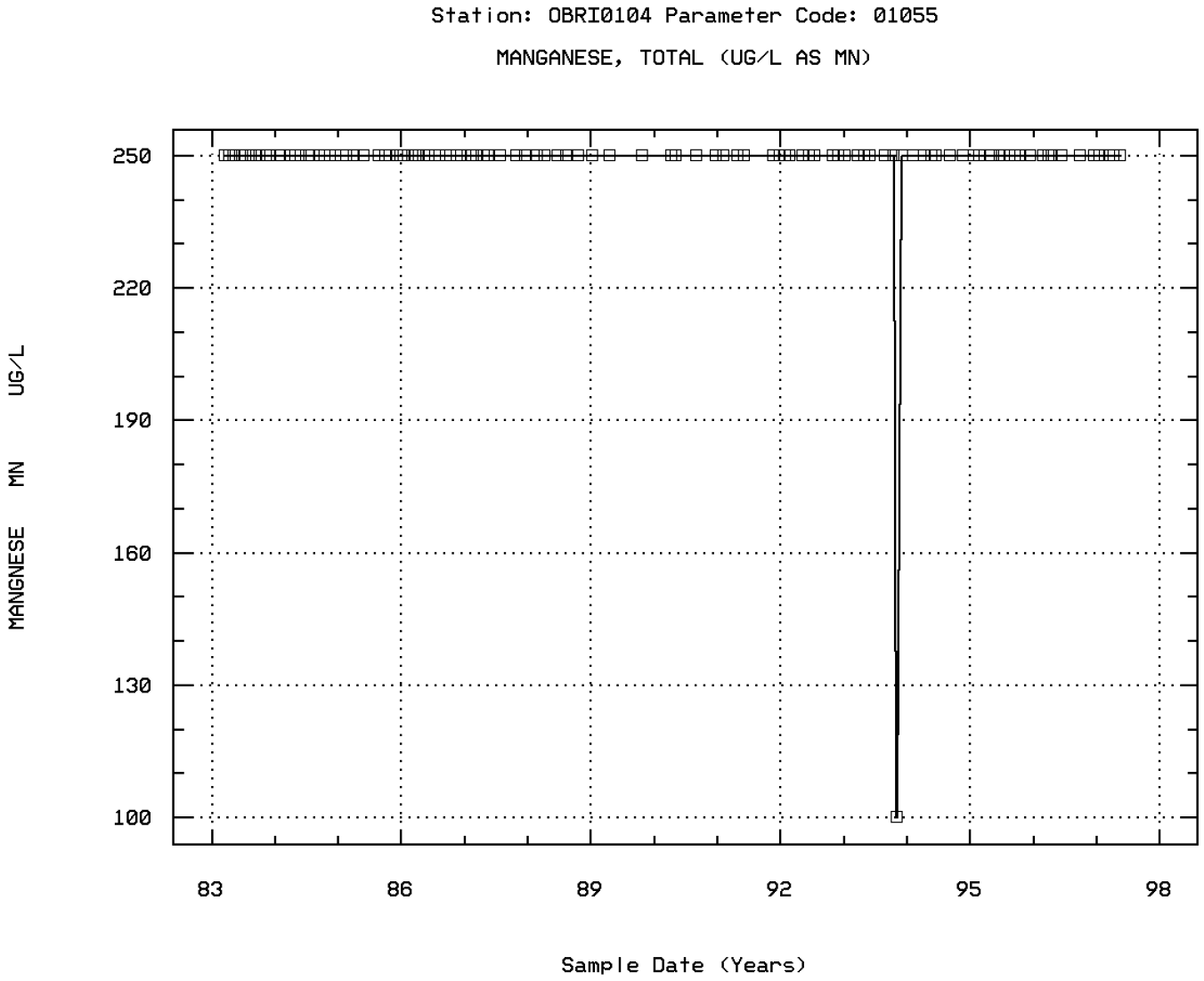
CHLORIDE,TOTAL IN WATER



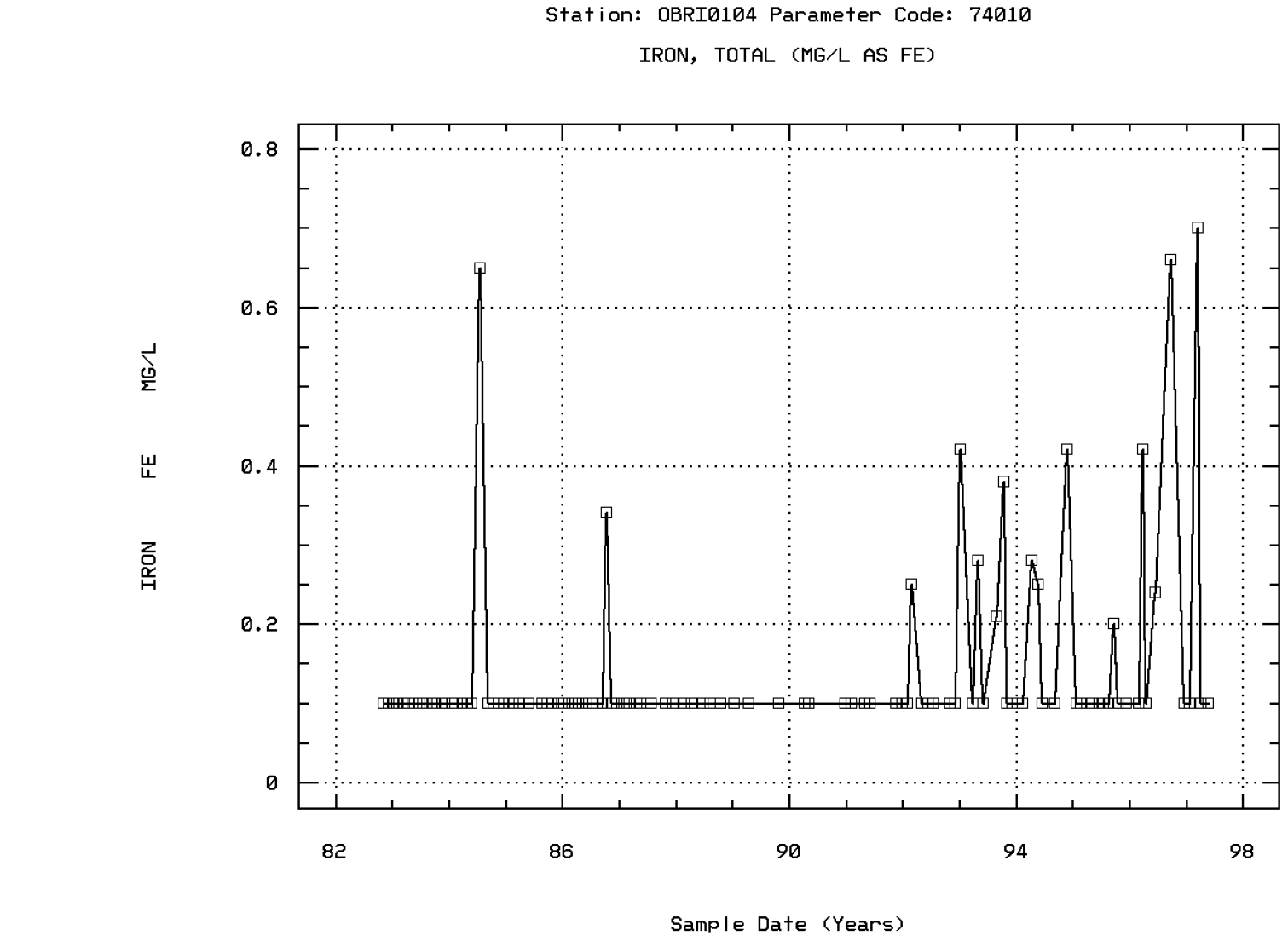
OBED RIVER DOWNSTREAM OF ADAMS BRIDGE



OBED RIVER DOWNSTREAM OF ADAMS BRIDGE



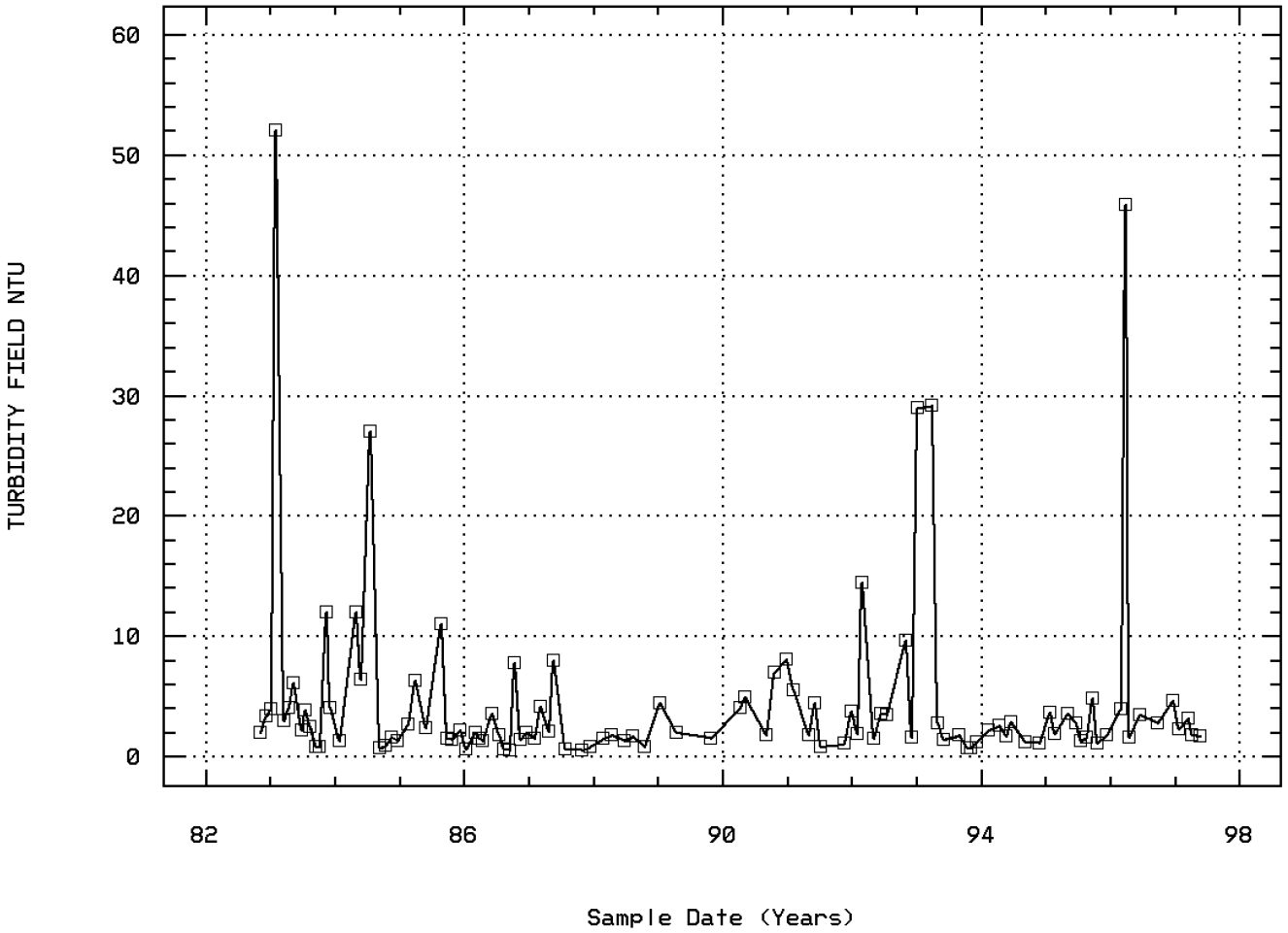
OBED RIVER DOWNSTREAM OF ADAMS BRIDGE



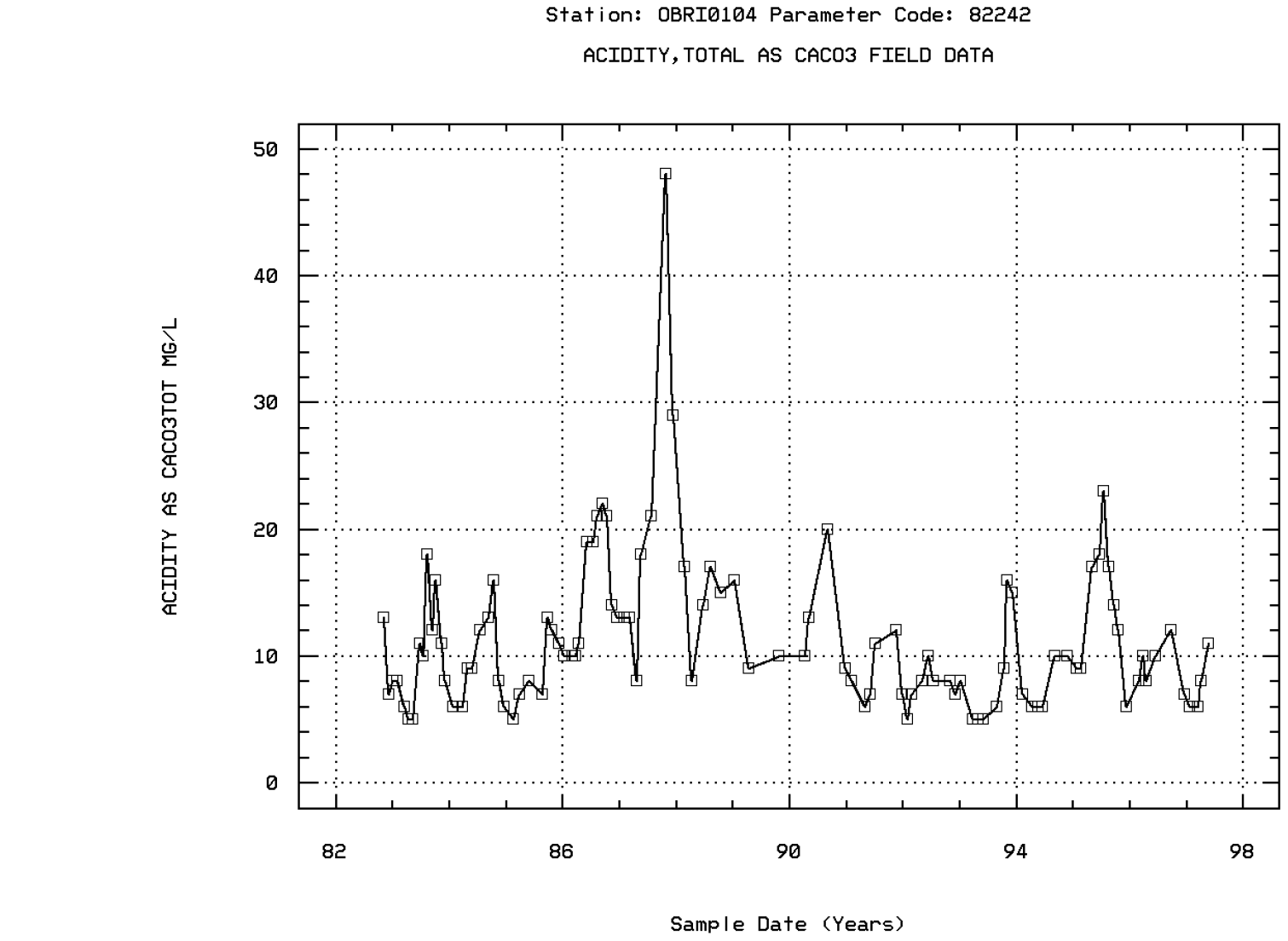
OBED RIVER DOWNSTREAM OF ADAMS BRIDGE

Station: OBRI0104 Parameter Code: 82078

TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY



OBED RIVER DOWNSTREAM OF ADAMS BRIDGE



OBED RIVER DOWNSTREAM OF ADAMS BRIDGE

Annual Analysis for 1982 - Station OBRI0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	2	8.55	8.55	9.5	7.6	1.805	1.344	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	2	72.5	72.5	85.	60.	312.5	17.678	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	2	17.5	17.5	22.	13.	40.5	6.364	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	2	25.5	25.5	29.	22.	24.5	4.95	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	2	10.	10.	13.	7.	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 box-and-whisker plot

Annual Analysis for 1983 - Station OBRI0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	12	13.05	14.175	23.5	5.2	44.017	6.635	5.47	7.85	21.55	23.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	11	56.	89.636	195.	17.	3453.855	58.77	23.4	53.	135.	193.4
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	12	20.5	24.	50.	10.	222.364	14.912	10.3	11.25	36.25	50.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	12	28.5	28.75	45.	18.	93.477	9.668	18.3	20.25	36.25	45.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	7.	8.222	17.	4.	20.444	4.522	4.	4.5	11.5	17.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	12 ##	5.	7.75	16.	5.	18.568	4.309	5.	5.	11.5	15.7
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	10 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	12 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	12	9.	9.833	18.	5.	16.697	4.086	5.	6.5	11.75	17.4

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

Annual Analysis for 1984 - Station OBRI0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	9	13.8	12.789	19.6	2.6	32.389	5.691	2.6	8.35	18.25	19.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	9	65.	79.222	158.	51.	1106.194	33.26	51.	59.5	94.	158.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	16.	22.444	47.	9.	217.778	14.757	9.	10.5	38.	47.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	22.	28.333	49.	18.	136.25	11.673	18.	20.	40.5	49.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	5.	5.556	11.	3.	7.028	2.651	3.	4.	7.	11.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	9 ##	5.	5.889	13.	5.	7.111	2.667	5.	5.	5.	13.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	9 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	9 ##	0.1	0.161	0.65	0.1	0.034	0.183	0.1	0.1	0.1	0.65
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	9	9.	9.444	16.	6.	12.528	3.539	6.	6.	12.5	16.

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

Annual Analysis for 1985 - Station OBRI0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	13.7	13.457	19.4	4.1	28.876	5.374	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	7	82.	96.143	175.	66.	1349.81	36.74	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	20.	22.	43.	12.	106.	10.296	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	27.	29.286	47.	22.	70.238	8.381	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	7.	7.714	13.	5.	6.905	2.628	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	8.	9.	13.	5.	9.	3.	**	**	**	**

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

Annual Analysis for 1986 - Station OBRI0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	11	12.8	13.318	23.4	0.5	55.532	7.452	1.2	7.4	19.7	23.08
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	11	75.	94.	200.	11.	3048.4	55.212	17.8	66.	140.	192.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	11	18.	24.636	55.	13.	195.455	13.981	13.2	14.	33.	52.2
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	11	27.	32.455	64.	21.	187.873	13.707	21.	21.	39.	60.6
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	11	9.	10.909	17.	6.	16.891	4.11	6.2	7.	15.	16.8
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	11 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	11 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	11 ##	0.1	0.122	0.34	0.1	0.005	0.072	0.1	0.1	0.1	0.292
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	11	14.	15.455	22.	10.	24.673	4.967	10.	10.	21.	21.8

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Annual Analysis for 1987 - Station OBRI0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	7	10.7	12.814	25.	3.9	65.398	8.087	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	87.	92.667	150.	60.	1199.467	34.633	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	25.	24.857	43.	12.	127.81	11.305	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	29.	32.571	49.	25.	69.286	8.324	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	9.	10.143	15.	5.	15.476	3.934	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7 ##	5.	9.714	38.	5.	155.571	12.473	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	18.	21.429	48.	8.	182.952	13.526	**	**	**	**

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Annual Analysis for 1988 - Station OBRI0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	5	12.1	14.8	23.1	5.1	62.37	7.897	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	5	129.	108.4	150.	62.	1703.3	41.271	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	5	31.	27.2	42.	12.	172.7	13.142	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	5	30.	42.4	77.	27.	452.8	21.279	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	4	15.	15.5	23.	9.	33.667	5.802	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	5 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	5	15.	14.2	17.	8.	13.7	3.701	**	**	**	**

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Annual Analysis for 1989 - Station OBRI0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	3	9.9	9.167	11.3	6.3	6.653	2.579	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	3	64.	63.	65.	60.	7.	2.646	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	3	21.	24.	31.	20.	37.	6.083	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	3	25.	28.	34.	25.	27.	5.196	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	3	11.	11.	12.	10.	1.	1.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	3 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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Annual Analysis for 1989 - Station OBRI0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	3	10.	11.667	16.	9.	14.333	3.786	**	**	**	**

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Annual Analysis for 1990 - Station OBRI0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	5	13.	12.88	23.	5.3	43.617	6.604	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	5	45.	81.	215.	30.	5892.5	76.763	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	19.	31.	68.	18.	608.667	24.671	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	24.	34.75	69.	22.	522.917	22.867	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	4	12.	13.75	23.	8.	42.25	6.5	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	4 ##	5.	7.5	15.	5.	25.	5.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	4 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	4	11.5	13.	20.	9.	24.667	4.967	**	**	**	**

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Annual Analysis for 1991 - Station OBRI0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	5	16.1	16.24	24.	5.4	59.513	7.714	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	5	90.	97.	170.	40.	2695.	51.913	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	22.	32.833	67.	16.	456.167	21.358	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	26.	39.833	71.	22.	548.967	23.43	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	5	6.	7.8	19.	3.	41.7	6.458	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	5 ##	5.	8.2	21.	5.	51.2	7.155	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	5 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	6	7.5	8.5	12.	6.	5.9	2.429	**	**	**	**

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Annual Analysis for 1992 - Station OBRI0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	6	11.	10.967	19.4	5.2	27.591	5.253	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	50.	49.167	60.	40.	74.167	8.612	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	22.	20.714	26.	16.	13.905	3.729	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	7	24.	26.286	38.	21.	38.238	6.184	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	7	5.	5.714	9.	4.	2.571	1.604	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	7 ##	5.	6.	12.	5.	7.	2.646	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	7 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	7 ##	0.1	0.121	0.25	0.1	0.003	0.057	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	7	8.	7.571	10.	5.	2.286	1.512	**	**	**	**

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Annual Analysis for 1993 - Station OBRI0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	8	10.8	11.95	18.4	8.1	17.643	4.2	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	8	105.	111.25	180.	30.	3641.071	60.341	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	8	36.	39.25	76.	13.	690.786	26.283	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	8	32.5	41.375	75.	19.	529.982	23.021	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	8	5.	7.	18.	3.	32.857	5.732	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	8	21.5	21.25	39.	5.	161.643	12.714	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	8 ##	250.	231.25	250.	100.	2812.5	53.033	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	8 ##	0.155	0.211	0.42	0.1	0.018	0.134	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	8	7.	8.625	16.	5.	20.268	4.502	**	**	**	**

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Annual Analysis for 1994 - Station OBRI0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	6	14.7	14.183	19.1	5.9	23.918	4.891	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	90.	108.333	200.	50.	3536.667	59.47	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	19.	27.333	52.	13.	282.267	16.801	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	38.5	45.667	78.	22.	484.267	22.006	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	6	4.	5.333	10.	3.	7.067	2.658	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	6	16.	16.167	28.	5.	59.767	7.731	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	6 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	6 ##	0.175	0.208	0.42	0.1	0.017	0.132	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	6	6.5	7.5	10.	6.	3.9	1.975	**	**	**	**

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Annual Analysis for 1995 - Station OBRI0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	9	17.1	14.611	25.6	1.8	70.384	8.389	1.8	6.65	22.1	25.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	9	120.	123.444	190.	70.	1538.028	39.218	70.	95.	160.	190.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	51.	49.111	70.	17.	304.861	17.46	17.	36.	66.	70.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	9	80.	75.111	98.	36.	412.861	20.319	36.	61.5	90.	98.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	9	8.	8.667	14.	6.	7.	2.646	6.	7.	10.5	14.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	9	21.	19.556	27.	13.	22.528	4.746	13.	15.	23.	27.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	9 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	9 ##	0.1	0.111	0.2	0.1	0.001	0.033	0.1	0.1	0.1	0.2
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	9	14.	13.889	23.	6.	29.111	5.395	6.	9.	17.5	23.

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Annual Analysis for 1996 - Station OBRI0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	6	11.65	12.917	21.6	6.2	33.974	5.829	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	6	83.5	91.167	150.	67.	951.767	30.851	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	20.	25.	44.	20.	92.4	9.612	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	6	44.5	45.667	70.	25.	377.867	19.439	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	6	9.5	9.833	14.	7.	6.167	2.483	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	6	10.	8.667	11.	5.	8.267	2.875	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	6 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	6 ##	0.17	0.27	0.66	0.1	0.052	0.229	**	**	**	**

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Annual Analysis for 1996 - Station OBRI0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	6	9.	9.167	12.	7.	3.367	1.835	**	**	**	**

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Annual Analysis for 1997 - Station OBRI0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	4	11.6	10.75	16.5	3.3	36.83	6.069	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	4	66.5	68.75	79.	63.	53.583	7.32	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	18.5	19.75	27.	15.	26.25	5.123	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	4	23.	18.5	25.	3.	107.667	10.376	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	4	7.	7.	9.	5.	3.333	1.826	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	4 ##	5.	6.5	11.	5.	9.	3.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	4 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	4 ##	0.1	0.25	0.7	0.1	0.09	0.3	**	**	**	**
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	4	7.	7.75	11.	6.	5.583	2.363	**	**	**	**

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

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station OBRI0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	22	19.65	20.523	25.6	13.7	10.097	3.178	16.41	18.075	23.425	24.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	22	145.	145.273	215.	80.	1495.065	38.666	90.1	117.5	178.	198.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	20	7.55	7.5	9.	6.3	0.656	0.81	6.5	6.75	8.15	8.77
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	17	7.2	7.224	7.9	6.6	0.122	0.349	6.68	7.	7.4	7.74
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	17	7.2	7.096	7.9	6.6	0.139	0.373	6.68	7.	7.4	7.74
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	17	0.063	0.08	0.251	0.013	0.004	0.066	0.018	0.04	0.103	0.21
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	23	44.	44.087	70.	20.	186.992	13.675	25.4	33.	52.	68.6
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	23	45.	52.826	88.	29.	336.059	18.332	32.4	38.	69.	80.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	21	12.	11.524	23.	5.	23.662	4.864	5.	7.	14.5	17.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	22 ##	5.	10.682	28.	5.	58.703	7.662	5.	5.	16.5	23.4
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	22 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	14	32.5	178.071	2060.	0.	294602.071	542.773	2.5	8.75	47.	1100.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	14	1.511	1.42	3.314	0.	0.587	0.766	0.349	0.925	1.671	2.73
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			26.302								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	13	525.	1818.385	13400.	70.	13163948.923	3628.216	70.	75.	1800.	9480.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	13	2.72	2.7	4.127	1.845	0.534	0.731	1.845	1.874	3.253	3.899
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			501.254								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	21 ##	0.1	0.174	0.66	0.1	0.029	0.17	0.1	0.1	0.15	0.588
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	23	1.7	3.504	27.	0.5	32.52	5.703	0.6	0.8	3.4	9.72
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	23	14.	14.913	23.	6.	26.174	5.116	7.4	11.	20.	21.6

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

Seasonal Analysis for Season #2: 10/15 to 3/14 - Station OBRI0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	46	7.5	8.093	17.6	0.5	13.93	3.732	3.72	5.375	10.75	12.72
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	44	66.	81.682	200.	11.	2163.571	46.514	40.	53.5	99.5	170.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	45	11.	10.78	13.5	5.9	2.728	1.652	8.46	9.9	11.95	12.9
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	42	7.1	7.021	7.6	6.3	0.13	0.361	6.4	6.875	7.225	7.5
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	42	7.1	6.863	7.6	6.3	0.156	0.395	6.4	6.875	7.225	7.5
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	42	0.079	0.137	0.501	0.025	0.018	0.134	0.032	0.06	0.134	0.398
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	46	18.	25.652	76.	9.	279.254	16.711	12.	15.	31.25	48.3
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	46	29.	35.304	92.	20.	347.105	18.631	21.	22.75	39.	72.2
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	42	7.	8.286	19.	3.	16.014	4.002	4.	5.75	9.25	15.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	45 ##	5.	9.667	39.	5.	72.773	8.531	5.	5.	11.5	23.8
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	42 ##	250.	246.429	250.	100.	535.714	23.146	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	33	20.	73.	636.	0.	19725.	140.446	2.	6.5	76.	163.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	33	1.301	1.333	2.803	0.	0.522	0.722	0.301	0.812	1.88	2.212
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			21.552								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	32	53.	2983.375	86800.	1.	234190444.048	15303.282	1.9	20.	329.5	1708.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	32	1.724	1.84	4.939	0.	1.108	1.053	0.181	1.301	2.517	3.232
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			69.215								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	46 ##	0.1	0.123	0.42	0.1	0.006	0.079	0.1	0.1	0.1	0.145
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	47	2.	4.611	52.	0.5	72.787	8.532	0.78	1.3	4.	10.08
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	46	9.	11.13	48.	5.	49.405	7.029	6.	7.	13.	16.

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/82-05/19/97	37	13.9	14.986	23.1	8.4	19.068	4.367	9.06	12.05	18.8	21.78
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/10/82-05/19/97	37	68.	73.135	150.	30.	533.342	23.094	48.2	60.	90.	100.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/10/82-05/19/97	35	9.8	9.706	11.7	6.2	1.982	1.408	7.82	8.4	10.9	11.38

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

Seasonal Analysis for Season #3: 3/15 to 6/30 - Station OBRI0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00406	PH, FIELD, STANDARD UNITS SU	11/10/82-05/19/97	37	7.	6.986	7.6	6.5	0.073	0.27	6.6	6.8	7.2	7.32
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/10/82-05/19/97	37	7.	6.908	7.6	6.5	0.079	0.281	6.6	6.8	7.2	7.32
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/10/82-05/19/97	37	0.1	0.124	0.316	0.025	0.006	0.076	0.048	0.063	0.158	0.251
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	37	19.	20.351	63.	10.	105.679	10.28	11.	14.	22.5	27.8
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/10/82-05/19/97	37	25.	29.432	98.	3.	310.641	17.625	18.8	21.	28.	55.2
00940	CHLORIDE,TOTAL IN WATER MG/L	04/14/83-05/19/97	36	7.	7.25	23.	3.	16.079	4.01	3.	4.	9.	11.6
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/82-05/19/97	37 ##	5.	8.459	38.	5.	50.589	7.113	5.	5.	10.5	16.2
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/83-05/19/97	37 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	27	25.	69.889	545.	7.	14923.026	122.16	9.	15.	50.	298.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/83-05/19/97	27	1.398	1.52	2.736	0.845	0.223	0.473	0.954	1.176	1.699	2.474
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			33.129								
31671	FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	05/10/83-05/19/97	26	112.	912.154	17800.	0.	12083814.935	3476.178	2.1	37.5	252.5	1104.
31671	LOG FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48H	05/10/83-05/19/97	26	2.048	1.949	4.25	0.	0.871	0.933	0.334	1.571	2.402	2.928
31671	GM FECAL STREPTOCOCCI,PLATE COUNT KF AGAR,35C,48HR	GEOMETRIC MEAN =			88.95								
74010	IRON, TOTAL (MG/L AS FE)	11/10/82-05/19/97	37 ##	0.1	0.142	0.7	0.1	0.014	0.118	0.1	0.1	0.1	0.28
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/10/82-05/19/97	36	2.85	5.236	45.9	1.3	71.971	8.484	1.47	1.8	4.3	9.2
82242	ACIDITY,TOTAL AS CACO3 FIELD DATA MG/L	11/10/82-05/19/97	37	8.	9.135	19.	5.	15.009	3.874	5.	6.	10.5	17.2

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

Station Inventory for Station: OBRI0105

NPS Station ID: OBRI0105
LAT/LON: 36.061615/ -84.961615
Agency: 11NPSWRD
Date Created: 07/04/98
Location: OBED RIVER AT ADAMS BRIDGE
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_NPS_O2
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE FOX CREEK TN-CUMBERLAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS OUTSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT THE OBED RIVER NEAR ADAMS BRIDGE AT STREAM MILE 24.9. DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSEE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NPS WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0105

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/16/79-09/30/80	5	14.	12.2	23.	0.	75.2	8.672	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	11/16/79-09/30/80	5	20.	9.	23.	-12.	223.5	14.95	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/16/79-09/30/80	5	46.	76.	190.	29.	4275.5	65.387	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	11/16/79-09/30/80	4	9.3	9.6	13.6	6.2	15.653	3.956	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	11/16/79-09/30/80	5	6.7	6.86	8.5	5.7	1.033	1.016	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	11/16/79-09/30/80	5	6.7	6.283	8.5	5.7	1.45	1.204	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/16/79-09/30/80	5	0.2	0.522	1.995	0.003	0.687	0.829	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	5	11.	10.2	15.	2.	23.7	4.868	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/03/80-09/30/80	3 ##	0.	9.667	29.	0.	280.333	16.743	**	**	**	**
00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	02/29/80-09/30/80	4	0.12	0.148	0.3	0.05	0.012	0.112	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/29/80-06/07/80	3	0.32	0.243	0.36	0.05	0.028	0.169	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/16/79-09/30/80	5	0.04	0.071	0.15	0.02	0.004	0.06	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/80-06/08/80	1 ##	0.375	0.375	0.375	0.375	0.	0.	**	**	**	**
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	02/29/80-09/30/80	3	0.05	0.042	0.05	0.025	0.	0.014	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/16/79-09/30/80	5	14.	15.4	22.	11.	16.8	4.099	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/08/80-06/08/80	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/08/80-06/08/80	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	06/08/80-06/08/80	1	2.73	2.73	2.73	2.73	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	06/08/80-06/08/80	1	1.68	1.68	1.68	1.68	0.	0.	**	**	**	**

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

Parameter Inventory for Station: OBRI0105

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	02/29/80-09/30/80	4	4.	5.	9.	3.	8.	2.828	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	06/08/80-06/08/80	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/08/80-06/08/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	02/29/80-09/30/80	5 ##	1.	3.8	15.	1.	39.2	6.261	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	06/08/80-06/08/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/16/79-09/30/80	6 ##	2.5	7.917	35.	2.5	176.042	13.268	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	02/29/80-09/30/80	5	220.	294.	670.	120.	46780.	216.287	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	02/29/80-09/30/80	5 ##	5.	354.	1750.	5.	609005.	780.388	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/08/80-06/08/80	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/08/80-06/08/80	1 ##	30.	30.	30.	30.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/16/79-06/08/80	4 ##	25.25	75.25	250.	0.5	14116.75	118.814	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	02/29/80-09/30/80	5	290.	690.	1850.	80.	585050.	764.886	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	11/16/79-09/30/80	4	1.4	2.2	5.7	0.3	5.773	2.403	**	**	**	**
31611	FECAL COLIFORM, MF, M-TEC #/100ML	11/16/79-11/16/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31611	LOG FECAL COLIFORM, MF, M-TEC #/1	11/16/79-11/16/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31611	GM FECAL COLIFORM, MF, M-TEC #/10	GEOMETRIC MEAN =			1.								
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	11/16/79-09/30/80	4	152.	216.	560.	0.	64130.667	253.24	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	11/16/79-09/30/80	4	2.065	1.72	2.748	0.	1.492	1.221	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			52.436								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	2	125.5	125.5	134.	117.	144.5	12.021	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/29/80-05/03/80	2	2.098	2.098	2.127	2.068	0.002	0.042	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			125.212								
38745	2,4-DB WATER, TOTUG/L	06/08/80-06/08/80	1 ##	1.95	1.95	1.95	1.95	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/08/80-06/08/80	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39720	PICLORAM IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39755	MIREX, TOTAL (UG/L)	06/08/80-06/08/80	1 ##	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/08/80-06/08/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	11/16/79-09/30/80	5	0.4	0.42	0.7	0.1	0.047	0.217	**	**	**	**
71855	NITRITE NITROGEN,TOTAL (MG/L AS NO2)	11/16/79-11/16/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/07/80-09/30/80	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
82052	BANVEL (DICAMBA) WHOLE WATER,UG/L	06/08/80-06/08/80	1 ##	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11/16/79-09/30/80	5	3.	3.	5.	1.	2.5	1.581	**	**	**	**
82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	02/29/80-06/07/80	3	0.08	0.067	0.1	0.02	0.002	0.042	**	**	**	**

** - 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: OBRI0105

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	5	1	0.20	1	0	0.00	2	0	0.00	2	1	0.50			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	1	1.00							1	1	1.00			
		Drinking Water	5.	1	1	1.00							1	1	1.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5 &	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	1300.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	4 &	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	15.	4 &	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3 &	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	5000.	4	0	0.00				2	0	0.00	2	0	0.00			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	4	2	0.50	1	1	1.00	2	1	0.50	1	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00							1	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00							1	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00							1	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00							1	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00							1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00							1	0	0.00			
		Drinking Water	3.	1	0	0.00							1	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.4	1	0	0.00							1	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00							1	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	1	0	0.00							1	0	0.00			
39720	PICLORAM IN WHOLE WATER SAMPLE	Drinking Water	500.	1	0	0.00							1	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00							1	0	0.00			
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	1	0	0.00				1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	2.	2	0	0.00	1	0	0.00				1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	5	0	0.00	1	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: OBRI0106

NPS Station ID: OBRI0106
LAT/LON: 36.061670/ -84.961670
Agency: 131TVAC
Date Created: / /
Location: ADAMS BRIDGE
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475139 /3554
RMI-Indexes: 1021500 007720 00920 7930 0250 1010
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 024.89
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: CLINCH RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: OBED RIVER 24.89
ECO Region:
RF1 Index: 06010208013
RF1 Mile Point: 8.860
Distance from RF1: 0.40
On/Off RF1: OFF
RF3 Index: 06010208001316.73
RF3 Mile Point: 17.42
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-03/17/76	19	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-03/17/76	18	16.6	14.817	24.	0.3	58.543	7.651	3.54	6.75	21.5	23.82
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/67-03/17/76	29	40.	113.345	570.	2.	21967.52	148.214	7.	19.	145.	420.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/23/67-03/17/76	15	3.	8.473	25.	1.	84.149	9.173	1.12	2.	10.	25.
00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-03/17/76	16	12.5	16.688	40.	1.	194.763	13.956	1.	5.	28.75	40.
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	11/05/73-03/17/76	14	15.	19.071	40.	6.	123.456	11.111	6.	10.	30.	37.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/67-03/17/76	16	62.	81.688	270.	38.	3538.363	59.484	40.1	41.25	98.75	172.
00300	OXYGEN, DISSOLVED MG/L	06/23/67-03/17/76	17	9.1	9.659	13.5	6.7	4.146	2.036	7.58	8.05	12.05	12.86
00304	BOD, 2 DAY, 20 DEG C MG/L	06/23/67-06/23/67	1	## 0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-03/17/76	16	## 0.5	1.069	2.9	0.5	0.582	0.763	0.5	0.5	1.725	2.27
00335	COD, .025N K2CR2O7 MG/L	06/23/67-03/17/76	11	9.	11.182	28.	3.	45.364	6.735	3.6	8.	13.	26.
00400	PH (STANDARD UNITS)	06/23/67-03/17/76	18	6.95	6.994	7.9	5.7	0.339	0.583	6.06	6.75	7.425	7.72
00400	CONVERTED PH (STANDARD UNITS)	06/23/67-03/17/76	18	6.947	6.579	7.9	5.7	0.522	0.723	6.06	6.75	7.425	7.72
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/67-03/17/76	18	0.113	0.264	1.995	0.013	0.232	0.481	0.019	0.038	0.182	0.914
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/23/67-03/17/76	14	8.5	8.929	20.	0.	24.379	4.938	2.	5.	12.25	17.
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/23/67-03/17/76	25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500	RESIDUE, TOTAL (MG/L)	06/23/67-04/23/68	8	50.	61.25	140.	20.	1526.786	39.074	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/23/67-04/23/68	8	45.	48.75	90.	20.	669.643	25.877	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/10/76-03/17/76	2	## 1.75	1.75	3.	0.5	3.125	1.768	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/67-03/17/76	16	0.225	0.262	0.86	0.005	0.038	0.194	0.03	0.155	0.335	0.538
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/67-03/17/76	16	## 0.005	0.019	0.07	0.005	0.001	0.024	0.005	0.005	0.035	0.063
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/23/67-11/02/71	14	## 0.008	0.012	0.03	0.005	0.	0.009	0.005	0.005	0.02	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/23/67-11/02/71	14	0.195	0.226	0.43	0.03	0.016	0.127	0.045	0.155	0.328	0.43
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/10/76-03/17/76	2	0.48	0.48	0.57	0.39	0.016	0.127	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/67-03/17/76	18	0.079	0.099	0.271	0.005	0.005	0.072	0.028	0.041	0.148	0.209
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/67-03/17/76	11	0.039	0.056	0.163	0.01	0.002	0.049	0.013	0.029	0.05	0.158
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/71-11/02/71	5	0.17	0.152	0.258	0.059	0.006	0.078	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/23/67-03/17/76	17	5.	5.706	12.	1.5	8.658	2.942	2.3	3.75	7.	11.2
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/67-03/17/76	17	1.	1.35	4.5	0.25	0.794	0.891	0.69	1.	1.5	2.34
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-03/17/76	16	2.35	3.075	6.9	0.9	3.93	1.982	0.97	1.55	4.7	6.55
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-03/17/76	16	2.15	3.025	17.	0.6	15.182	3.896	0.74	1.1	3.2	8.04
00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-03/17/76	18	6.	5.806	11.	0.5	9.269	3.044	1.85	3.	7.5	11.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-03/17/76	18	5.5	6.167	12.	3.	4.971	2.229	3.9	5.	6.5	10.2
00951	FLUORIDE, TOTAL (MG/L AS F)	02/10/76-03/17/76	2	## 0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/10/76-03/17/76	2	2.75	2.75	3.	2.5	0.125	0.354	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-09/04/74	21	2.9	3.176	8.7	0.2	3.041	1.744	1.72	2.2	3.55	6.04
01042	COPPER, TOTAL (UG/L AS CU)	06/23/67-04/23/68	8	## 7.5	15.	40.	5.	185.714	13.628	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/23/67-03/17/76	12	235.	295.	640.	80.	25663.636	160.199	101.	212.5	347.5	613.

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

Parameter Inventory for Station: OBRI0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01046	IRON, DISSOLVED (UG/L AS FE)	07/25/67-03/17/76	11	120.	114.545	200.	25.	3282.273	57.291	25.	50.	150.	192.
01047	IRON, FERROUS (UG/L AS FE)	07/25/67-04/23/68	9	50.	50.	150.	25.	1562.5	39.528	25.	25.	50.	150.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/67-03/17/76	10	40.	309.	2700.	10.	706743.333	840.68	11.	20.	75.	2442.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/25/67-03/17/76	9	20.	18.889	40.	10.	86.111	9.28	10.	10.	20.	40.
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/67-04/23/68	9	70.	85.	300.	5.	8325.	91.241	5.	15.	115.	300.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/23/67-02/10/76	7	70.	258.571	1340.	10.	230780.952	480.397	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	06/23/67-02/10/76	7	1.845	1.954	3.127	1.	0.415	0.645	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			89.85								
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/23/67-04/23/68	9	5000.	7357.778	39000.	340.	147500944.444	12144.997	340.	490.	6200.	39000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/23/67-04/23/68	9	3.699	3.434	4.591	2.531	0.475	0.689	2.531	2.674	3.792	4.591
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2718.602								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/23/68	9	94.	357.889	1600.	1.	334533.861	578.389	1.	31.5	630.	1600.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/23/68	9	1.973	1.803	3.204	0.	1.284	1.133	0.	0.896	2.623	3.204
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			63.501								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/23/67-02/10/76	7	20.	31.429	80.	5.	972.619	31.187	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/23/67-02/10/76	7	1.301	1.275	1.903	0.699	0.25	0.5	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18.832								
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/23/67-03/17/76	28	19.	22.286	42.	8.	112.508	10.607	11.8	14.	30.75	41.1
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/10/76-03/17/76	2	35.	35.	40.	30.	50.	7.071	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0106

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	15	0	0.00	6	0	0.00	6	0	0.00	3	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	17	0	0.00	8	0	0.00	6	0	0.00	3	0	0.00			
00400	PH	Fresh Chronic	9.	18	0	0.00	9	0	0.00	6	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	18	3	0.17	9	3	0.33	6	0	0.00	3	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	14	0	0.00	7	0	0.00	5	0	0.00	2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	14	0	0.00	7	0	0.00	5	0	0.00	2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00				1	0	0.00	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	18	0	0.00	9	0	0.00	6	0	0.00	3	0	0.00			
		Drinking Water	250.	18	0	0.00	9	0	0.00	6	0	0.00	3	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	18	0	0.00	9	0	0.00	6	0	0.00	3	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00				1	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	3	0.38	3	0	0.00	3	1	0.33	2	2	1.00			
		Drinking Water	1300.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	9	2	0.22	3	0	0.00	4	2	0.50	2	0	0.00			
		Drinking Water	5000.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	7	1	0.14	4	1	0.25	2	0	0.00	1	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	9	6	0.67	3	1	0.33	4	3	0.75	2	2	1.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	9	2	0.22	3	1	0.33	4	1	0.25	2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	7	0	0.00	4	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: OBRI0107

NPS Station ID: OBRI0107
LAT/LON: 36.061670/ -84.961670
Agency: 112WRD
Date Created: / /
Location: OBED RIVER AT ADAMS BRIDGE, NEAR CROSSVILLE TENN
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03538840
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208013
RF1 Mile Point: 8.860
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 06010208001507.92
RF3 Mile Point: 8.03
Distance from RF3: 0.06
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/05/73-09/04/74	12	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/73-09/04/74	12	15.3	14.708	25.	5.6	34.179	5.846	5.75	9.725	18.9	23.5
00070	TURBIDITY, (JACKSON CANDLE UNITS)	11/05/73-09/04/74	12	3.55	4.825	12.	1.5	11.449	3.384	1.5	2.6	7.275	11.4
00080	COLOR (PLATINUM-COBALT UNITS)	11/05/73-09/04/74	12	12.5	13.542	35.	2.5	91.43	9.562	3.25	5.	18.75	32.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/73-09/04/74	12	50.	76.667	130.	36.	1794.606	42.363	36.9	40.	127.5	130.
00300	OXYGEN, DISSOLVED MG/L	11/05/73-09/04/74	12	9.7	9.325	12.4	7.	3.128	1.768	7.03	7.525	10.3	12.16
00335	COD, .025N K2CR2O7 MG/L	02/05/74-09/04/74	9	8.	8.556	16.	3.	21.278	4.613	3.	4.	13.	16.
00400	PH (STANDARD UNITS)	11/05/73-09/04/74	12	6.05	6.025	7.	5.1	0.282	0.531	5.22	5.575	6.375	6.85
00400	CONVERTED PH (STANDARD UNITS)	11/05/73-09/04/74	12	5.982	5.75	7.	5.1	0.365	0.604	5.22	5.575	6.375	6.85
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/73-09/04/74	12	1.043	1.778	7.943	0.1	4.882	2.21	0.165	0.424	2.768	6.509
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/05/73-09/04/74	12	7.	17.375	53.	0.5	367.415	19.168	0.65	5.25	33.75	52.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/05/73-09/04/74	12	4.5	5.333	11.	2.	11.879	3.447	2.	2.	8.75	10.4
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/05/73-09/04/74	12	0.225	0.229	0.54	0.015	0.027	0.165	0.015	0.103	0.383	0.501
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/05/73-09/04/74	12	0.02	0.029	0.11	0.005	0.001	0.031	0.005	0.006	0.045	0.095
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/05/73-09/04/74	12	0.25	0.362	1.4	0.025	0.149	0.385	0.042	0.11	0.37	1.226
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/05/73-12/10/73	2 ##	0.208	0.208	0.4	0.015	0.074	0.272	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/15/74-09/04/74	10	0.045	0.073	0.29	0.005	0.007	0.085	0.007	0.028	0.082	0.276
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/05/73-09/04/74	12	17.5	24.833	42.	13.	166.697	12.911	13.	14.	40.5	42.
00916	CALCIUM, TOTAL (MG/L AS CA)	11/05/73-09/04/74	12	5.5	8.	14.	4.	20.909	4.573	4.	4.	13.75	14.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/05/73-09/04/74	12	1.	1.192	1.7	0.8	0.137	0.37	0.8	0.9	1.575	1.7
00929	SODIUM, TOTAL (MG/L AS NA)	11/05/73-09/04/74	12	1.5	3.442	12.	1.1	12.152	3.486	1.13	1.325	6.325	10.5
00937	POTASSIUM, TOTAL MG/L AS K)	11/05/73-09/04/74	12	1.	1.842	3.6	0.9	1.266	1.125	0.9	0.9	2.975	3.45
00940	CHLORIDE,TOTAL IN WATER MG/L	11/05/73-09/04/74	12	4.	6.5	14.	3.	15.	3.873	3.	4.	10.75	13.1
00945	SULFATE, TOTAL (MG/L AS SO4)	11/05/73-09/04/74	11	8.	8.	12.	5.	5.6	2.366	5.2	6.	10.	11.8
00951	FLUORIDE, TOTAL (MG/L AS F)	12/10/73-09/04/74	11	0.04	0.065	0.13	0.02	0.002	0.044	0.02	0.02	0.11	0.128
01045	IRON, TOTAL (UG/L AS FE)	11/05/73-09/04/74	12	345.	422.5	1000.	190.	49129.545	221.652	214.	275.	500.	898.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/05/73-09/04/74	12	35.	58.75	180.	5.	3832.386	61.906	5.	8.75	95.	177.
01105	ALUMINUM, TOTAL (UG/L AS AL)	11/05/73-01/15/74	3	500.	466.667	600.	300.	23333.333	152.753	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/05/73-09/04/74	12	30.	45.833	80.	20.	608.333	24.664	20.	30.	77.5	80.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/05/73-09/04/74	12	0.04	0.063	0.11	0.03	0.001	0.034	0.03	0.04	0.108	0.11

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

EPA Water Quality Criteria Analysis for Station: OBRI0107

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
00400	PH	Fresh Chronic	9.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	12	11	0.92	4	3	0.75	5	5	1.00	3	3	1.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
		Drinking Water	250.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	11	0	0.00	3	0	0.00	5	0	0.00	3	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	11	0	0.00	4	0	0.00	4	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: OBRI0108

NPS Station ID: OBRI0108 | LAT/LON: 36.060920/ -84.963337 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: OBED RIVER AT ADAMS BRIDGE | | FIPS State/County: 47035 TENNESSEE/CUMBERLAND |
Station Type: /TYPA/AMBNT/STREAM | | STORET Station ID(s): OBRI_TTU_OR |
RMI-Indexes: | | Within Park Boundary: No |
RMI-Miles: | | |
HUC: 06010208 | Depth of Water: 0 | Aquifer: |
Major Basin: TENNESSEE RIVER | Elevation: 0 | Water Body Id: |
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES | | ECO Region: |
RF1 Index: 06010208 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 06010208000109.53 | RF3 Mile Point: 9.53 | Distance from RF3: 0.48 | On/Off RF3:

Description:
THE STATION IS LOCATED ON THE FOX CREEK TN-CUMBERLAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED OUTSIDE OF THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES AT STREAM MILE 25.0 OF THE OBED RIVER NEAR ADAMS BRIDGE. DATA WERE COLLECTED AND ANALYZED AT THIS SITE FROM 1973 THROUGH 1974 BY JOHN RIDDLE; A GRADUATE STUDENT AT TENNESSEE TECHNOLOGICAL UNIVERSITY; USING A HACH KIT (DR-EL/2; MODEL NUMBER 2506-05). TEMPERATURE; DISSOLVED OXYGEN; AND PH WERE MEASURED IN THE FIELD; ALL OTHER MEASUREMENTS WERE TAKEN IMMEDIATELY UPON RETURN FROM THE FIELD. DATA WERE SUMMARIZED IN A FINAL REPORT TITLED "CUMBERLAND PLATEAU MUSKELLUNGE INVESTIGATION." FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	12/07/73-11/07/74	12	57.	57.417	73.	42.	96.629	9.83	42.6	50.5	65.5	72.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/07/73-11/07/74	12	10.	19.333	70.	2.	492.97	22.203	2.9	5.5	21.5	67.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/07/73-11/07/74	12	16.5	16.833	30.	8.	51.242	7.158	8.	9.75	23.25	28.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/07/73-11/07/74	12	10.5	11.083	14.	8.	3.72	1.929	8.3	10.	12.75	14.
00406	PH, FIELD, STANDARD UNITS SU	12/07/73-11/07/74	12	6.73	6.719	6.95	6.56	0.012	0.112	6.578	6.62	6.797	6.911
00406	CONVERTED PH, FIELD, STANDARD UNITS	12/07/73-11/07/74	12	6.73	6.707	6.95	6.56	0.013	0.113	6.578	6.62	6.797	6.911
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/07/73-11/07/74	12	0.186	0.197	0.275	0.112	0.002	0.048	0.124	0.159	0.24	0.265
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	12/07/73-11/07/74	12	20.	22.917	40.	15.	70.265	8.382	15.	15.	28.75	38.5
00435	ACIDITY, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	12	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/07/73-11/07/74	12	20.	23.333	40.	10.	115.152	10.731	10.	15.	33.75	40.
47002	ACIDITY, FREE (METHYL RED) (MG/L AS CACO3)	12/07/73-11/07/74	12 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

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

EPA Water Quality Criteria Analysis for Station: OBRI0108

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	12	2	0.17	4	0	0.00	5	1	0.20	3	1	0.33			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			

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

Station Inventory for Station: OBRI0109

NPS Station ID: OBRI0109
LAT/LON: 36.010559/ -84.995560
Agency: 12NSS
Date Created: 10/22/88
Location: WALLACE BRANCH
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 2C066039U /2X02C066039U
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 533
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 13.50
On/Off RF1:
RF3 Index: 06010208004701.56
RF3 Mile Point: 1.55
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: OBRI0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/28/86-04/28/86	1	18.5	18.5	18.5	18.5	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	04/28/86-04/28/86	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/28/86-04/28/86	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/28/86-04/28/86	1	51.	51.	51.	51.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/28/86-04/28/86	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/28/86-04/28/86	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/28/86-04/28/86	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/28/86-04/28/86	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/28/86-04/28/86	1	270.2	270.2	270.2	270.2	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/28/86-04/28/86	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/28/86-04/28/86	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/28/86-04/28/86	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/28/86-04/28/86	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/28/86-04/28/86	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/28/86-04/28/86	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/28/86-04/28/86	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/28/86-04/28/86	1	0.87	0.87	0.87	0.87	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/28/86-04/28/86	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/28/86-04/28/86	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**

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

Parameter Inventory for Station: OBRI0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/28/86-04/28/86	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/28/86-04/28/86	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/28/86-04/28/86	1	95.9	95.9	95.9	95.9	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/28/86-04/28/86	1	44.	44.	44.	44.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/28/86-04/28/86	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	04/28/86-04/28/86	1	119.91	119.91	119.91	119.91	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/28/86-04/28/86	1	1750.	1750.	1750.	1750.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/28/86-04/28/86	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
83509	STREAM, WIDTH METER	04/28/86-04/28/86	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0109

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/14---------- Obs	Exceed	Prop.	----------10/15-3/14---------- Obs	Exceed	Prop.	----------3/15-6/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
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			
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	0	0.00							1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
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: OBRI0110

NPS Station ID: OBRI0110
LAT/LON: 35.900281/ -84.998615
Agency: 21TNWQ
Date Created: 03/28/92
Location: BYRD LAKE @ DAM
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /RESERV/TYPA/AMBNT
STORET Station ID(s): BYRDLAKE
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 17
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: CLINCH RIVER
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.10
On/Off RF1:
RF3 Index: 06010208001602.56
RF3 Mile Point: 3.20
Distance from RF3: 0.02
On/Off RF3:
Description:
1991 CLEAN LAKES STATEWIDE ASSESSMENT LOCATION LOCATED IN CUMBERLAND STATE PARK

Parameter Inventory for Station: OBRI0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/19/91-12/11/91	6	16.6	16.6	25.1	7.8	55.272	7.435	**	**	**	**
00068	DEPTH, MAXIMUM, OF SAMPLE (FEET)	06/19/91-12/11/91	6	8.2	9.3	16.4	3.3	44.652	6.682	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/19/91-12/11/91	6	47.	47.	47.	47.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/19/91-12/11/91	6	53.	69.833	132.	44.	1198.567	34.62	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/19/91-12/11/91	6	7.8	5.933	9.9	0.3	18.627	4.316	**	**	**	**
00400	PH (STANDARD UNITS)	06/19/91-12/11/91	6	6.175	6.118	6.69	5.44	0.228	0.478	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/19/91-12/11/91	6	6.173	5.905	6.69	5.44	0.283	0.532	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/91-12/11/91	6	0.672	1.245	3.631	0.204	1.781	1.335	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/05/91-12/11/91	4	0.045	0.058	0.12	0.02	0.002	0.048	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/19/91-12/11/91	6	0.025	0.19	0.56	0.01	0.07	0.264	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	06/19/91-12/11/91	6	0.55	0.667	1.6	0.2	0.239	0.489	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/19/91-12/11/91	6 ##	0.005	0.055	0.25	0.005	0.01	0.098	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/19/91-12/11/91	4	10.	9.	12.	4.	12.667	3.559	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/05/91-09/05/91	1	4960.	4960.	4960.	4960.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/05/91-09/05/91	1	6540.	6540.	6540.	6540.	0.	0.	**	**	**	**
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	06/19/91-12/11/91	3	5.6	6.367	12.1	1.4	29.063	5.391	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/19/91-06/19/91	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0110

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	6	2	0.33	2	1	0.50	2	0	0.00	2	1	0.50			
00400	PH	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	4	0.67	2	1	0.50	2	2	1.00	2	1	0.50			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			

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

Station Inventory for Station: OBRI0111

NPS Station ID: OBRI0111 | LAT/LON: 36.001392/ -85.004449 | Agency: 12NSS | Date Created: 10/22/88
Location: WALLACE BRANCH | FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 2C066039L /2X02C066039L
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 06010208 | Depth of Water: 0 | Aquifer:
Major Basin: | Elevation: 527 | Water Body Id:
Minor Basin: | ECO Region:
RF1 Index: 06010208 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 06010208042600.00 | RF3 Mile Point: 0.87 | Distance from RF3: 0.07 | 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: OBRI0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/28/86-04/28/86	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	04/28/86-04/28/86	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/28/86-04/28/86	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/28/86-04/28/86	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/28/86-04/28/86	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/28/86-04/28/86	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/28/86-04/28/86	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/28/86-04/28/86	1	0.398	0.398	0.398	0.398	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/28/86-04/28/86	1	49.4	49.4	49.4	49.4	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/28/86-04/28/86	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/28/86-04/28/86	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/28/86-04/28/86	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/28/86-04/28/86	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/28/86-04/28/86	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/28/86-04/28/86	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/28/86-04/28/86	1	0.67	0.67	0.67	0.67	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/28/86-04/28/86	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/28/86-04/28/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/28/86-04/28/86	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**

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

Parameter Inventory for Station: OBRI0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/28/86-04/28/86	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/28/86-04/28/86	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/28/86-04/28/86	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/28/86-04/28/86	1	281.	281.	281.	281.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/28/86-04/28/86	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	04/28/86-04/28/86	1	37.97	37.97	37.97	37.97	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/28/86-04/28/86	1	1730.	1730.	1730.	1730.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/28/86-04/28/86	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
83509	STREAM, WIDTH METER	04/28/86-04/28/86	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0111

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/14---------- Obs	Exceed	Prop.	----------10/15-3/14---------- Obs	Exceed	Prop.	----------3/15-6/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
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			
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00							1	1	1.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
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: OBRI0112

NPS Station ID: OBRI0112
LAT/LON: 36.169170/ -85.028059
Agency: 131TVAC
Date Created: / /
Location: BELOW D.O. BEATY BRIDGE
FIPS State/County: 47129 TENNESSEE/MORGAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475621 /3590
RMI-Indexes: 1021500 007720 00920 7930 0250 1010 0160
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 004.43 29.00
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: CLINCH RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: CLEAR CREEK 29.00
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208002002.14
RF3 Mile Point: 2.13
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	07/06/71-11/02/71	5	1.	1.	1.	1.	0.	0.	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/71-11/02/71	5	21.	20.76	24.	17.8	5.988	2.447	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/06/71-11/02/71	4	5.	6.25	13.	2.	22.25	4.717	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/06/71-11/02/71	5	5.	5.4	10.	3.	7.3	2.702	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	07/06/71-11/02/71	5	10.	17.	40.	5.	232.5	15.248	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/06/71-11/02/71	5	58.	54.6	60.	40.	70.8	8.414	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/06/71-11/02/71	5	8.6	8.54	8.7	8.3	0.023	0.152	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/06/71-11/02/71	5 ##	0.5	0.88	1.8	0.5	0.332	0.576	**	**	**	**
00400	PH (STANDARD UNITS)	07/06/71-11/02/71	5	6.6	6.78	7.9	6.1	0.457	0.676	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/06/71-11/02/71	5	6.6	6.513	7.9	6.1	0.546	0.739	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/71-11/02/71	5	0.251	0.307	0.794	0.013	0.087	0.296	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/06/71-11/02/71	5	0.15	0.166	0.28	0.1	0.005	0.069	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/06/71-11/02/71	5	0.01	0.014	0.03	0.005	0.	0.011	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/06/71-11/02/71	5 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/06/71-11/02/71	5	0.1	0.087	0.17	0.005	0.004	0.063	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/06/71-11/02/71	5	0.023	0.02	0.023	0.013	0.	0.005	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/06/71-11/02/71	5	0.013	0.014	0.023	0.01	0.	0.005	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/06/71-11/02/71	5	5.	5.2	6.	4.	0.7	0.837	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/06/71-11/02/71	5	1.2	1.12	1.4	0.7	0.077	0.277	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/06/71-11/02/71	5	1.4	1.46	1.8	1.2	0.058	0.241	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/06/71-11/02/71	5	1.4	1.44	1.8	1.1	0.073	0.27	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/06/71-11/02/71	5	4.	4.	6.	3.	1.5	1.225	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/06/71-11/02/71	5	9.	9.6	16.	5.	17.8	4.219	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/06/71-11/02/71	5	500.	626.	1640.	90.	372530.	610.352	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/06/71-11/02/71	5	2.699	2.611	3.215	1.954	0.228	0.478	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			408.481								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/06/71-11/02/71	5	70.	158.	410.	20.	28170.	167.839	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/06/71-11/02/71	5	1.845	1.952	2.613	1.301	0.298	0.546	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			89.492								
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	07/06/71-11/02/71	5	18.	17.6	20.	13.	8.3	2.881	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0112

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	5	0	0.00	4	0	0.00	1	0	0.00						
00300	OXYGEN, DISSOLVED	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	2	0.40	4	1	0.25	1	1	1.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	4	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	5	0	0.00	4	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	4	0	0.00	1	0	0.00						
		Drinking Water	250.	5	0	0.00	4	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	4	0	0.00	1	0	0.00						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	5	1	0.20	4	1	0.25	1	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	5	2	0.40	4	1	0.25	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: OBRI0113

NPS Station ID: OBRI0113
LAT/LON: 35.978337/ -85.042781
Agency: 131TVAC
Date Created: / /
Location: BELOW CUMBERLAND MOUNTAIN LAKE
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475407 /3602
RMI-Indexes: 1021500 007720 00920 7930 0250 1010 1310
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 036.47 00.10
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: CLINCH RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: LITTLE OBED RIVER 0.1
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 1.40
On/Off RF1:
RF3 Index: 06010208001319.30
RF3 Mile Point: 19.52
Distance from RF3: 0.06
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0113

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/28/67-11/09/67	3	1.	0.667	1.	0.	0.333	0.577	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/28/67-11/09/67	3	14.8	12.7	17.	6.3	31.93	5.651	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	09/28/67-11/09/67	3	25.	31.667	50.	20.	258.333	16.073	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/28/67-11/09/67	3	7.8	7.867	11.	4.8	9.613	3.101	**	**	**	**
00304	BOD, 2 DAY, 20 DEG C MG/L	09/28/67-11/09/67	3	1.8	1.6	2.	1.	0.28	0.529	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/28/67-11/09/67	3	4.	3.333	4.	2.	1.333	1.155	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	10/16/67-10/16/67	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/28/67-11/09/67	3	6.9	7.033	7.4	6.8	0.103	0.321	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/28/67-11/09/67	3	6.9	6.966	7.4	6.8	0.11	0.332	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/28/67-11/09/67	3	0.126	0.108	0.158	0.04	0.004	0.061	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	09/28/67-11/09/67	3	120.	100.	140.	40.	2800.	52.915	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/28/67-11/09/67	3	100.	86.667	120.	40.	1733.333	41.633	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/28/67-11/09/67	3	0.42	0.57	0.99	0.3	0.136	0.369	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/28/67-11/09/67	3	0.07	0.08	0.12	0.05	0.001	0.036	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/28/67-11/09/67	3 ##	0.005	0.013	0.03	0.005	0.	0.014	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/28/67-11/09/67	3	0.22	0.222	0.44	0.005	0.047	0.218	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/28/67-11/09/67	3	0.072	0.102	0.176	0.059	0.004	0.064	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/28/67-11/09/67	2	0.056	0.056	0.065	0.046	0.	0.013	**	**	**	**
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION) MG/L	09/28/67-09/28/67	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/28/67-11/09/67	3	22.	17.667	23.	8.	70.333	8.386	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/28/67-11/09/67	3	2.5	2.167	2.5	1.5	0.333	0.577	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/28/67-11/09/67	3	3.9	3.567	4.	2.8	0.443	0.666	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	09/28/67-11/09/67	3	3.9	3.6	5.	1.9	2.47	1.572	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/28/67-10/16/67	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/28/67-11/09/67	3	480.	833.333	1800.	220.	717733.333	847.191	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/16/67-11/09/67	2	100.	100.	100.	100.	0.	0.	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	09/28/67-11/09/67	3	100.	108.333	200.	25.	7708.333	87.797	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/09/67-11/09/67	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/28/67-10/16/67	2	70.	70.	80.	60.	200.	14.142	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/28/67-11/09/67	2	14650.	14650.	28000.	1300.	356445000.	18879.751	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	09/28/67-11/09/67	2	3.781	3.781	4.447	3.114	0.889	0.943	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			6033.241								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/28/67-11/09/67	3	170.	730.	2000.	20.	1215300.	1102.406	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/28/67-11/09/67	3	2.23	2.278	3.301	1.301	1.002	1.001	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			189.454								
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	09/28/67-11/09/67	3	65.	53.	68.	26.	549.	23.431	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0113

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00	1	0	0.00	2	0	0.00						
00400	PH	Fresh Chronic	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	1	0	0.00	2	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	1	0	0.00	2	0	0.00						
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION)	Fresh Acute	0.022	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	1300.	2	0	0.00	1	0	0.00	1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	5000.	2	0	0.00	1	0	0.00	1	0	0.00						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	2	2	1.00	1	1	1.00	1	1	1.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	1	0.33	1	0	0.00	2	1	0.50						

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

Station Inventory for Station: OBRI0114

NPS Station ID: OBRI0114
LAT/LON: 35.996753/ -85.044809
Agency: 11NPSWRD
Date Created: 07/04/98
Location: OBED RIVER AT ROUTE 127 BRIDGE
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_NPS_OR4
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CROSSVILLE TENNESSEE CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE AND IS OUTSIDE THE OBED WILD AND SCENIC RIVER (OBRI) BOUNDARIES. THE SITE IS AT OBED RIVER NEAR THE ROUTE 127 BRIDGE IN CROSSVILLE AT STREAM MILE 34.4. DR. TOM M. ABBOTT; A NATIONAL PARK SERVICE CONTRACTOR FROM THE BIOLOGY DEPARTMENT OF TENNESSEE TECHNICAL UNIVERSITY; CONDUCTED A 1979-1980 STUDY OF THE UPPER EMORY RIVER WATERSHED'S PHYSICAL AND CHEMICAL WATER QUALITY CHARACTERISTICS TO HELP DETERMINE AND ASSESS VARIOUS POINT SOURCES OF POLLUTION. DATA ARE FROM THE STUDY'S FINAL REPORT TITLED "CHEMICAL AND BACTERIOLOGICAL EVALUATION; WATER QUALITY SURVEY OF THE OBED WILD AND SCENIC RIVER" (ABBOTT; 1982). FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT OBRI; P.O. BOX 429; WARTBURG TN 37887-0429; TEL(423)346-6294. DATA WERE PROCESSED AND UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NPS WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0114

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/01/80-10/01/80	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	10/01/80-10/01/80	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/01/80-10/01/80	1	220.	220.	220.	220.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/01/80-10/01/80	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/01/80-10/01/80	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/01/80-10/01/80	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/01/80-10/01/80	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/01/80-10/01/80	1	98.	98.	98.	98.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/01/80-10/01/80	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00442	PHOSPHOROUS, TOTAL ELEMENTAL MG/L	10/01/80-10/01/80	1	2.48	2.48	2.48	2.48	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/01/80-10/01/80	1	0.86	0.86	0.86	0.86	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	10/01/80-10/01/80	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	10/01/80-10/01/80	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/01/80-10/01/80	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/01/80-10/01/80	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/01/80-10/01/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/01/80-10/01/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/01/80-10/01/80	1	350.	350.	350.	350.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/01/80-10/01/80	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

Parameter Inventory for Station: OBRI0114

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092	ZINC, TOTAL (UG/L AS ZN)	10/01/80-10/01/80	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/01/80-10/01/80	1	420.	420.	420.	420.	0.	0.	**	**	**	**
30209	FLOW, INSTANTANEOUS, (CUBIC METERS / SEC) CMS	10/01/80-10/01/80	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
31613	FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24HR	10/01/80-10/01/80	1	2900.	2900.	2900.	2900.	0.	0.	**	**	**	**
31613	LOG FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24	10/01/80-10/01/80	1	3.462	3.462	3.462	3.462	0.	0.	**	**	**	**
31613	GM FECAL COLIFORM,MEMBR FILTER,M-FC AGAR,44.5C,24H	GEOMETRIC MEAN =			2900.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/01/80-10/01/80	1	11400.	11400.	11400.	11400.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/01/80-10/01/80	1	4.057	4.057	4.057	4.057	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			11400.								
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	10/01/80-10/01/80	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/01/80-10/01/80	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/01/80-10/01/80	1	8.	8.	8.	8.	0.	0.	**	**	**	**
82230	AMMONIA + AMMONIUM TOTAL NH3 + NH4 IN WATER MG/L	10/01/80-10/01/80	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0114

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	1	1	1.00	1	1	1.00									
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
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									
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: OBRI0115

NPS Station ID: OBRI0115
LAT/LON: 35.996948/ -85.044726
Agency: 131TVAC
Date Created: / /
Location: TENNESSEE HWY 28 BRIDGE, 3.4 M NNW OF CROSSVILLE
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475138 /3557
RMI-Indexes: 1021500 007720 00920 7930 0250 1010
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 034.44
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: CLINCH RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: OBED RIVER 34.44
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.30
On/Off RF1:
RF3 Index: 06010208001320.29
RF3 Mile Point: 20.28
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0115

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-11/02/71	20	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-11/02/71	19	16.5	15.026	23.	1.	39.878	6.315	6.	11.5	20.1	21.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/67-11/02/71	17	22.	52.706	400.	6.	9115.721	95.476	6.	9.	55.	192.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/23/67-11/02/71	16	7.5	15.188	80.	3.	391.496	19.786	3.	4.25	18.75	48.5
00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-11/02/71	16	20.	20.	50.	5.	146.667	12.111	5.	10.	23.75	43.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/67-11/02/71	16	75.	104.375	240.	18.	5560.383	74.568	32.7	46.25	170.	233.
00300	OXYGEN, DISSOLVED MG/L	06/23/67-11/02/71	19	7.4	7.889	12.2	4.6	4.52	2.126	4.8	6.5	8.7	11.3
00304	BOD, 2 DAY, 20 DEG C MG/L	06/23/67-04/23/68	7 ##	0.5	0.571	1.	0.5	0.036	0.189	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-11/02/71	16	1.3	1.625	3.4	0.5	0.801	0.895	0.5	1.1	2.4	3.12
00335	COD, .025N K2CR2O7 MG/L	06/23/67-04/23/68	8	15.	19.375	50.	9.	181.411	13.469	**	**	**	**
00400	PH (STANDARD UNITS)	06/23/67-11/02/71	17	6.9	6.947	7.7	6.3	0.139	0.373	6.46	6.6	7.2	7.54
00400	CONVERTED PH (STANDARD UNITS)	06/23/67-11/02/71	17	6.9	6.81	7.7	6.3	0.159	0.399	6.46	6.6	7.2	7.54
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/67-11/02/71	17	0.126	0.155	0.501	0.02	0.016	0.126	0.029	0.063	0.251	0.353
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/23/67-03/24/69	12	10.	12.25	22.	4.	43.114	6.566	4.3	7.25	19.75	21.7
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/23/67-03/24/69	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500	RESIDUE, TOTAL (MG/L)	07/25/67-03/24/69	8	50.	68.75	150.	40.	1583.929	39.799	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/67-03/24/69	8	40.	48.75	130.	30.	1098.214	33.139	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/67-11/02/71	16	0.41	0.534	2.	0.19	0.204	0.452	0.19	0.243	0.753	1.195
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/67-11/02/71	16	0.05	0.187	1.1	0.005	0.094	0.307	0.005	0.033	0.223	0.862
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/23/67-11/02/71	16	0.01	0.03	0.14	0.005	0.001	0.036	0.005	0.005	0.055	0.084
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/23/67-11/02/71	16	0.305	0.362	1.2	0.01	0.082	0.287	0.059	0.17	0.538	0.773
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/67-11/02/71	16	0.318	0.529	2.021	0.039	0.342	0.585	0.08	0.132	0.823	1.633
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/67-03/24/69	10	0.175	0.229	0.815	0.013	0.054	0.232	0.016	0.068	0.303	0.765
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/01/71-11/02/71	6	0.783	0.822	1.76	0.088	0.495	0.704	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/23/67-11/02/71	17	4.5	7.176	19.	1.	34.842	5.903	1.8	3.25	11.	18.2
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/67-11/02/71	17	1.1	1.471	3.	0.5	0.528	0.727	0.74	1.	1.95	3.
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-11/02/71	16	2.8	4.825	17.	0.4	26.626	5.16	0.47	1.275	7.4	14.9
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-11/02/71	16	2.15	3.6	16.	0.9	15.183	3.896	0.97	1.25	4.6	10.75
00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-11/02/71	18	6.5	10.111	27.	2.	77.163	8.784	2.	4.	18.5	25.2
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-11/02/71	18	6.	7.444	22.	2.	21.791	4.668	3.8	4.	9.25	14.8
00951	FLUORIDE, TOTAL (MG/L AS F)	03/24/69-03/24/69	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-03/24/69	10	3.85	3.54	7.2	0.6	2.892	1.7	0.75	2.325	3.9	6.87
01042	COPPER, TOTAL (UG/L AS CU)	06/23/67-04/23/68	8 ##	7.5	12.5	40.	5.	150.	12.247	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/23/67-03/24/69	11	690.	1754.545	8800.	380.	6764227.273	2600.813	392.	480.	1200.	7920.
01046	IRON, DISSOLVED (UG/L AS FE)	07/25/67-03/24/69	10	290.	313.	500.	180.	13112.222	114.509	180.	217.5	432.5	494.
01047	IRON, FERROUS (UG/L AS FE)	07/25/67-03/24/69	11	100.	125.	300.	25.	9000.	94.868	25.	25.	200.	290.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/67-03/24/69	9	80.	173.333	480.	20.	29225.	170.953	20.	65.	340.	480.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/25/67-03/24/69	7	60.	120.	430.	20.	21000.	144.914	**	**	**	**

** - Less than 9 observations ## - 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: OBRI0115

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/67-04/23/68	9	80.	75.556	140.	20.	1777.778	42.164	20.	35.	110.	140.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/23/67-11/02/71	11	1900.	15376.364	83000.	300.	964811865.455	31061.421	312.	370.	3200.	81000.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	06/23/67-11/02/71	11	3.279	3.341	4.919	2.477	0.732	0.855	2.493	2.568	3.505	4.908
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			2194.185								
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/23/67-04/23/68	9	23000.	54071.111	240000.	940.	6717111011.111	81957.983	940.	2350.	89500.	240000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/23/67-04/23/68	9	4.362	4.18	5.38	2.973	0.719	0.848	2.973	3.299	4.869	5.38
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			15119.367								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/23/68	9	1100.	43114.444	240000.	110.	7561268902.778	86955.557	110.	185.	71800.	240000.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/23/68	9	3.041	3.307	5.38	2.041	1.503	1.226	2.041	2.247	4.351	5.38
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2026.994								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/23/67-11/02/71	12	190.	5182.5	44000.	10.	167405238.636	12938.518	16.	57.5	1242.5	35300.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/23/67-11/02/71	12	2.273	2.513	4.643	1.	1.138	1.067	1.143	1.712	3.081	4.503
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			325.885								
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/23/67-11/02/71	17	16.	23.294	54.	3.	285.596	16.9	7.8	13.	36.5	53.2

** - 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: OBRI0115

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	16	1	0.06	7	1	0.14	5	0	0.00	4	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	19	0	0.00	10	0	0.00	5	0	0.00	4	0	0.00			
00400	PH	Fresh Chronic	9.	17	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	17	2	0.12	9	2	0.22	5	0	0.00	3	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	16	0	0.00	7	0	0.00	5	0	0.00	4	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	16	0	0.00	7	0	0.00	5	0	0.00	4	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	18	0	0.00	9	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	250.	18	0	0.00	9	0	0.00	5	0	0.00	4	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	18	0	0.00	9	0	0.00	5	0	0.00	4	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	2	0.25	3	0	0.00	3	1	0.33	2	1	0.50			
		Drinking Water	1300.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	9	2	0.22	3	1	0.33	4	1	0.25	2	0	0.00			
		Drinking Water	5000.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	11	6	0.55	7	4	0.57	1	0	0.00	3	2	0.67			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	9	8	0.89	3	2	0.67	4	4	1.00	2	2	1.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	9	7	0.78	3	2	0.67	4	4	1.00	2	1	0.50			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	12	6	0.50	7	3	0.43	2	1	0.50	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: OBRI0116

NPS Station ID: OBRI0116
LAT/LON: 35.996670/ -85.044726
Agency: 21TNWQ
Date Created: 06/19/82
Location: OBED R 34.4 AT HWY 127 BRIDGE QUAD 109NE
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBEDIS05
RMI-Indexes: 1021500 007720 00920 7930 0250 1010
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 034.40
HUC: 06010208
Depth of Water: 3
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: CLINCH RIVER
ECO Region:
RF1 Index: 06010208013
RF1 Mile Point: 17.730
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 06010208001319.30
RF3 Mile Point: 19.52
Distance from RF3: 0.06
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0116

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/29/79-03/29/79	1	11.4	11.4	11.4	11.4	0.	0.	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	03/29/79-03/29/79	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	03/29/79-03/29/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	03/29/79-03/29/79	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/29/79-03/29/79	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/29/79-03/29/79	1	10.4	10.4	10.4	10.4	0.	0.	**	**	**	**
00308	BOD, NITROGEN INHIB.,TOTAL, 20 DAY, 20 DEG C MG/L	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00324	BOD, 20 DAY, 20 DEG C MG/L	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	03/29/79-03/29/79	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/29/79-03/29/79	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/29/79-03/29/79	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/29/79-03/29/79	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/29/79-03/29/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/29/79-03/29/79	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/29/79-03/29/79	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/29/79-03/29/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/29/79-03/29/79	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/29/79-03/29/79	1	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	03/29/79-03/29/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/29/79-03/29/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/29/79-03/29/79	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	03/29/79-03/29/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	03/29/79-03/29/79	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	03/29/79-03/29/79	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/29/79-03/29/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/29/79-03/29/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/29/79-03/29/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/29/79-03/29/79	1	220.	220.	220.	220.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/29/79-03/29/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/29/79-03/29/79	1	39.	39.	39.	39.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/29/79-03/29/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/29/79-03/29/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: OBRI0116

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/29/79-03/29/79	1	230.	230.	230.	230.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/29/79-03/29/79	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: OBRI0116

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	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			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: OBRI0117

NPS Station ID: OBRI0117 LAT/LON: 35.996753/ -85.044754 Agency: 11NPSWRD Date Created: 06/27/98
Location: OBED RIVER AT THE U.S. HIGHWAY 127 BRIDGE FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): OBRI_TDPH_OB5 /OBEDIS05
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CROSSVILLE TN-CUMBERLAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE OUTSIDE OF THE OBED WILD AND SCENIC RIVER BOUNDARIES. THE SITE IS LOCATED AT THE OBED RIVER AT RIVER MILE 34.4; NEAR THE U.S. HIGHWAY 127 BRIDGE. DATA WERE COLLECTED HERE IN 1979 BY DAVID MELGAARD AND DAVID MCKINNEY; BIOLOGISTS WITH THE TENNESSEE DEPARTMENT OF PUBLIC HEALTH DIVISION OF WATER QUALITY CONTROL. THE DATA ARE PART OF A BIOLOGICAL INVENTORY USED TO ASSESS THE IMPACTS OF CROSSVILLE'S MUNICIPAL WASTE WATER TREATMENT PLANT ON THE OBED RIVER. DATA WERE SUMMARIZED IN A REPORT TITLED "BIOLOGICAL INVENTORY AND ASSESSMENT; OBED RIVER MILE 20.8 TO 38.6." ALL WATER QUALITY SAMPLES WERE ANALYZED BY THE STATE CENTRAL LABORATORY IN KNOXVILLE TENNESSEE. ADDITIONAL DATA FOR THIS STATION CAN BE FOUND UNDER AGENCY CODE: 21TNWQ AT THE STATION NAMED: OBEDIS05. DATA WERE UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0117

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/29/79-03/29/79	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/29/79-03/29/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	03/29/79-03/29/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

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

Station Inventory for Station: OBRI0118

NPS Station ID: OBRI0118
LAT/LON: 35.978892/ -85.046392
Agency: 131TVAC
Date Created: / /
Location: TENNESSEE CENTRAL RR BRIDGE
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475185 /3560
RMI-Indexes: 1021500 007720 00920 7930 0250 1010
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 036.50
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: CLINCH RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: OBED RIVER 36.5
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 2.70
On/Off RF1:
RF3 Index: 06010208001321.42
RF3 Mile Point: 21.41
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-11/07/67	6	0.5	0.5	1.	0.	0.3	0.548	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-11/07/67	6	17.5	17.017	22.5	8.5	29.782	5.457	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/67-11/07/67	6	6.5	9.5	29.	2.	96.3	9.813	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/23/67-06/23/67	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-11/07/67	6	30.	66.667	240.	25.	7296.667	85.421	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/67-06/23/67	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/23/67-11/07/67	6	2.25	3.175	9.8	0.05	11.908	3.451	**	**	**	**
00304	BOD, 2 DAY, 20 DEG C MG/L	06/23/67-11/07/67	6	3.55	13.667	64.	1.3	613.023	24.759	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-11/07/67	5	6.6	19.84	80.	2.6	1135.048	33.69	**	**	**	**
00400	PH (STANDARD UNITS)	07/25/67-11/07/67	5	6.8	6.88	7.1	6.8	0.017	0.13	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/25/67-11/07/67	5	6.8	6.866	7.1	6.8	0.017	0.131	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/67-11/07/67	5	0.158	0.136	0.158	0.079	0.001	0.035	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/23/67-11/07/67	6	125.	138.333	260.	40.	7416.667	86.12	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/23/67-11/07/67	6	90.	113.333	260.	30.	6466.667	80.416	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-06/23/67	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-06/23/67	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-06/23/67	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-06/23/67	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-06/23/67	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/23/67-11/07/67	5	240000.	312000.	960000.	30000.142470000000.		377451.984	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	06/23/67-11/07/67	5	5.38	5.21	5.982	4.477	0.349	0.591	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			162115.205								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/23/67-11/07/67	6	110000.	178666.667	640000.	14000.558698666666.667		236368.075	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/23/67-11/07/67	6	4.965	4.927	5.806	4.146	0.37	0.608	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			84441.443								

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

EPA Water Quality Criteria Analysis for Station: OBRI0118

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5 &	4	0.80	3	3	1.00	1	0	0.00	1	1	1.00			
00400	PH	Fresh Chronic	9.	5	0	0.00	3	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	5	0	0.00	3	0	0.00	2	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: OBRI0118

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	5	5	1.00	3	3	1.00	1	1	1.00	1	1	1.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	6	6	1.00	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: OBRI0119

NPS Station ID: OBRI0119 LAT/LON: 35.974365/ -85.048476 Agency: 11NPSWRD Date Created: 06/27/98
Location: OBED RIVER AT THE U.S. HIGHWAY NORTH BRIDGE FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): OBRI_TDPH_OB4 /OBEDIS04
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CROSSVILLE TN CUMBERLAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE OUTSIDE OF THE OBED WILD AND SCENIC RIVER BOUNDARIES. THE SITE IS LOCATED AT THE OBED RIVER AT RIVER MILE 36.9; NEAR THE HIGHWAY 70 NORTH BRIDGE. DATA WERE COLLECTED AT THIS SITE IN 1979 BY DAVID MELGAARD AND DAVID MCKINNEY; BIOLOGISTS WITH THE TENNESSEE DEPARTMENT OF PUBLIC HEALTH DIVISION OF WATER QUALITY CONTROL. THE DATA ARE PART OF A BIOLOGICAL INVENTORY USED TO ASSESS THE IMPACTS OF CROSSVILLE'S MUNICIPAL WASTE WATER TREATMENT PLANT TO THE OBED RIVER. DATA WERE SUMMARIZED IN A REPORT TITLED "BIOLOGICAL INVENTORY AND ASSESSMENT; OBED RIVER MILE 20.8 TO 38.6." ALL WATER QUALITY SAMPLES WERE ANALYZED BY THE STATE CENTRAL LABORATORY IN KNOXVILLE TENNESSEE. ADDITIONAL DATA FOR THIS STATION CAN BE FOUND UNDER AGENCY CODE: 21TNWQ AT THE STATION NAMED: OBEDIS04. DATA WERE UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL(970)225-3516.

Parameter Inventory for Station: OBRI0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/29/79-03/29/79	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/29/79-03/29/79	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	03/29/79-03/29/79	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**

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

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

Station Inventory for Station: OBRI0120

NPS Station ID: OBRI0120
LAT/LON: 35.982504/ -85.048615
Agency: 21TNWQ
Date Created: 12/04/82
Location: OBED R 36.9 U/S HWY 70N QUAD 109NE
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 002005
RMI-Indexes: 1021500 007720 00920 7930 0250 1010
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.40 036.90
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: SOUTHEAST
Elevation: 0
Water Body Id:
Minor Basin: CLINCH RIVER BASIN
ECO Region:
RF1 Index: 06010208013
RF1 Mile Point: 19.300
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 06010208001304.41
RF3 Mile Point: 4.41
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0120

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	12/21/82-12/10/87	15	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/15/83-12/14/88	13	12.	14.254	23.	7.	41.596	6.449	7.	8.65	21.25	23.
00080	COLOR (PLATINUM-COBALT UNITS)	03/15/88-12/14/88	3	32.	96.	250.	6.	17956.	134.	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	12/14/88-12/14/88	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/21/82-12/14/88	16	166.5	182.063	365.	63.	9172.729	95.774	69.3	95.25	270.75	336.3
00300	OXYGEN, DISSOLVED MG/L	12/21/82-05/31/88	14	8.5	7.793	10.8	4.6	5.781	2.404	4.8	5.075	10.	10.55
00310	BOD, 5 DAY, 20 DEG C MG/L	12/21/82-12/14/88	16 ##	2.5	2.25	6.	0.5	1.6	1.265	0.5	1.25	2.5	3.55
00335	COD, .025N K2CR2O7 MG/L	12/21/82-12/14/88	16	7.75	13.463	76.	2.5	332.236	18.227	2.5	2.5	14.075	43.31
00403	PH, LAB, STANDARD UNITS SU	12/21/82-12/14/88	16	7.1	7.038	7.4	6.6	0.071	0.266	6.6	6.8	7.3	7.33
00403	CONVERTED PH, LAB, STANDARD UNITS	12/21/82-12/14/88	16	7.1	6.958	7.4	6.6	0.077	0.278	6.6	6.8	7.3	7.33
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/21/82-12/14/88	16	0.079	0.11	0.251	0.04	0.005	0.072	0.047	0.05	0.158	0.251
00500	RESIDUE, TOTAL (MG/L)	12/21/82-03/15/88	14	143.	137.5	292.	37.	6060.423	77.849	38.	69.	203.25	253.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	12/21/82-12/14/88	15	93.	113.6	203.	32.	3596.4	59.97	35.6	69.	163.	202.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/21/82-12/14/88	16	4.	17.531	199.	0.5	2367.749	48.66	0.5	1.25	11.5	71.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/21/82-12/14/88	15	0.14	0.595	5.87	0.01	2.238	1.496	0.022	0.05	0.21	3.152
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/21/82-12/14/88	16	0.48	0.889	3.16	0.005	1.025	1.012	0.037	0.3	1.37	3.104
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	12/21/82-12/14/88	16	0.6	1.188	4.8	0.1	2.168	1.472	0.24	0.5	1.1	4.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/21/82-12/14/88	15	0.25	0.475	2.2	0.05	0.351	0.592	0.056	0.12	0.61	1.666
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/21/82-12/14/88	16	47.5	51.594	141.	0.5	1130.307	33.62	17.65	29.	59.75	113.7
01002	ARSENIC, TOTAL (UG/L AS AS)	12/21/82-12/14/88	16 ##	1.	1.375	5.	0.5	2.15	1.466	0.5	0.5	1.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	12/21/82-12/14/88	16 ##	1.	1.125	4.	0.5	0.717	0.847	0.5	0.625	1.	2.6
01034	CHROMIUM, TOTAL (UG/L AS CR)	12/21/82-03/12/86	4 ##	2.75	3.75	9.	0.5	16.75	4.093	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	12/21/82-12/14/88	16	5.	5.875	20.	1.	24.417	4.941	2.05	2.5	7.	15.8
01045	IRON, TOTAL (UG/L AS FE)	12/21/82-12/14/88	16	389.	896.438	6227.	230.	2366955.329	1538.491	251.	293.5	535.75	3758.1
01051	LEAD, TOTAL (UG/L AS PB)	12/21/82-12/14/88	16 ##	5.	7.813	25.	5.	33.363	5.776	5.	5.	8.75	18.7
01055	MANGANESE, TOTAL (UG/L AS MN)	12/21/82-12/14/88	16	89.	97.313	230.	34.	2847.696	53.364	41.7	60.	104.75	206.2
01067	NICKEL, TOTAL (UG/L AS NI)	09/04/84-09/04/84	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	12/21/82-12/14/88	16	20.	22.281	74.	2.5	340.432	18.451	2.5	6.75	32.	49.5
01105	ALUMINUM, TOTAL (UG/L AS AL)	12/21/82-09/04/84	3	170.	240.	400.	150.	19300.	138.924	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/88-12/14/88	2 ##	37.5	37.5	70.	5.	2112.5	45.962	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/88-12/14/88	2 ##	1.272	1.272	1.845	0.699	0.657	0.81	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18.708								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/88-12/14/88	2	200.	200.	230.	170.	1800.	42.426	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/31/88-12/14/88	2	2.296	2.296	2.362	2.23	0.009	0.093	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			197.737								
32240	TANNIN AND LIGNIN (MG/L)	03/12/86-03/12/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	12/21/82-12/14/88	17 ##	0.1	0.106	0.2	0.1	0.001	0.024	0.1	0.1	0.1	0.12

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

EPA Water Quality Criteria Analysis for Station: OBRI0120

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	14	0	0.00	3	0	0.00	5	0	0.00	6	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	16	0	0.00	3	0	0.00	6	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	16	0	0.00	3	0	0.00	6	0	0.00	7	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	16	0	0.00	3	0	0.00	7	0	0.00	6	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	16	0	0.00	3	0	0.00	6	0	0.00	7	0	0.00			
		Drinking Water	50.	16	0	0.00	3	0	0.00	6	0	0.00	7	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	16	1	0.06	3	0	0.00	6	1	0.17	7	0	0.00			
		Drinking Water	5.	16	0	0.00	3	0	0.00	6	0	0.00	7	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	1	0	0.00	3	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	16	1	0.06	3	0	0.00	6	1	0.17	7	0	0.00			
		Drinking Water	1300.	16	0	0.00	3	0	0.00	6	0	0.00	7	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	16	0	0.00	3	0	0.00	6	0	0.00	7	0	0.00			
		Drinking Water	15.	15 &	1	0.07	2	0	0.00	6	0	0.00	7	1	0.14			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	16	0	0.00	3	0	0.00	6	0	0.00	7	0	0.00			
		Drinking Water	5000.	16	0	0.00	3	0	0.00	6	0	0.00	7	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00				1	0	0.00	1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	17	0	0.00	3	0	0.00	7	0	0.00	7	0	0.00			
		Drinking Water	2.	17	0	0.00	3	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: OBRI0121

NPS Station ID: OBRI0121 LAT/LON: 35.974448/ -85.048615 Agency: 131TVAC Date Created: / /
Location: U.S. HWY 70N BRIDGE, 2.1 MILES NW OF CROSSVILLE FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 475184 /3563
RMI-Indexes: 1021500 007720 00920 7930 0250 1010 Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 036.85
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: CLINCH RIVER BASIN Elevation: 0 Water Body Id:
Minor Basin: OBED RIVER 36.85 ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 2.20 On/Off RF1:
RF3 Index: 06010208001319.30 RF3 Mile Point: 21.15 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0121

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-11/07/67	7	1.	0.714	1.	0.	0.238	0.488	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-11/07/67	7	20.1	17.5	22.	9.	23.193	4.816	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/67-11/07/67	6	6.5	9.333	28.	2.	88.667	9.416	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/23/67-06/23/67	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-11/07/67	6	40.	63.333	200.	25.	4616.667	67.946	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/67-06/23/67	1	280.	280.	280.	280.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/25/67-11/07/67	6	1.9	2.908	9.7	0.05	11.77	3.431	**	**	**	**
00304	BOD, 2 DAY, 20 DEG C MG/L	06/23/67-11/07/67	6	3.05	13.35	65.	1.1	644.587	25.389	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-11/07/67	6	5.6	29.183	150.	3.	3505.466	59.207	**	**	**	**
00400	PH (STANDARD UNITS)	07/25/67-11/07/67	5	6.8	6.9	7.3	6.7	0.065	0.255	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/25/67-11/07/67	5	6.8	6.849	7.3	6.7	0.068	0.261	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/67-11/07/67	5	0.158	0.142	0.2	0.05	0.004	0.065	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/23/67-11/07/67	6	125.	133.333	270.	40.	7266.667	85.245	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/23/67-11/07/67	6	100.	118.333	260.	30.	6896.667	83.046	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-06/23/67	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-06/23/67	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-06/23/67	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-06/23/67	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-06/23/67	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/23/67-11/07/67	5	220000.	688000.	1600000.	60000.527970000000.		726615.442	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	06/23/67-11/07/67	5	5.342	5.555	6.204	4.778	0.364	0.603	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			359293.529								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/23/67-11/07/67	6	58000.	282666.667	1350000.	8000.276820666666.667		526137.498	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/23/67-11/07/67	6	4.762	4.906	6.13	3.903	0.55	0.742	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			80524.307								

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

EPA Water Quality Criteria Analysis for Station: OBRI0121

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5 &	4	0.80	4	4	1.00	1	0	0.00						
00400	PH	Fresh Chronic	9.	5	0	0.00	3	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	5	0	0.00	3	0	0.00	2	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: OBRI0121

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	5	5	1.00	3	3	1.00	1	1	1.00	1	1	1.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	6	6	1.00	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: OBRI0122

NPS Station ID: OBRI0122
LAT/LON: 35.974448/ -85.048615
Agency: 131TVAC
Date Created: / /
Location: NW OF CROSSVILLE
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475275 /3566
RMI-Indexes: 1021500 007720 00920 7930 0250 1010
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 036.88
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: CLINCH RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: OBED RIVER 36.88
ECO Region:
RF1 Index: 06010208013
RF1 Mile Point: 19.690
Distance from RF1: 0.40
On/Off RF1: OFF
RF3 Index: 06010208001319.30
RF3 Mile Point: 19.34
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0122

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/01/71-12/08/76	10	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/01/71-12/08/76	10	17.7	16.02	23.	5.	37.433	6.118	5.28	10.2	21.	22.8
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/01/71-12/08/76	9	3.	6.978	20.	0.5	44.417	6.665	0.5	2.65	12.5	20.
00080	COLOR (PLATINUM-COBALT UNITS)	06/01/71-12/08/76	9	10.	20.778	70.	5.	432.444	20.795	5.	6.5	27.5	70.
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	10/14/75-12/08/76	14	17.5	21.357	40.	12.	92.863	9.637	12.	14.5	28.5	39.
00335	COD, .025N K2CR2O7 MG/L	10/06/76-12/08/76	3	31.	30.333	55.	5.	625.333	25.007	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	10/14/75-12/08/76	15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/06/76-12/08/76	3	3.	7.333	17.	2.	70.333	8.386	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/01/71-12/08/76	9	0.41	1.057	3.5	0.09	1.608	1.268	0.09	0.125	2.25	3.5
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/01/71-11/02/71	6	0.02	0.035	0.11	0.005	0.002	0.041	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/01/71-11/02/71	6	0.15	0.373	1.2	0.005	0.241	0.491	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/02/71-11/02/71	4	3.195	4.034	7.498	2.249	5.874	2.424	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/06/76-12/08/76	3	0.24	1.387	3.8	0.12	4.372	2.091	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/01/71-11/02/71	6	2.853	3.184	6.52	0.815	3.778	1.944	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/01/71-12/08/76	9	24.	21.778	35.	5.	127.694	11.3	5.	9.	31.5	35.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/01/71-12/08/76	9	1.8	1.8	2.7	1.	0.38	0.616	1.	1.25	2.4	2.7
00929	SODIUM, TOTAL (MG/L AS NA)	06/01/71-12/08/76	9	26.	25.589	59.	2.8	351.961	18.761	2.8	5.25	38.5	59.
00937	POTASSIUM, TOTAL MG/L AS K)	06/01/71-12/08/76	9	10.	10.967	34.	0.8	103.12	10.155	0.8	1.95	14.5	34.
00940	CHLORIDE,TOTAL IN WATER MG/L	06/01/71-12/08/76	9	29.	22.111	38.	4.	221.361	14.878	4.	7.	36.5	38.
00951	FLUORIDE, TOTAL (MG/L AS F)	10/06/76-12/08/76	3 ##	0.05	0.1	0.2	0.05	0.008	0.087	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/06/76-12/08/76	3	2.6	4.1	7.3	2.4	7.69	2.773	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/06/76-12/08/76	3	110.	121.667	230.	25.	10608.333	102.997	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/06/76-12/08/76	3	80.	90.	150.	40.	3100.	55.678	**	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/01/71-12/08/76	20	37.	46.85	99.	15.	686.555	26.202	17.1	27.25	66.75	92.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/06/76-12/08/76	3	60.	110.	220.	50.	9100.	95.394	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: OBRI0122

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	9	0	0.00	5	0	0.00	3	0	0.00	1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	6	0	0.00	4	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: OBRI0122

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	9	0	0.00	5	0	0.00	3	0	0.00	1	0	0.00			
		Drinking Water	250.	9	0	0.00	5	0	0.00	3	0	0.00	1	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	3	0	0.00	1	0	0.00	2	0	0.00						

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

Station Inventory for Station: OBRI0123

NPS Station ID: OBRI0123
LAT/LON: 35.974170/ -85.048615
Agency: 112WRD
Date Created: 01/25/77
Location: OBED RIVER NEAR CROSSVILLE, TN
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03538618
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208013
RF1 Mile Point: 19.800
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 06010208001308.46
RF3 Mile Point: 8.73
Distance from RF3: 0.06
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/14/75-09/08/76	15	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/14/75-09/08/76	15	15.	13.64	22.	3.9	37.29	6.107	4.26	7.5	18.5	21.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/14/75-06/16/76	8	6.5	6.5	9.	3.	4.	2.	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/14/75-09/08/76	13	4.4	5.777	16.	1.2	23.004	4.796	1.4	2.7	5.75	16.
00080	COLOR (PLATINUM-COBALT UNITS)	10/14/75-09/08/76	13	8.	9.769	27.	1.	43.192	6.572	1.	7.	12.	22.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/14/75-09/08/76	13	100.	122.538	340.	42.	8051.103	89.728	42.8	52.	160.	304.
00300	OXYGEN, DISSOLVED MG/L	10/14/75-09/08/76	14	8.6	8.357	12.7	3.4	8.367	2.893	3.9	5.875	11.025	12.35
00310	BOD, 5 DAY, 20 DEG C MG/L	11/19/75-09/08/76	13	1.6	1.892	6.5	0.5	2.991	1.729	0.5	0.5	2.6	5.38
00335	COD, .025N K2CR2O7 MG/L	10/14/75-09/08/76	13	13.	16.923	51.	3.	215.91	14.694	4.2	6.5	20.5	48.2
00400	PH (STANDARD UNITS)	10/14/75-09/08/76	14	6.9	6.907	7.9	6.2	0.181	0.425	6.25	6.725	7.125	7.6
00400	CONVERTED PH (STANDARD UNITS)	10/14/75-09/08/76	14	6.9	6.734	7.9	6.2	0.213	0.461	6.25	6.725	7.125	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/14/75-09/08/76	14	0.126	0.184	0.631	0.013	0.032	0.178	0.031	0.075	0.198	0.566
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/14/75-09/08/76	14	16.	17.143	34.	5.	77.209	8.787	6.	8.75	23.5	31.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/14/75-09/08/76	13	3.	5.5	20.	0.5	35.333	5.944	1.1	2.5	5.	18.8
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/14/75-09/08/76	13	0.25	0.336	1.1	0.13	0.076	0.275	0.134	0.175	0.415	0.924
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/14/75-09/08/76	13	0.09	0.643	4.3	0.005	1.903	1.38	0.015	0.045	0.165	3.82
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/14/75-09/08/76	13	0.57	1.225	5.6	0.21	2.158	1.469	0.246	0.37	1.6	4.28
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/14/75-09/08/76	13	0.13	0.874	4.	0.03	1.54	1.241	0.03	0.055	1.6	3.36
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/14/75-09/08/76	12	0.29	0.745	3.5	0.01	1.204	1.097	0.01	0.023	1.025	3.14
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/14/75-09/08/76	13	31.	31.462	60.	13.	215.436	14.678	13.8	17.	37.5	58.4
00916	CALCIUM, TOTAL (MG/L AS CA)	10/14/75-09/08/76	13	11.	10.769	21.	4.	29.692	5.449	4.	5.5	13.	20.6
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/14/75-09/08/76	13	1.1	1.108	1.9	0.7	0.127	0.357	0.7	0.8	1.4	1.74
00929	SODIUM, TOTAL (MG/L AS NA)	10/14/75-09/08/76	13	6.8	8.108	27.	1.7	64.392	8.024	1.74	2.1	10.25	25.
00937	POTASSIUM, TOTAL MG/L AS K)	10/14/75-09/08/76	13	1.7	2.631	11.	0.8	7.839	2.8	0.84	1.05	2.75	8.72
00940	CHLORIDE,TOTAL IN WATER MG/L	10/14/75-09/08/76	13	11.	12.231	36.	4.	100.192	10.01	4.	5.	15.	33.2
00945	SULFATE, TOTAL (MG/L AS SO4)	10/14/75-09/08/76	13	8.	9.231	15.	5.	12.026	3.468	5.4	6.	12.5	14.6
00951	FLUORIDE, TOTAL (MG/L AS F)	10/14/75-09/08/76	13 ##	0.05	0.074	0.2	0.05	0.002	0.048	0.05	0.05	0.085	0.176
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/14/75-09/08/76	13	3.3	3.577	7.2	2.5	1.577	1.256	2.54	2.7	3.95	6.12
01045	IRON, TOTAL (UG/L AS FE)	10/14/75-09/08/76	13	360.	481.538	2000.	150.	227680.769	477.159	154.	255.	535.	1436.
01046	IRON, DISSOLVED (UG/L AS FE)	10/14/75-09/08/76	13	150.	131.538	230.	25.	4526.603	67.28	25.	75.	190.	218.
01055	MANGANESE, TOTAL (UG/L AS MN)	10/14/75-09/08/76	13	70.	80.769	220.	20.	2824.359	53.145	28.	40.	100.	188.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/14/75-09/08/76	13	50.	63.846	200.	5.	2621.474	51.2	5.	30.	85.	160.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	11/19/75-07/21/76	7	270.	2148.571	14000.	10.	27335180.952	5228.306	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	11/19/75-07/21/76	7	2.431	2.194	4.146	1.	1.202	1.096	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			156.194								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/19/75-09/08/76	13	370.	409.615	1200.	5.	187093.59	432.543	5.	5.	780.	1128.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/19/75-09/08/76	13	2.568	1.965	3.079	0.699	1.126	1.061	0.699	0.699	2.874	3.051
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			92.331								

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

Parameter Inventory for Station: OBRI0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/14/75-09/08/76	13	60.	73.077	180.	30.	2356.41	48.543	30.	40.	95.	172.
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/14/75-06/16/76	8	0.76	0.903	1.46	0.57	0.101	0.318	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/14/75-09/08/76	13	0.08	0.098	0.24	0.04	0.004	0.066	0.04	0.05	0.13	0.232

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

EPA Water Quality Criteria Analysis for Station: OBRI0123

				Total	Exceed	Prop.	7/01-10/14			10/15-3/14			3/15-6/30			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	13	0	0.00	4	0	0.00	4	0	0.00	5	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	14	1	0.07	4	1	0.25	5	0	0.00	5	0	0.00			
00400	PH	Fresh Chronic	9.	14	0	0.00	4	0	0.00	5	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	14	3	0.21	4	0	0.00	5	2	0.40	5	1	0.20			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	13	0	0.00	4	0	0.00	4	0	0.00	5	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.	13	0	0.00	4	0	0.00	4	0	0.00	5	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	13	0	0.00	4	0	0.00	4	0	0.00	5	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	7	1	0.14	1	1	1.00	4	0	0.00	2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	13	8	0.62	4	3	0.75	5	2	0.40	4	3	0.75			

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

Station Inventory for Station: OBRI0124

NPS Station ID: OBRI0124
LAT/LON: 35.974448/ -85.048615
Agency: 112WRD
Date Created: 01/21/84
Location: OBED RIVER 36.88
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 355828085025500
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208001023.33
RF3 Mile Point: 23.40
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/01/71-12/08/76	13	5.	10.423	70.	0.5	345.077	18.576	1.1	2.	8.	50.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/01/71-12/08/76	9	310.	260.333	420.	78.	18618.5	136.45	78.	87.5	360.	420.
00300	OXYGEN, DISSOLVED MG/L	06/01/71-12/08/76	9	3.8	4.639	10.	0.05	13.335	3.652	0.05	1.25	8.5	10.
00310	BOD, 5 DAY, 20 DEG C MG/L	06/01/71-12/08/76	11	3.	5.336	21.	1.3	36.129	6.011	1.36	1.8	6.	19.2
00400	PH (STANDARD UNITS)	07/06/71-12/08/76	8	7.	6.9	7.6	6.1	0.211	0.46	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/06/71-12/08/76	8	7.	6.678	7.6	6.1	0.268	0.517	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/71-12/08/76	8	0.1	0.21	0.794	0.025	0.064	0.254	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/06/76-12/08/76	3	23.	31.333	56.	15.	472.333	21.733	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/01/71-12/08/76	9	0.5	1.2	6.1	0.25	3.541	1.882	0.25	0.275	1.2	6.1
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/06/76-12/08/76	3	0.62	0.627	0.65	0.61	0.	0.021	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/01/71-12/08/76	9	2.48	2.714	7.5	0.19	5.288	2.3	0.19	0.519	3.855	7.5
00945	SULFATE, TOTAL (MG/L AS SO4)	06/01/71-12/08/76	9	15.	16.556	32.	1.	115.778	10.76	1.	8.5	28.5	32.
01045	IRON, TOTAL (UG/L AS FE)	10/06/76-12/08/76	3	330.	353.333	410.	320.	2433.333	49.329	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/06/76-12/08/76	3	50.	90.	170.	50.	4800.	69.282	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/01/71-10/06/76	11	3000.	18336.364	82000.	200.	725584545.455	26936.677	560.	2000.	37000.	75600.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	06/01/71-10/06/76	11	3.477	3.724	4.914	2.301	0.619	0.787	2.501	3.301	4.568	4.871
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			5295.08								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/01/71-12/08/76	10	210.	932.5	6700.	5.	4173295.833	2042.865	12.5	87.5	697.5	6108.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/01/71-12/08/76	10	2.314	2.356	3.826	0.699	0.655	0.809	0.819	1.941	2.843	3.733
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			226.793								

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

EPA Water Quality Criteria Analysis for Station: OBRI0124

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	8 &	4	0.50	4	3	0.75	3	1	0.33	1	0	0.00			
00400	PH	Fresh Chronic	9.	8	0	0.00	5	0	0.00	3	0	0.00						
		Other-Lo Lim.	6.5	8	2	0.25	5	1	0.20	3	1	0.33						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	1	0	0.00	2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	9	0	0.00	5	0	0.00	3	0	0.00	1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	11	10	0.91	7	7	1.00	1	1	1.00	3	2	0.67			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	10	5	0.50	5	3	0.60	4	1	0.25	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: OBRI0125

NPS Station ID: OBRI0125
LAT/LON: 35.974448/ -85.048615
Agency: 21TNWQ
Date Created: 06/19/82
Location: OBED R 36.9 AT HWY 70 N BRIDGE QUAD 109NE
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBEDIS04
RMI-Indexes: 1021500 007720 00920 7930 0250 1010
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 036.90
HUC: 06010208
Depth of Water: 2
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: CLINCH RIVER
ECO Region:
RF1 Index: 06010208013
RF1 Mile Point: 19.690
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 06010208001320.29
RF3 Mile Point: 20.28
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0125

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/29/79-03/29/79	1	11.4	11.4	11.4	11.4	0.	0.	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	03/29/79-03/29/79	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	03/29/79-03/29/79	1	41.	41.	41.	41.	0.	0.	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	03/29/79-03/29/79	1	41.	41.	41.	41.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/29/79-03/29/79	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/29/79-03/29/79	1	9.6	9.6	9.6	9.6	0.	0.	**	**	**	**
00308	BOD, NITROGEN INHIB.,TOTAL, 20 DAY, 20 DEG C MG/L	03/29/79-03/29/79	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00324	BOD, 20 DAY, 20 DEG C MG/L	03/29/79-03/29/79	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	03/29/79-03/29/79	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/29/79-03/29/79	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/29/79-03/29/79	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/29/79-03/29/79	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/29/79-03/29/79	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/29/79-03/29/79	1	61.	61.	61.	61.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/29/79-03/29/79	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/29/79-03/29/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/29/79-03/29/79	1	0.29	0.29	0.29	0.29	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/29/79-03/29/79	1	0.36	0.36	0.36	0.36	0.	0.	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	03/29/79-03/29/79	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/29/79-03/29/79	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/29/79-03/29/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/29/79-03/29/79	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	03/29/79-03/29/79	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/29/79-03/29/79	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	03/29/79-03/29/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	03/29/79-03/29/79	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/29/79-03/29/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/29/79-03/29/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/29/79-03/29/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/29/79-03/29/79	1	600.	600.	600.	600.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/29/79-03/29/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/29/79-03/29/79	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/29/79-03/29/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/29/79-03/29/79	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

Parameter Inventory for Station: OBRI0125

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/29/79-03/29/79	1	300.	300.	300.	300.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/29/79-03/29/79	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: OBRI0125

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	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			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: OBRI0126

NPS Station ID: OBRI0126
LAT/LON: 35.957505/ -85.050004
Agency: 112WRD
Date Created: 06/26/93
Location: OBED R AT CROSSVILLE TENN.
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03538600
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/06/92-09/20/95	13	11.	13.115	24.5	4.5	47.465	6.889	4.7	7.	20.	23.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/04/92-01/30/95	5	16.	13.8	23.	-1.	79.7	8.927	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/06/92-09/20/95	13	4.	10.468	37.	0.09	157.446	12.548	0.854	2.	18.	35.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/21/93-09/20/95	8	99.5	104.375	156.	67.	1085.125	32.941	**	**	**	**

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

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

Station Inventory for Station: OBRI0127

NPS Station ID: OBRI0127
LAT/LON: 35.961365/ -85.050532
Agency: 11NPSWRD
Date Created: 06/27/98
Location: OBED RIVER NEAR CROSSVILLE WWTP
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBRI_TDPH_OB2 /OBEDIS02
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208000109.53
RF3 Mile Point: 9.53
Distance from RF3: 0.48
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CROSSVILLE TN-CUMBERLAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE OUTSIDE OF THE OBED WILD AND SCENIC RIVER BOUNDARIES. THE SITE IS LOCATED AT THE OBED RIVER AT THE FINAL EFFLUENT OF THE CROSSVILLE WASTE WATER TREATMENT PLANT AT RIVER MILE 38.4. DATA WERE COLLECTED AT THIS SITE IN 1979 BY DAVID MELGAARD AND DAVID MCKINNEY; BIOLOGISTS WITH THE TENNESSEE DEPARTMENT OF PUBLIC HEALTH DIVISION OF WATER QUALITY CONTROL. THE DATA ARE PART OF A BIOLOGICAL INVENTORY USED TO ASSESS THE IMPACTS OF CROSSVILLE'S MUNICIPAL WASTE WATER TREATMENT PLANT ON THE OBED RIVER. DATA WERE SUMMARIZED IN A REPORT TITLED "BIOLOGICAL INVENTORY AND ASSESSMENT; OBED RIVER MILE 20.8 TO 38.6." ALL WATER QUALITY SAMPLES WERE ANALYZED BY THE STATE CENTRAL LABORATORY IN KNOXVILLE TENNESSEE. ADDITIONAL DATA FOR THIS STATION CAN BE FOUND UNDER AGENCY CODE: 21TNWQ AT THE STATION NAMED: OBEDIS02. DATA WERE UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525.

Parameter Inventory for Station: OBRI0127

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/29/79-03/29/79	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/29/79-03/29/79	1	4.11	4.11	4.11	4.11	0.	0.	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	03/29/79-03/29/79	1	0.83	0.83	0.83	0.83	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

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

Station Inventory for Station: OBRI0128

NPS Station ID: OBRI0128
LAT/LON: 35.957505/ -85.050560
Agency: 131TVAC
Date Created: / /
Location: ABOVE SEWAGE DISPOSAL PLANT
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475137 /3575
RMI-Indexes: 1021500 007720 00920 7930 0250 1010
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 038.85
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: CLINCH RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: OBED RIVER 38.85
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208001507.92
RF3 Mile Point: 8.03
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-11/02/71	18	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-11/02/71	17	17.	15.576	23.	3.	33.298	5.77	5.4	11.5	20.	22.84
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/67-11/02/71	17	5.	11.	86.	1.	404.75	20.118	1.8	3.	9.5	35.6
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/23/67-11/02/71	14	9.	19.571	80.	3.	647.495	25.446	3.5	4.	21.25	77.5
00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-11/02/71	15	20.	21.667	50.	5.	148.81	12.199	5.	10.	25.	41.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/67-11/02/71	15	90.	100.4	210.	35.	3537.971	59.481	35.6	40.	150.	192.
00300	OXYGEN, DISSOLVED MG/L	06/23/67-11/02/71	17	6.1	5.729	11.7	0.05	12.126	3.482	0.05	3.35	8.55	10.58
00304	BOD, 2 DAY, 20 DEG C MG/L	11/07/67-11/07/67	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-11/02/71	14	1.4	12.007	70.	0.5	592.938	24.35	0.5	0.5	8.75	69.
00335	COD, .025N K2CR2O7 MG/L	06/23/67-04/23/68	9	14.	46.444	250.	8.	6151.278	78.43	8.	10.5	48.5	250.
00400	PH (STANDARD UNITS)	06/23/67-11/02/71	16	6.95	6.819	7.8	5.7	0.33	0.574	5.98	6.275	7.275	7.52
00400	CONVERTED PH (STANDARD UNITS)	06/23/67-11/02/71	16	6.947	6.46	7.8	5.7	0.467	0.683	5.98	6.275	7.275	7.52
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/67-11/02/71	16	0.113	0.347	1.995	0.016	0.264	0.514	0.033	0.053	0.552	1.155
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/23/67-04/23/68	11	20.	25.091	51.	3.	343.891	18.544	4.	8.	48.	50.4
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/23/67-04/23/68	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500	RESIDUE, TOTAL (MG/L)	07/25/67-02/12/68	7	70.	94.286	190.	40.	3495.238	59.121	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/67-02/12/68	7	50.	78.571	170.	30.	2780.952	52.735	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/67-11/02/71	15	0.43	0.965	5.2	0.02	1.85	1.36	0.134	0.3	0.85	3.64
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/67-11/02/71	15	0.17	0.456	2.3	0.005	0.417	0.646	0.014	0.05	0.63	1.82
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/23/67-11/02/71	15	0.01	0.013	0.04	0.005	0.	0.01	0.005	0.005	0.02	0.028
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/23/67-11/02/71	15	0.11	0.152	0.36	0.025	0.011	0.104	0.028	0.06	0.25	0.318
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/67-11/02/71	15	0.065	0.271	1.532	0.023	0.204	0.452	0.027	0.033	0.248	1.278
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/67-04/23/68	9	0.033	0.166	1.043	0.007	0.112	0.335	0.007	0.013	0.149	1.043
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/01/71-11/02/71	6	0.083	0.203	0.815	0.016	0.094	0.307	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/23/67-11/02/71	16	11.5	10.969	24.	2.	47.482	6.891	2.7	4.	17.5	20.5
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/23/67-11/02/71	16	1.4	1.441	3.	0.25	0.672	0.82	0.425	0.6	2.	2.65
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-11/02/71	14	3.	3.4	9.2	0.1	7.306	2.703	0.4	1.075	5.875	7.8
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-11/02/71	14	1.9	3.329	19.	0.8	22.222	4.714	0.95	1.175	3.025	12.35
00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-11/02/71	17	5.	4.706	10.	2.	5.596	2.365	2.	2.5	6.	8.4
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-11/02/71	17	7.	7.912	19.	0.5	24.382	4.938	0.9	4.5	10.5	16.6
00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-04/23/68	9	4.	3.183	5.1	0.05	2.625	1.62	0.05	2.05	4.25	5.1
01042	COPPER, TOTAL (UG/L AS CU)	06/23/67-04/23/68	8 ##	5.	24.375	90.	5.	1067.411	32.671	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/23/67-04/23/68	10	1750.	2312.	5200.	420.	2672551.111	1634.794	438.	900.	3750.	5100.
01046	IRON, DISSOLVED (UG/L AS FE)	07/25/67-02/12/68	9	750.	1398.889	4500.	340.	1844186.111	1358.008	340.	370.	1950.	4500.
01047	IRON, FERROUS (UG/L AS FE)	07/25/67-04/23/68	9	150.	656.667	3200.	50.	1153200.	1073.872	50.	50.	1020.	3200.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/67-04/23/68	8	705.	1917.5	10000.	70.	11341478.571	3367.711	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/25/67-02/12/68	7	300.	578.571	2400.	50.	687880.952	829.386	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/23/67-04/23/68	9	60.	85.556	410.	5.	15971.528	126.379	5.	12.5	90.	410.

** - Less than 9 observations ## - 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: OBRI0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/23/67-11/02/71	11	25600.	24959.091	72000.	630.	667798089.091	25841.79	668.	1100.	39500.	69600.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	06/23/67-11/02/71	11	4.408	3.916	4.857	2.799	0.694	0.833	2.822	3.041	4.597	4.841
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			8239.694								
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/23/67-04/23/68	9	16000.	485461.111	3900000.	130.	**********	1283126.511	130.	360.	190000.	3900000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/23/67-04/23/68	9	4.204	4.084	6.591	2.114	2.345	1.531	2.114	2.556	5.263	6.591
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			12130.468								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/23/68	9	260.	7026.333	36000.	1.	178945075.75	13377.035	1.	33.	12800.	36000.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/23/67-04/23/68	9	2.415	2.522	4.556	0.	2.193	1.481	0.	1.391	3.792	4.556
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			332.913								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/23/67-11/02/71	12	2050.	9056.667	60000.	40.	352446278.788	18773.553	49.	92.5	3652.5	52500.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/23/67-11/02/71	12	3.312	3.033	4.778	1.602	1.077	1.038	1.675	1.966	3.557	4.708
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1079.832								
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	06/23/67-11/02/71	16	34.	33.313	68.	8.	373.429	19.324	8.7	12.5	51.5	57.5

** - 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: OBRI0128

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	14	2	0.14	7	1	0.14	4	1	0.25	3	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	15 &	3	0.20	8	2	0.25	4	1	0.25	3	0	0.00			
00400	PH	Fresh Chronic	9.	16	0	0.00	9	0	0.00	5	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	16	5	0.31	9	4	0.44	5	1	0.20	2	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	15	0	0.00	7	0	0.00	5	0	0.00	3	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	15	0	0.00	7	0	0.00	5	0	0.00	3	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	17	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00			
		Drinking Water	250.	17	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	17	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	3	0.38	3	0	0.00	3	1	0.33	2	2	1.00			
		Drinking Water	1300.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	9	1	0.11	3	1	0.33	4	0	0.00	2	0	0.00			
		Drinking Water	5000.	9	0	0.00	3	0	0.00	4	0	0.00	2	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	11	9	0.82	7	6	0.86	2	2	1.00	2	1	0.50			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	9	6	0.67	3	3	1.00	4	1	0.25	2	2	1.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	9	6	0.67	3	3	1.00	4	1	0.25	2	2	1.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	11 &	7	0.64	6	4	0.67	3	2	0.67	2	1	0.50			

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

Station Inventory for Station: OBRI0129

NPS Station ID: OBRI0129
LAT/LON: 35.961115/ -85.050837
Agency: 21TNWQ
Date Created: 06/19/82
Location: 100 YD D/S CROSSVILLE WWTP OBED R 38.4 QUAD109NE
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/MUN/OUTFL/AMBNT/STREAM
STORET Station ID(s): OBEDIS03
RMI-Indexes: 1021500 007720 00920 7930 0250 1010
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 038.40
HUC: 06010208
Depth of Water: 3
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: CLINCH RIVER
ECO Region:
RF1 Index: 06010208013
RF1 Mile Point: 20.820
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 06010208001320.29
RF3 Mile Point: 20.28
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/29/79-03/29/79	1	11.9	11.9	11.9	11.9	0.	0.	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	03/29/79-03/29/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	03/29/79-03/29/79	1	66.	66.	66.	66.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/29/79-03/29/79	1	187.	187.	187.	187.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/29/79-03/29/79	1	9.9	9.9	9.9	9.9	0.	0.	**	**	**	**
00308	BOD, NITROGEN INHIB.,TOTAL, 20 DAY, 20 DEG C MG/L	03/29/79-03/29/79	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/29/79-03/29/79	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	03/29/79-03/29/79	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00324	BOD, 20 DAY, 20 DEG C MG/L	03/29/79-03/29/79	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	03/29/79-03/29/79	1	59.	59.	59.	59.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/29/79-03/29/79	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/29/79-03/29/79	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/29/79-03/29/79	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/29/79-03/29/79	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/29/79-03/29/79	1	118.	118.	118.	118.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/29/79-03/29/79	1	111.	111.	111.	111.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/29/79-03/29/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/29/79-03/29/79	1	0.79	0.79	0.79	0.79	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/29/79-03/29/79	1	0.34	0.34	0.34	0.34	0.	0.	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	03/29/79-03/29/79	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/29/79-03/29/79	1	0.32	0.32	0.32	0.32	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/29/79-03/29/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/29/79-03/29/79	1	49.	49.	49.	49.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	03/29/79-03/29/79	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/29/79-03/29/79	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	03/29/79-03/29/79	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	03/29/79-03/29/79	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/29/79-03/29/79	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/29/79-03/29/79	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/29/79-03/29/79	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/29/79-03/29/79	1	400.	400.	400.	400.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/29/79-03/29/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/29/79-03/29/79	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/29/79-03/29/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/29/79-03/29/79	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: OBRI0129

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	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			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: OBRI0130

NPS Station ID: OBRI0130
LAT/LON: 35.960004/ -85.051116
Agency: 21TNWQ
Date Created: 06/19/82
Location: OBED R 38.6 AT HWY 70 W BRIDGE QUAD 109NE
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): OBEDIS01
RMI-Indexes: 1021500 007720 00920 7930 0250 1010
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 038.60
HUC: 06010208
Depth of Water: 2
Aquifer:
Major Basin: TENNESSEE RIVER
Elevation: 0
Water Body Id:
Minor Basin: CLINCH RIVER
ECO Region:
RF1 Index: 06010208013
RF1 Mile Point: 21.070
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 06010208001517.17
RF3 Mile Point: 17.16
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/29/79-03/29/79	1	11.4	11.4	11.4	11.4	0.	0.	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	03/29/79-03/29/79	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	03/29/79-03/29/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	03/29/79-03/29/79	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/29/79-03/29/79	1	64.	64.	64.	64.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/29/79-03/29/79	1	10.3	10.3	10.3	10.3	0.	0.	**	**	**	**
00308	BOD, NITROGEN INHIB.,TOTAL, 20 DAY, 20 DEG C MG/L	03/29/79-03/29/79	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00314	BOD, NITROGEN INHIB.,TOTAL, 5 DAY, 20 DEG C MG/L	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00324	BOD, 20 DAY, 20 DEG C MG/L	03/29/79-03/29/79	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	03/29/79-03/29/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/29/79-03/29/79	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/29/79-03/29/79	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/29/79-03/29/79	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/29/79-03/29/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/29/79-03/29/79	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/29/79-03/29/79	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/29/79-03/29/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/29/79-03/29/79	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/29/79-03/29/79	1	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	03/29/79-03/29/79	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/29/79-03/29/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/29/79-03/29/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/29/79-03/29/79	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	03/29/79-03/29/79	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/29/79-03/29/79	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	03/29/79-03/29/79	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	03/29/79-03/29/79	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/29/79-03/29/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/29/79-03/29/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/29/79-03/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/29/79-03/29/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/29/79-03/29/79	1	230.	230.	230.	230.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/29/79-03/29/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/29/79-03/29/79	1	48.	48.	48.	48.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/29/79-03/29/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/29/79-03/29/79	1	12.	12.	12.	12.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: OBRI0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/29/79-03/29/79	1	340.	340.	340.	340.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/29/79-03/29/79	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: OBRI0130

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	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			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: OBRI0131

NPS Station ID: OBRI0131 LAT/LON: 35.960198/ -85.051227 Agency: 11NPSWRD Date Created: 06/27/98
Location: OBED RIVER AT THE HIGHWAY 70 WEST BRIDGE FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): OBRI_TDPH_OB1 /OBEDIS01
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CROSSVILLE TN-CUMBERLAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE OUTSIDE OF THE OBED WILD AND SCENIC RIVER BOUNDARIES. THE SITE IS LOCATED UPSTREAM OF THE CROSSVILLE WASTE WATER TREATMENT PLANT NEAR THE HIGHWAY 70 WEST BRIDGE AT OBED RIVER MILE 38.6. DATA WERE COLLECTED AT THIS SITE IN 1979 BY DAVID MELGAARD AND DAVID MCKINNEY; BIOLOGISTS WITH THE TENNESSEE DEPARTMENT OF PUBLIC HEALTH DIVISION OF WATER QUALITY CONTROL. THE DATA ARE PART OF A BIOLOGICAL INVENTORY USED TO ASSESS THE IMPACTS OF CROSSVILLE'S MUNICIPAL WASTE WATER TREATMENT PLANT ON THE OBED RIVER. DATA WERE SUMMARIZED IN A REPORT TITLED "BIOLOGICAL INVENTORY AND ASSESSMENT; OBED RIVER MILE 20.8 TO 38.6." ALL WATER QUALITY SAMPLES WERE ANALYZED BY THE STATE CENTRAL LABORATORY IN KNOXVILLE TENNESSEE. ADDITIONAL DATA FOR THIS STATION CAN BE FOUND UNDER AGENCY CODE: 21TNWQ AT THE STATION NAMED: OBEDIS01. DATA WERE UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525.

Parameter Inventory for Station: OBRI0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/29/79-03/29/79	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/29/79-03/29/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/29/79-03/29/79	1	0.48	0.48	0.48	0.48	0.	0.	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	03/29/79-03/29/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

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

Station Inventory for Station: OBRI0132

NPS Station ID: OBRI0132 LAT/LON: 35.961142/ -85.051698 Agency: 11NPSWRD Date Created: 06/27/98
Location: OBED RIVER DOWNSTREAM OF THE CROSSVILLE WWTP FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): OBRI_TDPH_OB3 /OBEDIS03
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 06010208 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: MAIN STEM AND MINOR TRIBUTARIES ECO Region:
RF1 Index: 06010208 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010208000109.53 RF3 Mile Point: 9.53 Distance from RF3: 0.48 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE CROSSVILLE TN-CUMBERLAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE OUTSIDE OF THE OBED WILD AND SCENIC RIVER BOUNDARIES. THE SITE IS LOCATED AT THE OBED RIVER 100 YARDS DOWNSTREAM OF THE CROSSVILLE WASTE WATER TREATMENT PLANT NEAR RIVER MILE 38.4. DATA WERE COLLECTED AT THIS SITE IN 1979 BY DAVID MELGAARD AND DAVID MCKINNEY; BIOLOGISTS WITH THE TENNESSEE DEPARTMENT OF PUBLIC HEALTH DIVISION OF WATER QUALITY CONTROL. THE DATA ARE PART OF A BIOLOGICAL INVENTORY USED TO ASSESS THE IMPACTS OF CROSSVILLE'S MUNICIPAL WASTE WATER TREATMENT PLANT ON THE OBED RIVER. DATA WERE SUMMARIZED IN A REPORT TITLED "BIOLOGICAL INVENTORY AND ASSESSMENT; OBED RIVER MILE 20.8 TO 38.6." ALL WATER QUALITY SAMPLES WERE ANALYZED BY THE STATE CENTRAL LABORATORY IN KNOXVILLE TENNESSEE. ADDITIONAL DATA FOR THIS STATION CAN BE FOUND UNDER AGENCY CODE: 21TNWQ AT THE STATION NAMED: OBEDIS03. DATA WERE UPLOADED TO STORET BY SHAWNDRA MAWHORTER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525.

Parameter Inventory for Station: OBRI0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/29/79-03/29/79	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/29/79-03/29/79	1	1.51	1.51	1.51	1.51	0.	0.	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	03/29/79-03/29/79	1	0.32	0.32	0.32	0.32	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: OBRI0133

NPS Station ID: OBRI0133
LAT/LON: 35.960837/ -85.052226
Agency: 131TVAC
Date Created: / /
Location: BELOW SEWAGE DISPOSAL PLANT
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475182 /3572
RMI-Indexes: 1021500 007720 00920 7930 0250 1010
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 038.40
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: CLINCH RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: OBED RIVER 38.4
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 06010208001308.46
RF3 Mile Point: 8.73
Distance from RF3: 0.06
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-11/07/67	6	0.	0.333	1.	0.	0.267	0.516	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-11/07/67	6	17.85	17.017	21.7	9.2	21.494	4.636	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/07/67-11/07/67	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/23/67-06/23/67	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-11/07/67	6	25.	25.833	35.	20.	34.167	5.845	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/67-06/23/67	1	220.	220.	220.	220.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/23/67-11/07/67	6	3.6	4.117	10.4	0.4	11.29	3.36	**	**	**	**
00304	BOD, 2 DAY, 20 DEG C MG/L	06/23/67-11/07/67	6	2.55	84.767	490.	0.5	39425.187	198.558	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-11/07/67	5	4.9	182.52	900.	0.5	160871.887	401.088	**	**	**	**
00400	PH (STANDARD UNITS)	06/23/67-11/07/67	6	6.95	6.933	7.	6.8	0.007	0.082	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/23/67-11/07/67	6	6.947	6.927	7.	6.8	0.007	0.082	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/67-11/07/67	6	0.113	0.118	0.158	0.1	0.001	0.023	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/23/67-11/07/67	6	120.	173.333	430.	80.	17626.667	132.765	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/23/67-11/07/67	6	100.	131.667	270.	60.	7216.667	84.951	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-06/23/67	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-06/23/67	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-06/23/67	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-06/23/67	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-06/23/67	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/23/67-11/07/67	5	66000.	72260.	150000.	5300.	2694138000.	51905.086	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	06/23/67-11/07/67	5	4.82	4.68	5.176	3.724	0.31	0.556	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			47888.415								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/23/67-11/07/67	6	13900.	21966.667	60000.	1300.	560202666.667	23668.601	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/23/67-11/07/67	6	4.077	4.013	4.778	3.114	0.441	0.664	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10312.749								

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

EPA Water Quality Criteria Analysis for Station: OBRI0133

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	6	4	0.67	3	2	0.67	2	1	0.50	1	1	1.00			
00400	PH	Fresh Chronic	9.	6	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	6	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00			

& - 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: OBRI0133

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	5	5	1.00	3	3	1.00	1	1	1.00	1	1	1.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	6	6	1.00	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: OBRI0134

NPS Station ID: OBRI0134
LAT/LON: 35.964170/ -85.056392
Agency: 131TVAC
Date Created: / /
Location: WNW OF CROSSVILLE
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475183 /3569
RMI-Indexes: 1021500 007720 00920 7930 0250 1010
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 037.70
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: CLINCH RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: OBED RIVER 37.7
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 2.40
On/Off RF1:
RF3 Index: 06010208001320.29
RF3 Mile Point: 20.28
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0134

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	06/23/67-11/07/67	6	0.	0.167	1.	0.	0.167	0.408	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/67-11/07/67	6	17.85	17.083	22.	8.6	27.662	5.259	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/67-11/07/67	5	4.	8.8	27.	2.	106.7	10.33	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/23/67-06/23/67	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	06/23/67-11/07/67	6	32.5	92.5	400.	15.	22827.5	151.088	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/67-06/23/67	1	260.	260.	260.	260.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/23/67-11/07/67	6	2.85	3.308	10.3	0.05	14.098	3.755	**	**	**	**
00304	BOD, 2 DAY, 20 DEG C MG/L	06/23/67-11/07/67	6	2.6	8.133	36.	0.5	190.699	13.809	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/23/67-10/16/67	5	5.	25.42	110.	2.	2237.942	47.307	**	**	**	**
00400	PH (STANDARD UNITS)	07/25/67-11/07/67	5	6.8	6.88	7.1	6.8	0.017	0.13	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/25/67-11/07/67	5	6.8	6.866	7.1	6.8	0.017	0.131	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/67-11/07/67	5	0.158	0.136	0.158	0.079	0.001	0.035	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/23/67-11/07/67	6	100.	125.	270.	40.	7070.	84.083	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/23/67-11/07/67	6	85.	110.	250.	40.	6440.	80.25	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	06/23/67-06/23/67	1	11.2	11.2	11.2	11.2	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	06/23/67-06/23/67	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/67-06/23/67	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/67-06/23/67	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	06/23/67-06/23/67	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/25/67-11/07/67	4	235000.	265250.	510000.	81000.32043583333.333		179007.216	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/25/67-11/07/67	4	5.37	5.339	5.708	4.908	0.108	0.329	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			218325.504								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/25/67-11/07/67	5	57000.	120640.	450000.	2700.35070873000.		187272.19	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/25/67-11/07/67	5	4.756	4.54	5.653	3.431	0.76	0.872	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			34662.334								

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

EPA Water Quality Criteria Analysis for Station: OBRI0134

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5 &	4	0.80	3	3	1.00	1	0	0.00	1	1	1.00			
00400	PH	Fresh Chronic	9.	5	0	0.00	3	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	5	0	0.00	3	0	0.00	2	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: OBRI0134

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	4	4	1.00	3	3	1.00	1	1	1.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	5	5	1.00	3	3	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: OBRI0135

NPS Station ID: OBRI0135
LAT/LON: 35.955837/ -85.060004
Agency: 131TVAC
Date Created: / /
Location: ABOVE LAKE HOLIDAY DAM
FIPS State/County: 47035 TENNESSEE/CUMBERLAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475411 /3578
RMI-Indexes: 1021500 007720 00920 7930 0250 1010
Within Park Boundary: No
RMI-Miles: 0953.80 0046.50 567.70 004.36 028.47 040.15
HUC: 06010208
Depth of Water: 0
Aquifer:
Major Basin: CLINCH RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: OBED RIVER 40.15
ECO Region:
RF1 Index: 06010208
RF1 Mile Point: 0.000
Distance from RF1: 0.60
On/Off RF1:
RF3 Index: 06010208001304.41
RF3 Mile Point: 4.41
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: OBRI0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	09/28/67-11/02/71	12	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/28/67-11/02/71	12	18.5	17.6	26.	4.	48.611	6.972	4.9	12.55	23.5	25.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/28/67-11/02/71	11	3.	10.636	62.	1.	311.855	17.659	1.2	2.	11.	52.8
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/16/67-11/02/71	10	5.	10.7	55.	1.	260.456	16.139	1.1	2.75	11.25	51.
00080	COLOR (PLATINUM-COBALT UNITS)	09/28/67-11/02/71	12	12.5	14.167	30.	5.	90.152	9.495	5.	5.	22.5	30.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/16/67-11/02/71	10	30.	33.3	44.	29.	32.456	5.697	29.	29.75	37.	43.9
00300	OXYGEN, DISSOLVED MG/L	09/28/67-11/02/71	12	8.55	8.992	11.5	7.5	1.597	1.264	7.59	8.025	9.85	11.32
00304	BOD, 2 DAY, 20 DEG C MG/L	09/28/67-11/07/67	3	0.5	0.567	1.	0.2	0.163	0.404	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/28/67-11/02/71	12	1.1	1.525	4.6	0.5	1.793	1.339	0.5	0.5	1.85	4.36
00335	COD, .025N K2CR2O7 MG/L	10/16/67-04/23/68	5	11.	13.8	31.	7.	95.2	9.757	**	**	**	**
00400	PH (STANDARD UNITS)	09/28/67-11/02/71	11	7.2	7.227	8.1	5.9	0.364	0.603	6.08	6.9	7.6	8.08
00400	CONVERTED PH (STANDARD UNITS)	09/28/67-11/02/71	11	7.2	6.765	8.1	5.9	0.599	0.774	6.08	6.9	7.6	8.08
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/28/67-11/02/71	11	0.063	0.172	1.259	0.008	0.132	0.364	0.008	0.025	0.126	1.039
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/16/67-04/23/68	5	7.	6.	9.	2.	8.5	2.915	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	10/16/67-04/23/68	5	0.	0.	0.	0.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	09/28/67-02/12/68	6	45.	60.	130.	30.	1360.	36.878	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/28/67-02/12/68	6	35.	36.667	50.	30.	66.667	8.165	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	09/28/67-11/02/71	12	0.305	0.408	1.4	0.18	0.106	0.325	0.192	0.25	0.43	1.112
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/28/67-11/02/71	12	0.015	0.04	0.15	0.005	0.002	0.048	0.005	0.005	0.078	0.135
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/28/67-11/02/71	12 ##	0.005	0.009	0.03	0.005	0.	0.008	0.005	0.005	0.01	0.027
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/28/67-11/02/71	12	0.028	0.092	0.36	0.005	0.016	0.128	0.005	0.005	0.178	0.345
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/28/67-11/02/71	11	0.029	0.042	0.13	0.01	0.002	0.041	0.011	0.013	0.059	0.126
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/28/67-02/12/68	6	0.046	0.05	0.085	0.016	0.001	0.031	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/01/71-11/02/71	4	0.016	0.016	0.023	0.01	0.	0.005	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	10/16/67-11/02/71	10	3.	2.8	4.	1.	0.844	0.919	1.1	2.	3.25	4.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/16/67-11/02/71	10	0.5	0.51	0.6	0.4	0.005	0.074	0.4	0.475	0.6	0.6
00929	SODIUM, TOTAL (MG/L AS NA)	10/16/67-11/02/71	11	1.	0.873	1.1	0.4	0.046	0.215	0.46	0.7	1.	1.1
00937	POTASSIUM, TOTAL MG/L AS K)	10/16/67-11/02/71	11	1.	1.055	2.	0.8	0.109	0.33	0.8	0.9	1.1	1.82
00940	CHLORIDE,TOTAL IN WATER MG/L	10/16/67-11/02/71	10	2.5	2.5	4.	1.	0.722	0.85	1.1	2.	3.	3.9
00945	SULFATE, TOTAL (MG/L AS SO4)	10/16/67-11/02/71	10	1.5	3.	12.	0.5	12.389	3.52	0.5	0.875	4.25	11.3
00956	SILICA, TOTAL (MG/L AS SI02)	10/16/67-04/23/68	5	2.1	1.85	2.8	0.05	1.308	1.143	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/16/67-04/23/68	5	10.	52.	230.	5.	9907.5	99.536	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/28/67-04/23/68	6	655.	686.667	1100.	300.	84306.667	290.356	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/16/67-02/12/68	5	340.	342.	380.	300.	1120.	33.466	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	09/28/67-04/23/68	7 ##	25.	41.429	100.	25.	764.286	27.646	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/16/67-04/23/68	4	110.	107.5	140.	70.	891.667	29.861	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/16/67-02/12/68	4	80.	77.5	140.	10.	3891.667	62.383	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/16/67-04/23/68	6	90.	92.5	220.	5.	5437.5	73.739	**	**	**	**

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

Parameter Inventory for Station: OBRI0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	09/28/67-11/02/71	6	375.	2309.167	11000.	5.	18765164.167	4331.878	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	09/28/67-11/02/71	6	2.272	2.317	4.041	0.699	1.657	1.287	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			207.613								
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	10/16/67-04/23/68	5	62.	91.4	280.	17.	11475.8	107.125	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	10/16/67-04/23/68	5	1.792	1.764	2.447	1.23	0.199	0.446	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			58.041								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/16/67-04/23/68	5	6.	5.	11.	1.	17.5	4.183	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/16/67-04/23/68	5	0.778	0.52	1.041	0.	0.236	0.486	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.308								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/28/67-11/02/71	7 ##	5.	638.571	4000.	5.	2218030.952	1489.306	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/28/67-11/02/71	7 ##	0.699	1.528	3.602	0.699	1.372	1.171	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			33.762								
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	10/16/67-11/02/71	10	10.	9.3	12.	5.	4.678	2.163	5.2	7.75	10.5	12.

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

EPA Water Quality Criteria Analysis for Station: OBRI0135

				Total	Exceed	Prop.	----------7/01-10/14----------			----------10/15-3/14----------			----------3/15-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	10	1	0.10	3	0	0.00	5	1	0.20	2	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	12	0	0.00	4	0	0.00	6	0	0.00	2	0	0.00			
00400	PH	Fresh Chronic	9.	11	0	0.00	4	0	0.00	6	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	11	1	0.09	4	1	0.25	6	0	0.00	1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	12	0	0.00	4	0	0.00	6	0	0.00	2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	12	0	0.00	4	0	0.00	6	0	0.00	2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	10	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00			
		Drinking Water	250.	10	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	10	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5	1	0.20				4	0	0.00	1	1	1.00			
		Drinking Water	1300.	5	0	0.00				4	0	0.00	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	6	1	0.17				5	1	0.20	1	0	0.00			
		Drinking Water	5000.	6	0	0.00				5	0	0.00	1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6	2	0.33	4	1	0.25	1	1	1.00	1	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	5	0	0.00				4	0	0.00	1	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	5	0	0.00				4	0	0.00	1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	7	2	0.29	4	1	0.25	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

EPA Water Quality Criteria Analysis for Entire OBRI Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	330	13	0.04	108	7	0.06	152	5	0.03	70	1	0.01			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	72	6	0.08	24	1	0.04	30	2	0.07	18	3	0.17			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1080	5	0.00	244	4	0.02	477	1	0.00	359	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	488 &	31	0.06	180	22	0.12	197	4	0.02	111	5	0.05			
00400	PH	Fresh Chronic	9.	496	0	0.00	199	0	0.00	195	0	0.00	102	0	0.00			
		Other-Lo Lim.	6.5	496	111	0.22	199	50	0.25	195	34	0.17	102	27	0.26			
00403	PH, LAB	Fresh Chronic	9.	68	0	0.00	19	0	0.00	22	0	0.00	27	0	0.00			
		Other-Lo Lim.	6.5	68	10	0.15	19	2	0.11	22	4	0.18	27	4	0.15			
00406	PH, FIELD	Fresh Chronic	9.	1108	0	0.00	222	0	0.00	473	0	0.00	413	0	0.00			
		Other-Lo Lim.	6.5	1108	284	0.26	222	59	0.27	473	115	0.24	413	110	0.27			
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	3	2	0.67							3	2	0.67			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	172	0	0.00	71	0	0.00	73	0	0.00	28	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	1	0	0.00				1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	172	0	0.00	71	0	0.00	73	0	0.00	28	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	185	0	0.00	55	0	0.00	81	0	0.00	49	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	10	0	0.00	7	0	0.00				3	0	0.00			
		Drinking Water	0.2	10	0	0.00	7	0	0.00				3	0	0.00			
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION)	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.	1358	0	0.00	374	0	0.00	550	0	0.00	434	0	0.00			
		Drinking Water	250.	1358	0	0.00	374	0	0.00	550	0	0.00	434	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	3	0	0.00							3	0	0.00			
		Drinking Water	250.	3	0	0.00							3	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1566	3	0.00	426	2	0.00	640	1	0.00	500	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	3	0	0.00							3	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	23	0	0.00	11	0	0.00	6	0	0.00	6	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	64	0	0.00	16	0	0.00	30	0	0.00	18	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	90	0	0.00	27	0	0.00	38	0	0.00	25	0	0.00			
		Drinking Water	50.	90	0	0.00	27	0	0.00	38	0	0.00	25	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	13	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	6	0	0.00	1	0	0.00	3	0	0.00	2	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	135 &	10	0.07	36	0	0.00	55	1	0.02	44	9	0.20			
		Drinking Water	5.	135 &	9	0.07	36	0	0.00	55	0	0.00	44	9	0.20			
01034	CHROMIUM, TOTAL	Drinking Water	100.	156	7	0.04	39	0	0.00	57	7	0.12	60	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.	291 &	43	0.15	84	2	0.02	123	22	0.18	84	19	0.23			
		Drinking Water	1300.	310	0	0.00	84	0	0.00	123	0	0.00	103	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.	180 &	0	0.00	53	0	0.00	66	0	0.00	61	0	0.00			
		Drinking Water	15.	179 &	3	0.02	52	1	0.02	66	1	0.02	61	1	0.02			
01057	THALLIUM, DISSOLVED	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	2.	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			
01067	NICKEL, TOTAL	Fresh Acute	1400.	78	0	0.00	22	0	0.00	26	0	0.00	30	0	0.00			
		Drinking Water	100.	78	0	0.00	22	0	0.00	26	0	0.00	30	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	9 &	1	0.11	7	0	0.00	1	1	1.00	1	0	0.00			
		Drinking Water	100.	16	0	0.00	8	0	0.00	5	0	0.00	3	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			

& - 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 OBRI Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01092	ZINC, TOTAL	Fresh Acute	120.	295 &	29	0.10	76	6	0.08	135	18	0.13	84	5	0.06			
		Drinking Water	5000.	306	0	0.00	76	0	0.00	135	0	0.00	95	0	0.00			
01097	ANTIMONY, TOTAL	Fresh Acute	88.	1	0	0.00							1	0	0.00			
		Drinking Water	6.	1	0	0.00							1	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	13	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00			
		Drinking Water	50.	13	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00			
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVE	Drinking Water	4.	5	0	0.00	4	0	0.00				1	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	106	54	0.51	64	37	0.58	25	9	0.36	17	8	0.47			
31503	COLIFORM,TOT,MEMBRANE FILTR,DELAY. M-END	Other-Hi Lim.	1000.	263	10	0.04	74	7	0.09	107	0	0.00	82	3	0.04			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	115	50	0.43	30	14	0.47	62	24	0.39	23	12	0.52			
31613	FECAL COLIFORM, MEMBRANE FILTER, AGAR	Other-Hi Lim.	200.	54	4	0.07	13	2	0.15	22	2	0.09	19	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	115	32	0.28	30	14	0.47	62	12	0.19	23	6	0.26			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1012 &	111	0.11	243	46	0.19	428	38	0.09	341	27	0.08			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00			
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	0 &	0	0.00												
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32105	DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00							1	0	0.00			
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00							1	0	0.00			
		Drinking Water	1000.	1	0	0.00							1	0	0.00			
34205	ACENAPHTHENE, TOTAL	Fresh Acute	1700.	1	0	0.00							1	0	0.00			
34210	ACROLEIN, TOTAL	Fresh Acute	68.	1	0	0.00							1	0	0.00			
34215	ACRYLONITRILE, TOTAL	Fresh Acute	7550.	1	0	0.00							1	0	0.00			
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00							1	0	0.00			
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	1	0	0.00							1	0	0.00			
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	1	0	0.00							1	0	0.00			
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00							1	0	0.00			
		Drinking Water	700.	1	0	0.00							1	0	0.00			
34376	FLUORANTHENE, TOTAL	Fresh Acute	3980.	1	0	0.00							1	0	0.00			
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL	Fresh Acute	7.	0 &	0	0.00												
		Drinking Water	50.	1	0	0.00							1	0	0.00			
34396	HEXACHLOROETHANE, TOTAL	Fresh Acute	980.	1	0	0.00							1	0	0.00			
34403	IDENO (1,2,3-CD) PYRENE	Drinking Water	0.4	0 &	0	0.00												
34408	ISOPHORONE, TOTAL	Fresh Acute	117000.	1	0	0.00							1	0	0.00			
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	0 &	0	0.00												
34447	NITROBENZENE, TOTAL	Fresh Acute	27000.	1	0	0.00							1	0	0.00			
34452	PARACHLOROMETA CRESOL, TOTAL	Fresh Acute	30.	1	0	0.00							1	0	0.00			
34461	PHENANTHRENE, TOTAL	Fresh Acute	30.	1	0	0.00							1	0	0.00			
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	0 &	0	0.00												
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00							1	0	0.00			
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00							1	0	0.00			
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	0 &	0	0.00												
34531	1,2-DICHLOROETHANE, TOTAL	Fresh Acute	118000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	0 &	0	0.00												
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00							1	0	0.00			
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	0 &	0	0.00												
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00							1	0	0.00			
34551	1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	70.	1	0	0.00							1	0	0.00			
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00							1	0	0.00			
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00							1	0	0.00			
34586	2-CHLOROPHENOL, TOTAL	Fresh Acute	4380.	1	0	0.00							1	0	0.00			
34601	2,4-DICHLOROPHENOL, TOTAL	Fresh Acute	2020.	1	0	0.00							1	0	0.00			
34606	2,4-DIMETHYLPHENOL, TOTAL	Fresh Acute	2120.	1	0	0.00							1	0	0.00			
34611	2,4-DINITROTOLUENE, TOTAL	Fresh Acute	330.	1	0	0.00							1	0	0.00			
34653	P,P'-DDE, DISSOLVED	Fresh Acute	1050.	5	0	0.00	4	0	0.00				1	0	0.00			
34694	PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	Fresh Acute	10200.	1	0	0.00							1	0	0.00			
34696	NAPHTHALENE, TOTAL	Fresh Acute	2300.	1	0	0.00							1	0	0.00			

& - 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 OBRI Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14 Obs	7/01-10/14 Exceed	7/01-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-6/30 Obs	3/15-6/30 Exceed	3/15-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
38866	OXAMYL, DISSOLVED	Drinking Water	200.	5	0	0.00	4	0	0.00				1	0	0.00			
38933	CHLORPYRIFOS, DISSOLVED	Fresh Acute	0.083	5	0	0.00	4	0	0.00				1	0	0.00			
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	1	0	0.00							1	0	0.00			
		Drinking Water	1.	0 &	0	0.00												
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	Fresh Acute	2000.	1	0	0.00							1	0	0.00			
		Drinking Water	6.	1	0	0.00							1	0	0.00			
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	0 &	0	0.00												
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00							1	0	0.00			
		Drinking Water	5.	0 &	0	0.00												
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00							1	0	0.00			
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00							1	0	0.00			
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00							1	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	13	0	0.00	1	0	0.00				12	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	13	0	0.00	1	0	0.00				12	0	0.00			
		Drinking Water	0.2	13	0	0.00	1	0	0.00				12	0	0.00			
39341	GAMMA-BHC(LINDANE), DISSOLVED	Fresh Acute	2.	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			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	13	0	0.00	1	0	0.00				12	0	0.00			
		Drinking Water	2.	13	0	0.00	1	0	0.00				12	0	0.00			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	12	0	0.00	1	0	0.00				11	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	12	0	0.00	1	0	0.00				11	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	12	0	0.00	1	0	0.00				11	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	13	0	0.00	1	0	0.00				12	0	0.00			
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	2.5	5	0	0.00	4	0	0.00				1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	13	0	0.00	1	0	0.00				12	0	0.00			
		Drinking Water	2.	13	0	0.00	1	0	0.00				12	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	11 &	0	0.00							11	0	0.00			
		Drinking Water	3.	12	0	0.00							12	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	13	0	0.00	1	0	0.00				12	0	0.00			
		Drinking Water	0.4	13	0	0.00	1	0	0.00				12	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	13	0	0.00	1	0	0.00				12	0	0.00			
		Drinking Water	0.2	13	0	0.00	1	0	0.00				12	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	12	0	0.00	1	0	0.00				11	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	12	0	0.00	1	0	0.00				11	0	0.00			
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	0.065	5	0	0.00	4	0	0.00				1	0	0.00			
39632	ATRAZINE DISSOLVED IN WATER	Drinking Water	3.	5	0	0.00	4	0	0.00				1	0	0.00			
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	1	0	0.00							1	0	0.00			
		Drinking Water	1.	0 &	0	0.00												
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPL	Fresh Acute	90.	1	0	0.00							1	0	0.00			
39720	PICLORAM IN WHOLE WATER SAMPLE	Drinking Water	500.	11	0	0.00							11	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	11	0	0.00							11	0	0.00			
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE	Drinking Water	70.	5	0	0.00	4	0	0.00				1	0	0.00			
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	11	0	0.00							11	0	0.00			
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE	Drinking Water	50.	5	0	0.00	4	0	0.00				1	0	0.00			
46342	ALACHLOR (LASSO), WATER, DISSOLVED	Drinking Water	2.	5	0	0.00	4	0	0.00				1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	62	0	0.00	14	0	0.00	23	0	0.00	25	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	71	0	0.00	26	0	0.00	21	0	0.00	24	0	0.00			
71855	NITRITE NITROGEN, TOTAL (AS NO2)	Drinking Water	3.3	11	0	0.00				11	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	118	0	0.00	43	0	0.00	33	0	0.00	42	0	0.00			
		Drinking Water	2.	118	0	0.00	43	0	0.00	33	0	0.00	42	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	1047	10	0.01	231	3	0.01	453	6	0.01	363	1	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	74	1	0.01	17	0	0.00	26	1	0.04	31	0	0.00			

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

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Missing Level I Groups

There are STORET Data for Every Level I I&M Parameter Group Within the OBRI Study Area

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Present Level I Groups

STORET Data Within the OBRI Study Area Exist for These Groups:

Alkalinity		Total Obs.	01/01/85 to 12/01/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (UEQ/L)	3	3	0	0	3
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1469	846	435	188	84
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	214	0	51	163	16
00435	ACIDITY, TOTAL (MG/L AS CACO3)	116	1	43	72	26
00440	BICARBONATE ION (MG/L AS HCO3)	77	3	0	74	15
00445	CARBONATE ION (MG/L AS CO3)	12	0	0	12	8
		1891	853	529	509	152 (99)[!]

pH		Total Obs.	01/01/85 to 12/01/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00400	PH (STANDARD UNITS)	496	71	111	314	60
00403	PH, LAB (STANDARD UNITS)	68	33	35	0	27
00406	PH, FIELD (STANDARD UNITS)	1108	721	315	72	50
		1672	825	461	386	137(120)[!]

Conductivity		Total Obs.	01/01/85 to 12/01/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	150	73	77	0	41
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1548	823	397	328	79
		1698	896	474	328	120(120)[!]

Dissolved Oxygen		Total Obs.	01/01/85 to 12/01/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	1080	760	248	72	21
00300	OXYGEN, DISSOLVED (MG/L)	494	102	145	247	81
		1574	862	393	319	102(102)[!]

Water Temperature		Total Obs.	01/01/85 to 12/01/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	1736	922	490	324	113
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	72	0	0	72	6
		1808	922	490	396	119(119)[!]

Flow		Total Obs.	01/01/85 to 12/01/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00060	FLOW, STREAM, MEAN DAILY CFS	70	0	0	70	9
00061	FLOW, STREAM, INSTANTANEOUS CFS	437	42	160	235	57
00065	STAGE, STREAM (FEET)	1	1	0	0	1
		508	43	160	305	67 (61)[!]

[!]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Clarity/Turbidity		Total Obs.	01/01/85 to 12/01/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00070	TURBIDITY, (JACKSON CANDLE UNITS)	330	68	81	181	43
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	72	0	0	72	6
00077	TRANSPARENCY, SECCHI DISC (INCHES)	6	6	0	0	1
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	176	93	71	12	28
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	1047	804	243	0	12
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	74	3	71	0	26
		1705	974	466	265	116 (94)[1]

Nitrate/Nitrogen		Total Obs.	01/01/85 to 12/01/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	234	1	50	183	22
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	6	6	0	0	6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	345	97	65	183	38
00612	AMMONIA, UNIONZED (MG/L AS N)	109	109	0	0	10
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	2	0	0	2	1
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	172	0	0	172	18
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	6	6	0	0	6
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	99	41	58	0	36
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	185	102	71	12	32
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	6	6	0	0	6
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	62	0	62	0	20
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	71	3	0	68	12
71855	NITRITE NITROGEN, TOTAL (MG/L AS NO2)	11	0	11	0	11
		1308	371	317	620	218 (99)[1]

Phosphate/Phosphorus		Total Obs.	01/01/85 to 12/01/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	71	0	64	7	25
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	9	0	0	9	5
00665	PHOSPHORUS, TOTAL (MG/L AS P)	373	104	83	186	63
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	170	9	50	111	29
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	56	5	0	51	15
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	3	3	0	0	2
		682	121	197	364	139 (82)[1]

Chlorophyll		Total Obs.	01/01/85 to 12/01/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	3	3	0	0	1
		3	3	0	0	1 (1)[1]

Sulfates/Total Dissolved Solids/Hardness		Total Obs.	01/01/85 to 12/01/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00900	HARDNESS, TOTAL (MG/L AS CACO3)	1411	881	376	154	77
00945	SULFATE, TOTAL (MG/L AS SO4)	1566	860	411	295	95
00946	SULFATE, DISSOLVED (MG/L AS SO4)	3	3	0	0	3
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	147	4	66	77	23
		3127	1748	853	526	198(111)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Bacteria		Total Obs.	01/01/85 to 12/01/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
31501	COLIFORM, TOT, MEMBRANE FILTER,IMMED.M-ENDOMED,35C	106	0	19	87	18
31503	COLIFORM, TOT, MEMBRANE FILTER,DELAY,M-ENDOMED,35C	263	157	106	0	13
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	115	0	0	115	15
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	54	0	54	0	19
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	115	0	0	115	15
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	1013	791	127	95	43
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	6	6	0	0	6
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	37	5	32	0	24
		1709	959	338	412	153 (75)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Toxic Elements		Total Obs.	01/01/85 to 12/01/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
01097	ANTIMONY, TOTAL (UG/L AS SB)	1	1	0	0	1
01002	ARSENIC, TOTAL (UG/L AS AS)	90	68	22	0	17
01012	BERYLLIUM, TOTAL (UG/L AS BE)	6	1	5	0	3
01025	CADMIUM, DISSOLVED (UG/L AS CD)	1	1	0	0	1
01027	CADMIUM, TOTAL (UG/L AS CD)	137	91	46	0	40
01034	CHROMIUM, TOTAL (UG/L AS CR)	156	57	99	0	42
01040	COPPER, DISSOLVED (UG/L AS CU)	1	1	0	0	1
01042	COPPER, TOTAL (UG/L AS CU)	310	95	116	99	71
01049	LEAD, DISSOLVED (UG/L AS PB)	1	1	0	0	1
01051	LEAD, TOTAL (UG/L AS PB)	191	95	96	0	49
71900	MERCURY, TOTAL (UG/L AS HG)	118	63	55	0	40
01065	NICKEL, DISSOLVED (UG/L AS NI)	1	1	0	0	1
01067	NICKEL, TOTAL (UG/L AS NI)	78	51	27	0	27
01147	SELENIUM, TOTAL (UG/L AS SE)	13	1	12	0	10
01075	SILVER, DISSOLVED (UG/L AS AG)	1	1	0	0	1
01077	SILVER, TOTAL (UG/L AS AG)	16	1	15	0	10
01057	THALLIUM, DISSOLVED (UG/L AS TL)	1	1	0	0	1
01059	THALLIUM, TOTAL (UG/L AS TL)	1	1	0	0	1
01090	ZINC, DISSOLVED (UG/L AS ZN)	1	1	0	0	1
01092	ZINC, TOTAL (UG/L AS ZN)	306	95	101	110	71
00720	CYANIDE, TOTAL (MG/L AS CN)	10	3	7	0	10
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION) (MG/L)	1	0	0	1	1
34210	ACROLEIN, TOTAL (UG/L)	1	1	0	0	1
34215	ACRYLONITRILE, TOTAL (UG/L)	1	1	0	0	1
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	1	1	0	0	1
32104	BROMOFORM, WHOLE WATER, (UG/L)	1	1	0	0	1
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	1	1	0	0	1
34301	CHLOROBENZENE, TOTAL (UG/L)	1	1	0	0	1
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	1	1	0	0	1
34311	CHLOROETHANE, TOTAL (UG/L)	1	1	0	0	1
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	1	1	0	0	1
32106	CHLOROFORM, WHOLE WATER (UG/L)	1	1	0	0	1
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	1	1	0	0	1
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	1	1	0	0	1
34531	1,2-DICHLOROETHANE, TOTAL (UG/L)	1	1	0	0	1
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	1	1	0	0	1
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	1	1	0	0	1
34371	ETHYLBENZENE, TOTAL (UG/L)	1	1	0	0	1
34413	METHYL BROMIDE, TOTAL (UG/L)	1	1	0	0	1
34418	METHYL CHLORIDE, TOTAL (UG/L)	1	1	0	0	1
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	1	1	0	0	1
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	1	1	0	0	1
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	1	1	0	0	1
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	1	1	0	0	1
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	1	1	0	0	1
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	1	1	0	0	1
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	1	1	0	0	1
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1
34586	2-CHLOROPHENOL, TOTAL (UG/L)	1	1	0	0	1
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	1	1	0	0	1
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	1	1	0	0	1
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	1	1	0	0	1
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	1	1	0	0	1
34591	2-NITROPHENOL, TOTAL (UG/L)	1	1	0	0	1

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

	Toxic Elements - Continued ...	Total Obs.	01/01/85 to 12/01/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
34646	4-NITROPHENOL, TOTAL (UG/L)	1	1	0	0	1
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	1	1	0	0	1
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	1	1	0	0	1
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	1	1	0	0	1
34205	ACENAPHTHENE, TOTAL (UG/L)	1	1	0	0	1
34200	ACENAPHTHYLENE, TOTAL (UG/L)	1	1	0	0	1
34220	ANTHRACENE, TOTAL (UG/L)	1	1	0	0	1
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	1	1	0	0	1
34247	BENZO-A-PYRENE, TOTAL (UG/L)	1	1	0	0	1
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	1	1	0	0	1
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	1	1	0	0	1
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	1	1	0	0	1
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	1	1	0	0	1
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	1	1	0	0	1
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	1	1	0	0	1
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	1	1	0	0	1
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	1	1	0	0	1
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	1	1	0	0	1
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	1	1	0	0	1
34320	CHRYSENE, TOTAL (UG/L)	1	1	0	0	1
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	1	1	0	0	1
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	1	1	0	0	1
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	1	1	0	0	1
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	1	1	0	0	1
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	1	1	0	0	1
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	1	1	0	0	1
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	1	1	0	0	1
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	1	1	0	0	1
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	1	1	0	0	1
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	1	1	0	0	1
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	1	1	0	0	1
34376	FLUORANTHENE, TOTAL (UG/L)	1	1	0	0	1
34381	FLUORENE, TOTAL (UG/L)	1	1	0	0	1
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	1	1	0	0	1
34396	HEXACHLOROETHANE, TOTAL (UG/L)	1	1	0	0	1
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	1	1	0	0	1
34408	ISOPHORONE, TOTAL (UG/L)	1	1	0	0	1
34696	NAPHTHALENE, TOTAL (UG/L)	1	1	0	0	1
34447	NITROBENZENE, TOTAL (UG/L)	1	1	0	0	1
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	1	1	0	0	1
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	1	1	0	0	1
34461	PHENANTHRENE, TOTAL (UG/L)	1	1	0	0	1
34469	PYRENE, TOTAL (UG/L)	1	1	0	0	1
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	1	1	0	0	1
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	13	1	12	0	13
34253	A-BHC-ALPHA, DISSOLVED (UG/L)	5	5	0	0	5
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	1	1	0	0	1
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	1	1	0	0	1
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	13	1	12	0	13
39341	GAMMA-BHC(LINDANE), DISSOLVED (UG/L)	5	5	0	0	5
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	1	1	0	0	1

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Toxic Elements - Continued ...		Total Obs.	01/01/85 to 12/01/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	13	1	12	0	13
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	12	0	12	0	12
34653	P,P'-DDE, DISSOLVED (UG/L)	5	5	0	0	5
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	12	0	12	0	12
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	12	0	12	0	12
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	13	1	12	0	13
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	5	5	0	0	5
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	1	1	0	0	1
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	1	1	0	0	1
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	1	1	0	0	1
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	13	1	12	0	13
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	13	1	12	0	13
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	13	1	12	0	13
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	12	1	11	0	12
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	12	1	11	0	12
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	12	1	11	0	12
34671	PCB - 1016, TOTAL (UG/L)	1	1	0	0	1
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	12	1	11	0	12
		1730	755	765	210	689 (77)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Park Summary: Level I Group Currentness and Distribution

Parameter Group	Total Obs.	Obs. Since 1985	% Obs. Since 1985	Stations Measuring This Group	% of Total Stations Measuring This Group	Obs. Per Station Measuring This Group	Period of Record For This Group	Observations Per Year of Period of Record
Alkalinity	1891	853	45.1	99	75.0	19.1	02/02/65-12/01/98	55.9
pH	1672	825	49.3	120	90.9	13.9	02/02/65-12/01/98	49.4
Conductivity	1698	896	52.8	120	90.9	14.2	02/02/65-12/01/98	50.2
Dissolved Oxygen	1574	862	54.8	102	77.3	15.4	06/23/67-12/01/98	50.1
Water Temperature	1808	922	51.0	119	90.2	15.2	10/30/64-12/01/98	53.0
Flow	508	43	8.5	61	46.2	8.3	02/02/65-12/01/98	15.0
Clarity/Turbidity	1705	974	57.1	94	71.2	18.1	06/23/67-12/01/98	54.2
Nitrate/Nitrogen	1308	371	28.4	99	75.0	13.2	02/02/65-12/01/98	38.7
Phosphate/Phosphorus	682	121	17.7	82	62.1	8.3	05/22/65-12/01/98	20.3
Chlorophyll	3	3	100.0	1	0.8	3.0	06/19/91-12/11/91	3.0[!]
Sulfates/Total Dissolved Solids/Hardness	3127	1748	55.9	111	84.1	28.2	02/02/65-12/01/98	92.4
Bacteria	1709	959	56.1	75	56.8	22.8	06/23/67-12/01/98	54.4
Toxic Elements	1730	755	43.6	77	58.3	22.5	06/23/67-12/01/98	55.0

[!]Period of record for this parameter group was less than one year. Value shown is the total observations.

Water Quality Observations
Outside STORET Edit Criteria for OBRI

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
OBRI0023	01051	LEAD, TOTAL (UG/L AS PB)	800608		3500.0000000	11NPSWRD	OBRI_NPS_E1	
OBRI0027	01051	LEAD, TOTAL (UG/L AS PB)	800608		3500.0000000	11NPSWRD	OBRI_NPS_E2	
OBRI0035	01055	MANGANESE, TOTAL (UG/L AS MN)	830718	0920	6900.0000000	11NPSWRD	OBRI_NPS_RC-1	
OBRI0035	01055	MANGANESE, TOTAL (UG/L AS MN)	830816	1015	6400.0000000	11NPSWRD	OBRI_NPS_RC-1	
OBRI0035	01055	MANGANESE, TOTAL (UG/L AS MN)	830919	0905	7900.0000000	11NPSWRD	OBRI_NPS_RC-1	
OBRI0035	01055	MANGANESE, TOTAL (UG/L AS MN)	860918	0850	5400.0000000	11NPSWRD	OBRI_NPS_RC-1	
OBRI0035	01055	MANGANESE, TOTAL (UG/L AS MN)	880623	1015	5100.0000000	11NPSWRD	OBRI_NPS_RC-1	
OBRI0035	01055	MANGANESE, TOTAL (UG/L AS MN)	880810	1015	5600.0000000	11NPSWRD	OBRI_NPS_RC-1	
OBRI0035	01055	MANGANESE, TOTAL (UG/L AS MN)	881019	0935	5500.0000000	11NPSWRD	OBRI_NPS_RC-1	
OBRI0035	01055	MANGANESE, TOTAL (UG/L AS MN)	910204	0920	5500.0000000	11NPSWRD	OBRI_NPS_RC-1	
OBRI0037	01051	LEAD, TOTAL (UG/L AS PB)	800608		3500.0000000	11NPSWRD	OBRI_NPS_R2	
OBRI0045	01055	MANGANESE, TOTAL (UG/L AS MN)	790626		9500.0000000	11NPSWRD	OBRI_USFW_C1	
OBRI0049	01051	LEAD, TOTAL (UG/L AS PB)	800608		3500.0000000	11NPSWRD	OBRI_NPS_C4	
OBRI0055	01051	LEAD, TOTAL (UG/L AS PB)	800608		3500.0000000	11NPSWRD	OBRI_NPS_C3	
OBRI0064	01051	LEAD, TOTAL (UG/L AS PB)	800608		3500.0000000	11NPSWRD	OBRI_NPS_O4	
OBRI0070	01051	LEAD, TOTAL (UG/L AS PB)	800608		3500.0000000	11NPSWRD	OBRI_NPS_D1	
OBRI0077	01051	LEAD, TOTAL (UG/L AS PB)	800608		3500.0000000	11NPSWRD	OBRI_NPS_C2	
OBRI0090	01051	LEAD, TOTAL (UG/L AS PB)	800608		3500.0000000	11NPSWRD	OBRI_NPS_C1	
OBRI0098	01051	LEAD, TOTAL (UG/L AS PB)	800608		3500.0000000	11NPSWRD	OBRI_NPS_O3	
OBRI0105	01051	LEAD, TOTAL (UG/L AS PB)	800608		3500.0000000	11NPSWRD	OBRI_NPS_O2	
OBRI0110	01055	MANGANESE, TOTAL (UG/L AS MN)	910905	1301	6540.0000000	21TNWQ	BYRDLAKE	
OBRI0128	01055	MANGANESE, TOTAL (UG/L AS MN)	670725	1210	10000.0000000	131TVAC	475137	
OBRI0133	00310	BOD, 5 DAY, 20 DEG C MG/L	671016	1005	900.0000000	131TVAC	475182	

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) OBRITABS.ZIP

This compressed file contains all the tables presented in the report. The files compressed into this file include:

(a) OBRISITE.DOC - Descriptive listing of select fields from the industrial facilities discharges, drinking water intakes, and EPA-USGS stream gages databases.

(b) OBRIAGNC.DOC - Contacts for agencies whose data were retrieved within the study area.

(c) OBRIAGNQ.DOC - Number of stations, observations, and parameters retrieved by agency code within the study area and park.

(d) OBRIOV0.DOC - Overview of park and retrieved data.

(e) OBRIOV1.DOC - Station period of record table.

(f) OBRIOV2.DOC - Parameter period of record table.

(g) OBRIOV3.DOC - Station/parameter period of record table.

(h) OBRIINV.DOC - Station by station descriptive statistics over the entire period of record and comparison against EPA Water Quality Criteria for each station.

(i) OBRISEAN.DOC - Seasonal and annual water quality descriptive statistics at stations with water quality data meeting the default seasonal and annual criteria.

(j) OBRIEPAS.DOC - EPA Water Quality Criteria comparison for data at all stations combined within the study area.

(k) OBRIIDEA.DOC - Comparison of downloaded STORET data with NPS Servicewide Inventory and Monitoring Program "Level I" water quality parameters.

(l) OBRIBAD.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 OBRIOV1.DOC is in the subdirectory C:\WATER, you could type: PRINT C:\WATER\OBRIOV1.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) OBRIFIGS.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 OBRI0001. 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 OBRI0001) 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) OBRIPARM.ZIP

This file compresses OBRIPARM.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) OBRISITE.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) OBRIWQ.DBF - All water quality monitoring station locations within the project's study area downloaded from STORET.

(b) OBRIIFD.DBF - All municipal and industrial facility discharges within the project's study area downloaded from the IFD database.

(c) OBRIDRIN.DBF - All drinking water intakes within the project's study area downloaded from the DRINKS database.

(d) OBRIGAGE.DBF - All water gages within the project's study area downloaded from the GAGES database.

(e) OBRIDAMS.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) OBRIMISC.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) OBRIEXEC.DOC - WordPerfect Ver. 5.1 copy of the Executive Summary in the report.

(b) OBRITOC.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) OBRIREGI - PCL and CLP (Windows Clipboard) copies of map displaying the regional location of the park and study area.

(f) OBRIWQ - 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 (OBRIWQA, OBRIWQB, OBRIWQC, etc.) and the index map name will end with an ampersand (&).

(g) OBRIIDG - 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 (OBRIIDGA, OBRIIDGB, OBRIIDGC, 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) OBRISEHY - 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 OBRIFIGS.ZIP and OBRITABS.ZIP, you can use the PRINTZIP program to print any of the PCL files in OBRIMISC.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) OBRIRF3.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) OBRIWQMW.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: OBRIPARM.DBF in OBRIPARM.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: OBRIPARM.DBF in OBRIPARM.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: OBRIPARM.DBF in OBRIPARM.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: OBRIWQ.DBF in OBRISITE.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: OBRIWQ.DBF in OBRISITE.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: OBRIIFD.DBF in OBRISITE.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: OBRIIFD.DBF in OBRISITE.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: OBRIIFD.DBF in OBRISITE.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: OBRIDRIN.DBF in OBRISITE.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: OBRIDRIN.DBF in OBRISITE.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: OBRIDRIN.DBF in OBRISITE.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: OBRIGAGE.DBF in OBRISITE.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: OBRIGAGE.DBF in OBRISITE.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: OBRIDAMS.DBF in OBRISITE.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: OBRIDAMS.DBF in OBRISITE.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: OBRIDAMS.DBF in OBRISITE.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: OBRIDAMS.DBF in OBRISITE.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 OBRIRF3.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 OBRIRF3.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 OBRIRF3.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 OBRIRF3.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 OBRIRF3.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 OBRIRF3.ZIP
First Line = Catalog Unit Number (8 Characters)
Subsequent Lines:
L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS, ...
Example:
02070010
L=391259,L=0770809,L=391220,L=0770749,L=391147,L=0770715,L=391120,L=0770633,
L=391058,L=0770535,L=391042,L=0770520,L=391016,L=0770427,L=390948,L=0770416,
L=390526,L=0765331,L=390500,L=0765149,L=390456,L=0765139,L=390357,L=0765123,
...
L=390744,L=0771007,L=390826,L=0771022,L=390910,L=0771022,L=390950,L=0771003,
L=391107,L=0770922,
There can be as many as four latitude/longitude pairs per line.

The following table provides the DBASE III+ database field structure of the Water Resources Division's "encyclopedia" file that documents the minimum and maximum parameter values found and the park(s) where they occurred. This file is intended for Water Resources Division internal use, but will be available to anyone upon request after Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks.

Encyclopedia File: WRD File For Internal Use Only				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
PARM	1	5	5	STORET Parameter Code
PARMNAME	6	45	40	Parameter Name
MINVAL	46	61	16.7	Minimum Value
MINVALPARK	62	65	4	Park Unit with Minimum Value
MAXVAL	66	71	16.7	Maximum Value
MAXVALPARK	72	75	4	Park Unit with Maximum Value

Appendix C

STORET Water Quality Control/Edit Checking

The following table provides the high and low values used by STORET since November 1983 for 190 common water quality parameters to screen or error check data. Data entered into STORET prior to November 1983, however, were not subjected to this edit/bounds check. Additionally, data from the USGS WATSTORE system that is loaded into STORET is never subjected to these edit criteria and agencies entering data in STORET can override these edit criteria to enter data values that fall outside a range. As a consequence, all data downloaded from STORET for the purposes of this project were filtered through these edit criteria to document values outside the generally accepted ranges. Decisions were then made on a case-by-case basis to retain or discard obviously incorrect data. Refer to the Water Quality Observations Outside STORET Edit Criteria section of the Interpretive Guide To Water Quality Results chapter for more information on this subject.

STORET Code	STORET Parameter Description	High Value	Low Value
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	37.0	-2.0
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	98.0	31.0
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	52.0	-40.0
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	125.0	-40.0
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE	1990.9	1977.0
00032	CLOUD COVER (PERCENT)	101.0	0.0
00035	WIND VELOCITY (MILES PER HOUR)	85.0	0.0
00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	361.0	0.0
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	15.0	0.0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	1500.0	0.0
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	101.0	0.0
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	500.0	0.0
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	1000.0	0.0
00077	TRANSPARENCY, SECCHI DISC (INCHES)	600.0	0.0
00080	COLOR (PLATINUM-COBALT UNITS)	500.0	0.0
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	500.0	0.0
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	250.0	0.0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	60000.0	1.0
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	60000.0	1.0
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	30.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00300	OXYGEN, DISSOLVED (MG/L)	30.0	0.0
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION%	200.0	0.0
00310	BOD, 5 DAY, 20 DEG C (MG/L)	150.0	0.0
00335	COD, .025N K2CR2O7 (MG/L)	1000.0	0.0
00340	COD, .25N K2CR2O7 (MG/L)	1000.0	0.0
00365	CHLORINE DEMAND, 15 MINUTE (MG/L)	15.0	0.0
00400	PH (STANDARD UNITS)	12.0	0.9
00403	PH, LAB, STANDARD UNITS, (STANDARD UNITS)	12.0	0.9
00405	CARBON DIOXIDE (MG/L AS CO2)	100.0	0.0
00406	PH, FIELD (STANDARD UNITS)	12.0	0.9
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	750.0	0.0
00435	ACIDITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	1000.0	0.0
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	750.0	0.0
00440	BICARBONATE ION (MG/L AS HCO3)	450.0	0.0
00445	CARBONATE ION (MG/L AS CO3)	100.0	0.0
00480	SALINITY - PARTS PER THOUSAND	40.0	0.0
00500	RESIDUE, TOTAL (MG/L)	15000.0	0.0
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10000.0	0.0
00510	RESIDUE, TOTAL FIXED (MG/L)	10000.0	0.0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), (MG/L)	20000.0	0.0
00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	10000.0	0.0
00525	RESIDUE, FIXED FILTRABLE (MG/L)	10000.0	0.0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10000.0	0.0
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10000.0	0.0
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10000.0	0.0
00545	RESIDUE, SETTLEABLE (ML/L)	1000.0	0.0
00546	RESIDUE, SETTLEABLE (MG/L)	1000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC., (MG/L)	250.0	0.0
00600	NITROGEN, TOTAL (MG/L AS N)	100.0	0.0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	15.0	0.0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	25.0	0.0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	20.0	0.0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	5.0	0.0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	50.0	0.0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	50.0	0.0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	55.0	0.0
00635	NITROGEN, AMMONIA & ORG., TOTAL 1 DET (MG/L AS N)	70.0	0.0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	30.0	0.0
00653	PHOSPHATE, TOTAL SOLUBLE (MG/L)	30.0	0.0
00655	PHOSPHATE, POLY (MG/L AS PO4)	30.0	0.0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	30.0	0.0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10.0	0.0
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10.0	0.0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	100.0	0.0
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	100.0	0.0
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	100.0	0.0
00690	CARBON, TOTAL (MG/L AS C)	150.0	0.0
00720	CYANIDE, TOTAL (MG/L AS CN)	10.0	0.0
00745	SULFIDE, TOTAL (MG/L AS S)	1500.0	0.0
00746	SULFIDE, DISSOLVED (MG/L AS S)	1500.0	0.0
00760	SULFITE WASTE LIQUOR, PEARL BENSON INDEX (MG/L)	150.0	0.0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	5000.0	0.0
00910	CALCIUM (MG/L AS CACO3)	3000.0	0.0
00915	CALCIUM, DISSOLVED (MG/L AS CA)	1000.0	0.0
00916	CALCIUM, TOTAL (MG/L AS CA)	1000.0	0.0
00920	MAGNESIUM (MG/L AS CACO3)	3000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	1000.0	0.0
00927	MAGNESIUM, TOTAL (MG/L AS MG)	1000.0	0.0
00929	SODIUM, TOTAL (MG/L AS NA)	5000.0	0.0
00930	SODIUM, DISSOLVED (MG/L AS NA)	5000.0	0.0
00931	SODIUM ADSORPTION RATIO	50.0	0.0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	175.0	0.0
00937	POTASSIUM, TOTAL MG/L AS K)	175.0	0.0
00940	CHLORIDE, TOTAL IN WATER, (MG/L)	22000.0	0.0
00945	SULFATE, TOTAL (MG/L AS SO4)	2500.0	0.0
00946	SULFATE, DISSOLVED (MG/L AS SO4)	2500.0	0.0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	15.0	0.0
00951	FLUORIDE, TOTAL (MG/L AS F)	15.0	0.0
00955	SILICA, DISSOLVED (MG/L AS SI02)	2000.0	0.0
00956	SILICA, TOTAL (MG/L AS SI02)	2000.0	0.0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	5000.0	0.0
01002	ARSENIC, TOTAL (UG/L AS AS)	5000.0	0.0
01005	BARIUM, DISSOLVED (UG/L AS BA)	2000.0	0.0
01007	BARIUM, TOTAL (UG/L AS BA)	2000.0	0.0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	2000.0	0.0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	2000.0	0.0
01020	BORON, DISSOLVED (UG/L AS B)	5000.0	0.0
01022	BORON, TOTAL (UG/L AS B)	5000.0	0.0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	500.0	0.0
01027	CADMIUM, TOTAL (UG/L AS CD)	500.0	0.0
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	2000.0	0.0
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	2000.0	0.0
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	2000.0	0.0
01034	CHROMIUM, TOTAL (UG/L AS CR)	2000.0	0.0
01040	COPPER, DISSOLVED (UG/L AS CU)	2000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
01042	COPPER, TOTAL (UG/L AS CU)	5000.0	0.0
01045	IRON, TOTAL (UG/L AS FE)	56000.0	0.0
01046	IRON, DISSOLVED (UG/L AS FE)	56000.0	0.0
01047	IRON, FERROUS (UG/L AS FE)	56000.0	0.0
01049	LEAD, DISSOLVED (UG/L AS PB)	1000.0	0.0
01051	LEAD, TOTAL (UG/L AS PB)	1000.0	0.0
01055	MANGANESE, TOTAL (UG/L AS MN)	5000.0	0.0
01056	MANGANESE, DISSOLVED (UG/L AS MN)	5000.0	0.0
01065	NICKEL, DISSOLVED (UG/L AS NI)	2000.0	0.0
01067	NICKEL, TOTAL (UG/L AS NI)	2000.0	0.0
01075	SILVER, DISSOLVED (UG/L AS AG)	5000.0	0.0
01077	SILVER, TOTAL (UG/L AS AG)	5000.0	0.0
01090	ZINC, DISSOLVED (UG/L AS ZN)	25000.0	0.0
01092	ZINC, TOTAL (UG/L AS ZN)	25000.0	0.0
01105	ALUMINUM, TOTAL (UG/L AS AL)	20000.0	0.0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	20000.0	0.0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	100.0	0.0
01501	ALPHA, TOTAL	200.0	0.0
01503	ALPHA, DISSOLVED	75.0	0.0
01505	ALPHA, SUSPENDED	150.0	0.0
03501	BETA, TOTAL	3500.0	0.0
03503	BETA, DISSOLVED	3000.0	0.0
03505	BETA, SUSPENDED	1500.0	0.0
09503	RADIUM 226, DISSOLVED	500.0	0.0
13501	STRONTIUM 90, TOTAL	500.0	0.0
22703	URANIUM, NATURAL, DISSOLVED	500.0	0.0
31501	COLIFORM, TOT,MEMBRANE FILTER,IMMED.M-ENDO MED, 35C	24000000.0	0.0
31502	COLIFORM, TOTAL, 10/ML	24000000.0	0.0
31503	COLIFORM, TOT,MEMBR FILTER, DELAYED,M-ENDO MED, 35C	24000000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
31504	COLIFORM, TOT,MEMBR FILTER,IMMED,LES ENDO AGAR, 35C	24000000.0	0.0
31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR,44.5C, 24HR	10000000.0	0.0
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	10000000.0	0.0
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH, 44.5C	10000000.0	0.0
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48HR	500000.0	0.0
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	500000.0	0.0
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	500000.0	0.0
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR,35C,48H	500000.0	0.0
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	99999999.0	0.0
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	99999999.0	0.0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	500.0	0.0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	750.0	0.0
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	1000.0	0.0
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	200.0	0.0
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	500.0	0.0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	200.0	0.0
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	2.0	0.0
32221	CHLOROPHYLL A,% OF(PHEOPHYTIN A+CHL A),SPEC-ACID.	101.0	0.0
32230	CHLOROPHYLL A (MG/L)	0.5	0.0
32231	CHLOROPHYLL B (MG/L)	0.8	0.0
32232	CHLOROPHYLL C (MG/L)	0.2	0.0
32234	CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	1.0	0.0
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	5.0	0.0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	1500.0	0.0
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10.0	0.0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39340	GAMMA-BHC(LINDANE),WHOLE WATER, (UG/L)	20.0	0.0
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER, (UG/L)	20.0	0.0
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	5.0	0.0
60050	ALGAE, TOTAL (CELLS/ML)	700000.0	0.0
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	4000.0	0.0
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10.0	0.0
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10.0	0.0
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	65.0	0.0
71886	PHOSPHORUS, TOTAL, AS PO4 - (MG/L)	30.0	0.0
71890	MERCURY, DISSOLVED (UG/L AS HG)	10.0	0.0
71895	MERCURY, SUSPENDED (UG/L AS HG)	10.0	0.0
71900	MERCURY, TOTAL (UG/L AS HG)	10.0	0.0
74010	IRON, TOTAL (MG/L AS FE)	56000.0	0.0

Appendix D

STORET Administrative Parameters

STORET Code	Description of STORET Administrative Parameters
00022	LENGTH OF EXPOSURE OF SAMPLE OR TEST - DAYS
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00073	SAMPLE LOC CODE DEFINED BY THERMAL STRUCT & DEPTH
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
00116	INTENSIVE SURVEY IDENTIFICATION NUMBER
00145	TOTAL PRODUCTION OF PRODUCT MANUFACTURED TONS/DAY
01273	TOTAL ACID PRIORITY POLLUTANTS MG/L
01274	TOTAL BASE-NEUTRAL PRIORITY POLLUTANTS MG/L
01275	TOTAL VOLATILE PRIORITY POLLUTANTS MG/L
01365	ANALYSIS DATE (DIOXIN) (YYMMDD)
04177	SAMPLE STABILIZATION, RECOVERY TEST CODE
04178	FIELD PROTOCOL(CONFDNCE ASSIGNED FIELD SAMPLE) CODE
04179	SAMPLE STATION LOCKED CODE
04180	CONDITION OF STATION SITE CODE
04181	LABORATORY QA/QC PLAN CONFIDENCE CODE
04182	SAMPLE TYPE CODE
04183	SAMPLE REMARKS CODE
30333	BAG MESH SIZE, BEDLOAD SAMPLER, MM
34772	NPDES NUMBER, CROSS REFERENCE CODE
34785	GAGE TYPE, METHOD CODE

STORET Code	Description of STORET Administrative Parameters
45575	GC MAKE AND MODEL INFORMATION CODE
45576	GC DETECTOR TYPE CODE
45577	GC COLUMN TYPE CODE
45580	METHOD OF ANALYSIS CODE
45581	LABORATORY LOCATION CODE
46107	SAMPLE LOCATION CODE (TREATMENT PLANT OPERATION)
46390	TOXICITY CHARACTERISTIC LEACHING PROCEDURE P OR F
46396	PROCESS TO SIGNIFICANTLY REDUCE PATHOGENS YES OR NO
46397	PROCESS TO FURTHER REDUCE PATHOGENS YES OR NO
47001	PERMIT EXPIRATION DATE (JULIAN CALENDAR)
47044	OBSERVATIONS,WASTE SITE-SEVERITY OF PROBLEMS CODE
47460	SUBSAMPLE - DECIMAL FRACTION OF WHOLE NUMBER
47477	COMPOSITION AND/OR DISPOSITION OF CATCH NUM CODE
70231	CURRENT DIRECTION (DEGREES FROM DOWNSTREAM FLOW)
71999	SAMPLE PURPOSE CODE
72032	NUMBER OF SPILLWAY GATES OPEN
73672	DATE OF ANALYSIS YYMMDD
73673	DATE OF EXTRACTION YYMMDD
74031	GRANT, PROJECT COST ELIGIBLE FOR CONSTRUCTION
74032	GRANT, AMOUNT OF PL 660 GRANT FOR THIS PROJECT
74033	GRANT, FEDERAL, OTHER THAN PL 660 GRANT
74034	GRANT, FUTURE PL 660 WHICH MAY APPLY TO THIS PROJ
74035	GRANT, TOTAL FEDERAL, WHICH APPLIES TO THIS PROJ
74036	GRANT, PROJ NUMBER ASSIGNED TO THIS APPLICATION
74037	GRANT, TYPE OF PROJECT TO WHICH GRANT APPLIES
74038	GRANT, STATUS OF PROJECT TO WHICH GRANT APPLIES
74039	PCS/STORET WATER QUALITY FILE INTERFACE YR/MO/DAY
74040	SURVEY NUMBER YYMMNO
74041	STORET STORAGE TRANSACTION DATE YR/MO/DAY

STORET Code	Description of STORET Administrative Parameters
74050	RADIOACTIVITY, GENERAL (PERMIT)
74051	ALGICIDES, GENERAL (PERMIT)
74052	CHLORINATED HYDROCARBONS, GENERAL (PERMIT)
74053	PESTICIDES, GENERAL (PERMIT)
74056	COLIFORM, TOTAL, GENERAL (PERMIT)
74065	STREAM FLOW CLASS
74066	ANNUAL RUNOFF
74067	SOIL CLASSIFICATION
74068	WATER QUALITY DESIGNATED USE CLASSIFICATION (IA)
74100	PRIMARY 1972 SIC CODE
74101	SECONDARY 1972 SIC CODE
74102	SECONDARY 1972 SIC CODE
74103	SECONDARY 1972 SIC CODE
74200	SAMPLE PRESERVATION METHODS ONE OR MORE IN COMB.
74205	LAND RESOURCE AREA (IOWA)
74206	SOIL EROSION POTENTIAL (IOWA)
74209	WATER QUALITY INDEX - STATE OF ILLINOIS, EPA
74210	FOREST STREAM WATER QUALITY INDEX CALC. NUMBER
74990	FISH SPECIES NUMERIC CODE - F&W SERVICE
74995	ANATOMY CODE
75000	SPECIES CODE-REMARK=SEX (M=MALE,F=FEMALE,U=UNK.)
81028	WITHDRAWAL OF GROUNDWATER (MILLION GAL/DAY)
82258	WATER CLASSIFICATION CODE (1-9) CODE
82292	DATA RELAY GROUND STATION SOURCE NODE CODE, CODE
82309	CONTAMINATION SOURCE POSSIBLE CODES NUMERIC CODE
82310	DEPTH CONFIDENCE IN REPORTED VALUES NUMERIC CODES
82373	FREQUENCY OF SAMPLING M=MON,Q=QUAR,Y=YR,R=RNFFCODE
82519	DRILLER REGISTRATION NUMBER ALPHA-NUMERIC CODE
82562	NARRATIVE REQUIREMENT EXCEEDANCES INTEGER

STORET Code	Description of STORET Administrative Parameters
82576	DAILY EXCURSION TIME, WATER MIN
82577	MONTHLY EXCURSION TIME, WATER TOTAL MIN
82578	DAY/MAXIMUM EXCURSION TIME, WATER MIN
82579	CODE NUMBER FOR PERSON COLLECTING SAMPLE
84002	CODE, GENERAL INFORMATION - ALPHA, NUMERIC CODE
84003	WATER SHED ID NUMBER (IOWA)
84005	FISH SPECIES CODE-FISH & WILDLIFE SER
84006	OWNERSHIP CLASSIFICATION OF LAKE, ILLINOIS SYSTEM
84010	PUBLIC ACCESS TO LAKE ILLINOIS SYSTEM
84011	CONFIDENCE CODE FOR GLC CONFIRMATION CODE
84012	PATIENT PARAMETERS (AGE, SEX, WT, ETC.) CODE
84013	SAMPLE PARAMETERS D=DESIGN SPECIMEN, S=SURPLUS
84027	CODE NUMBER FOR AGENCY COLLECTING SAMPLE
84028	CODE NO FOR AGENCY ANALYZING SAMPLE
84029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE FIELD
84033	EGD ANALYTICAL DATA COMPLETENESS Y=YES N=NO CODE
84034	EGD SMPL NO.(SMPL.IDENT) NUMERIC=SCS ALPH+4NUM=JRB
84035	EGD SAMPLE CLASSIFICATION CATEGORY ALPHA CODE
84036	EGD INDUSTRIAL CATEGORY NUMERIC CODE
84037	EGD INDUSTRIAL CATEGORY NAME ALPHA CODE
84038	EGD LABORATORY NUMERIC CODE
84039	EGD LABORATORY NAME ALPHA CODE
84040	EGD SAMPLE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84041	EGD ACID STATUS (1-5,9,AND BLANK) NUMERIC CODE
84042	EGD BASE STATUS (1-5,9AND BLANK) NUMERIC CODE
84043	EGD PESTICIDE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84044	EGD VOA FRACT. STATUS INDICATOR (1-5,9,BLANK) CODE
84045	EGD ACID EXTRACT DATE (YYMMDD) NUMERIC CODE
84046	EGD BASE EXTRACTION DATE (YYMMDD) NUMERIC CODE

STORET Code	Description of STORET Administrative Parameters
84047	EGD PESTICIDE EXTRACTION DATE (YYMMDD) NUMERIC CODE
84048	EGD VOA FRACTION INJECTION DATE YYMMDD NUMERIC CODE
84049	EGD ACID CONC. FACTOR (FIVE NUMERIC DIGITS) CODE
84050	EGD BASE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84051	EGD PESTICIDE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84052	EGD VOA FRACTION CONC. FACTOR (5 NUMERIC DIGITS) CODE
84053	SAMPLE TYPE AND FREQUENCY OF COLLECTION CODE
84054	LITHOLOGY ALPHA-NUMERIC CODE
84055	AVAILABLE LOGS ALPHA-NUMERIC CODE
84056	WATER USE CATEGORY ALPHA-NUMERIC CODE
84057	INSPECTION TYPE ALPHA-NUMERIC CODE
84058	HYDROGEOLOGIC SYSTEM ALPHA-NUMERIC CODE
84059	WELL OWNERSHIP ALPHA-NUMERIC CODE
84060	TOPOGRAPHY ALPHA-NUMERIC CODE
84061	WELL USE ALPHA-NUMERIC CODE
84062	MEASURING POINT DESCRIPTION ALPHA-NUMERIC CODE
84063	DRILLING METHOD ALPHA-NUMERIC CODE
84064	WELL DATA AVAILABILITY ALPHA-NUMERIC CODE
84065	PERMIT COMPLIANCE DATA ALPHA-NUMERIC CODE
84067	NATURE OF MONITORING ALPHA-NUMERIC CODE
84073	REPLACES EXISTING WELL ALPHA-NUMERIC CODE
84074	AQUIFER TYPE (SEE USGS HANDBOOK) ALPHA CODE
84075	WELL PERMIT NUMBER ALPHA-NUMERIC CODE
84076	TSD MONITORING WELL TYPE ALPHA CODE
84077	TSD MONITORING WELL SAMPLING METHOD ALPHA CODE
84083	POLLUTION VERIFICATION ALPHA CODE
84084	WELL SAMPLE PURPOSE ALPHA CODE
84090	SAMPLE FILE CONTROL PROJECT IDENTIFICATION A-CODE
84091	INFILTRATION DATE/BEGINNING 'YYMMDD'

STORET Code	Description of STORET Administrative Parameters
84092	INFILTRATION DATE/ENDING 'YYMMDD'
84093	ENFORCEMENT FORM #2-C,DATA IDENTIFICATION CODE
84102	SAMPLE SPECIES-SUB ID ALPHA CODE
84103	DIOXIN LABORATORY ALPHA CODE
84104	DIOXIN STUDY ALPHA CODE
84112	SOURCE OF GEOHYDROLOGIC DATA CODE
84119	SOURCE OF EVACUATION DATA CODE
84121	REGULATING AGENCY CODE
84122	SAMPLE PURPOSE CODE
84126	SOURCE OF DEPTH DATA CODE
84127	METHOD OF DEPTH MEASUREMENT CODE
84128	SOURCE OF WATER-LEVEL DATA CODE
84129	DATA QUALITY
84141	LAKE, PHYSICAL CONDITION AT SAMPLE TIME, 1-5, CODE
84142	LAKE,RECREATIONAL SUITABILITY @ SMPL TIME,1-5, CODE
84164	SAMPLER TYPE, CODE
85300	PROBLEM CODE NES SURVEY
85327	WATER LEVEL AT SAMPLE COLLECTION TIME-CODE-NES
85332	CLOUD COVER AT SAMPLE COLLECTION TIME-CODE-NES
85553	WELL COMPLETION DATE (MONTH/YEAR)
85554	WELL WORKOVER DATE, LATEST (MONTH/YEAR)

Appendix E

STORET Parameters Not Suitable for Statistical Analysis

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00001	X-SEC. LOC., HORIZ (FT. FROM R BANK LOOK UPSTR.)
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)
00006	DISTANCE FROM LOCATION IN X MILES
00007	DISTANCE FROM LOCATION IN Y MILES
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00009	X-SEC. LOC.(FT FROM LEFT BANK LOOKING DOWNSTRM)
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00033	WEATHER CODE FOR OCEAN-OBSERV. (WMO CODE 4677)
00037	WIND FORCE (BEAUFORT UNITS)
00038	WIND DIRECTION (WMO CODES 0885 + 0887)
00041	WEATHER (WMO CODE 4501)
00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL
00043	CLOUD TYPE (WMO CODE 0500)
00044	CLOUD AMOUNT (WMO CODE 2700)
00047	TOTAL PARTIAL PRESSURE DISSOLVED GASES (MM HG)
00048	TOTAL PARTIAL PRESSURE DISSOLVED GASES (% SAT)
00049	SURFACE AREA IN SQUARE MILES
00050	EVAPORATION, TOTAL (INCHES PER DAY)
00051	SURFACE AREA IN SQUARE FEET
00053	SURFACE AREA, ACRES
00054	RESERVOIR STORAGE - ACRE FEET
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00067	TIDE STAGE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00069	SEA WAVES(0=NONE;1=0-3";2=4-20";3=21-48";4=4-8')
00097	SAMPLING STATION LOCATION, VERTICAL (FEET)
00098	SAMPLING STATION LOCATION, VERTICAL (METERS)
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
01300	OIL-GREASE (SEVERITY)
01305	DETERGENT SUDS (SEVERITY)
01310	GAS BUBBLES (SEVERITY)
01315	SLUDGE, FLOATING (SEVERITY)
01320	GARBAGE, FLOATING (SEVERITY)
01325	ALGAE, FLOATING MATS (SEVERITY)
01330	ODOR, ATMOSPHERIC (SEVERITY)
01331	TASTE (SEVERITY)
01335	SEWAGE SOLIDS, FRESH, FLOATING (SEVERITY)
01340	FISH, DEAD (SEVERITY)
01345	DEBRIS, FLOATING (SEVERITY)
01350	TURBIDITY (SEVERITY)
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)
03595	BIOASSAY (96 HR), EFFLUENT, TOTAL CODE
03596	BIOASSAY (48 HR), EFFLUENT, TOTAL CODE
03597	BIOASSAY (24 HR), EFFLUENT, TOTAL CODE
03598	TOXICITY, EFFLUENT, TOTAL CODE
03599	TOXICITY, CHOICE OF SPECIES, EFFLUENT CODE
03600	TOXICITY, TROUT, EFFLUENT, TOTAL CODE
03601	TOXICITY, SAND DOLLAR, EFFLUENT CODE
03602	BIOCHEMICAL OXYGEN DEMAND, EFFLUENT, TOTAL CODE
03603	SOLIDS, TOTAL SUSPENDABLE, EFFLUENT, TOTAL CODE
03605	FLOW METER CALIBRATION, WATER CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
03717	ONCORHYNCHUS MYKISS, WATER CODE
04117	TETHER LINE USED FOR COLLECTING SAMPLE CODE
04160	HALOCARBONS, PURGEABLE, SCAN, EFFLUENT CODE
04161	HALOCARBONS, PURGEABLE, SCAN, SLUDGE CODE
04162	AROMATIC, PURGEABLE, SCAN, EFFLUENT CODE
04163	AROMATIC, PURGEABLE, SCAN, SLUDGE CODE
04164	PHENOLIC, TOTAL, SCAN, EFFLUENT CODE
04165	PHENOLIC, TOTAL, SCAN, SLUDGE CODE
04166	PCB, TOTAL, SCAN, EFFLUENT CODE
04167	PCB, TOTAL, SCAN, SLUDGE CODE
04174	FREE LIQUIDS IN SEWAGE SLUDGE CODE
34765	AVIAN NUMERICAL SPECIES CODE (BIRDS)
34766	MAMMALIAN NUMERICAL SPECIES CODE
34771	MACROPHYTE, INSTREAM, VISUAL SIGHTING CODE
34773	ODOR, AMBIENT WATER CODE
34774	FISH, INSTREAM, VISUAL SIGHTING CODE
34775	STREAMBANK CHANNEL ALTERATIONS CODE
34776	HYDRAULIC STRUCTURES, INSTREAM CODE
34780	LAND USE, ADJACENT STREAM CODE
34781	SAMPLE POINTS, # OF LONGTDNL TRANSECTS, REACH CODE
34782	STREAM STAGE TREND CODE
34789	HABITATS, TYPES SAMPLED CODE
45613	FLOATING SOLIDS/VISIBLE FOAM, VISUAL, YES=1, NO=0, CODE
45614	SANITARY WASTE DISCHARGE ASSESSMENT, YES=1, NO=0, CODE
45615	INTERMITTENT DISCHARGE ASSESSMENT, YES=1, NO=0,CODE
46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)
46478	EQUIPMENT INSPECTION, VISUAL CODE
46486	TOXICITY,ACUTE 24HR(STATIC)CERIODAPHNIA (P/F) CODE
47454	FLOW METER REVOLUTIONS NUMBER

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
47455	LATITUDE, STARTING, OF A SAMPLE TOW DDMMSS
47456	LONGITUDE, STARTING, OF A SAMPLE TOW DDDMMSS
47457	LATITUDE, FINISHING, OF A SAMPLE TOW DDMMSS
47458	LONGITUDE, FINISHING, OF A SAMPLE TOW DDDMMSS
47459	LENGTH FREQUENCY NUMBER
47461	TIME THAT THE EQUIPMENT WAS SAMPLING MINUTES
47476	DIRECTION OF TOW IN RELATION TO CURRENT NUM CODE
50044	HYDROGRAPH LIMB, 1BASE, 2RISING, 3PEAK, 4FALLING, CODE
61390	DIATOMS,FIRST DOMINANT SPECIES OF UNITS - CODE
61391	DIATOMS,SECOND DOMINANT SPECIES OF UNITS - CODE
61392	DIATOMS,THIRD DOMINANT SPECIES OF UNITS - CODE
61393	DIATOMS,FOURTH DOMINANT SPECIES OF UNITS - CODE
70220	WAVE DIRECTION (WMO CODES 0885 + 0887)
70222	WAVE HEIGHT (WMO CODE 1555)
70223	WAVE PERIOD (WMO CODE 3155)
71090	BIVALVE SPECIES CODE
71500	EQUITABILITY INDEX,BENTHIC MACROINVER CODE
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)
72001	DEPTH, TOTAL OF HOLE (FT BELOW LAND SURFACE DATUM)
72002	DEPTH TO TOP OF WATER-BEARING ZONE SAMPLED (FT)
72003	DEPTH TO BOTTOM OF WATER-BEARING ZONE SAMPLED (FT)
72004	PUMP OR FLOW PERIOD PRIOR TO SAMPLING MINUTES
72005	SAMPLE SOURCE CODE (BM WELL DATA)
72006	SAMPLING CONDITION CODE (BM WELL DATA)
72007	FORMATION NAME CODE (BM WELL DATA)
72017	SERIES CODE (BM WELL DATA)
72018	SYSTEM CODE (BM WELL DATA)
72111	DIRECT READOUT GROUND STATN TRANSMIT EROR CODE NUM
74054	FECAL STREPTOCOCCI, GENERAL (PERMIT)

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
74055	FECAL COLIFORM, GENERAL (PERMIT)
80889	ACTIVATED SLUDGE PROCESS MODIFICATION CODE
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)
81637	SHELLFISH SPECIES NUMERIC CODE
82289	LAGOON OBSERVATION, VISUAL, Y=YES N=NO CODE
82398	SAMPLING METHOD (CODES)
82524	STORAGE COEFFICIENT NUMERICAL CODE
82923	ATMOSPHERIC DEPOSITION TYPE, WET CODE
83205	ATMOSPHERIC DEPOSITION TYPE, BULK CODE
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)
84001	AQUIFER NAME CODE (SEE USGS CATALOG)
84004	LAKE TYPE ILLINOIS CLASSIFICATION SYSTEM
84007	ANATOMY ALPHA CODE
84008	LIFE STYLE/HABITAT OF THE INDIVIDUALS IN THE SAMPLE
84009	SHELLFISH SPECIES ALPHANUMERIC CODE
84014	SPECIES SEX CODE
84030	CLOUD AMOUNT ALPHA WEATHER CODES
84031	PHYSICAL WEATHER ALPHA WEATHER CODES
84032	STREAM CONDITION ALPHA WEATHER CODES
84066	OIL AND GREASE, VISUAL, ALPHA-NUMERIC CODE
84068	SERIES CODE ALPHA-NUMERIC CODE
84069	FORMATION CODE ALPHA-NUMERIC CODE
84070	METHOD OF TESTING WELL YIELD ALPHA-NUMERIC CODE
84071	WATER LEVEL MEASUREMENT CONDITIONS ALPHA-NUM CODE
84072	WATER LEVEL MEASUREMENT METHOD ALPHA-NUMERIC CODE
84078	GIARDIA LAMBLIA, 2HSO4 OR SUC GRAD, MICRO, CODE
84079	BACTERIA, CELLUOLYTIC, AEROBIC-ANAEROBIC, RT 5-7, CODE
84080	BACTERIA, HYDROCARBONOCLASTIC, SHAKE INC 32C/WK, CODE
84081	YERSINIA ENTEROCOLITICA, SB BROTH, MAC AGAR,22C, CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84082	SALMONELLA/SHIGELLA, QUANT OR QUAL, HVF OR SWAB, CODE
84085	ORGANICS, VOLATILE, DETECTED, NUMERIC CODE, CODE
84086	MACROINVERTEBRATE SPECIES NUMERIC CODE
84087	MACROINVERTEBRATE HABITAT CODE
84088	BIOLOGY 1 MACROINVERTEBRATE CODE
84089	BIOLOGY 2 MACROINVERTEBRATE CODE
84094	PHYTOPLANKTON SPECIES CODE, NUMERIC
84095	PHYTOPLANKTON SPECIES CODE, ALPHA
84096	SEVERITY OF NON-PLANKTON ALGAE-MAT COVERAGE CODE
84097	LAGOON MOUTH CONDITION CODE
84098	COLOR OF NON-PLANKTONIC ALGAE CODE
84099	WATER - RELATIVE WATER LEVEL CODE
84100	SEX(1-MALE,2-FEMALE,3-MIXED,4-UNKNOWN) NUM CODE
84101	METAFORM, BENTHIC, ADULT(A), PUPAE(P), LARVAE(L) CODE
84105	OIL-SEPARATOR OBSERVATION ASSESS (0=DID NOT,1=DID)
84106	EVAPORAT/BED OBS ASSESS (0=DID NOT LOOK, 1=DID LOOK)
84107	AREA INSPECTION, VISUAL (0=DID NOT, 1=DID) CODE
84108	DRAIN FIELD INSPECTION ASSESS (0=DID NOT, 1=DID) CODE
84109	SLUDGE BUILD-UP IN WATER (0=DID NOT OBS, 1=OBS) CODE
84110	POND OBSERVATION ASSESS WATER (0=DID NOT, 1=DID) CODE
84111	LITHOLOGIC MODIFIER CODE
84113	WELL INTAKE FINISH CODE
84114	WELL CASING MATERIAL CODE
84115	TYPE OF MATERIAL FROM WHICH OPENING IS MADE CODE
84116	DRILLING FLUID CODE
84117	TYPE OF SURFACE SEAL CODE
84118	METHOD OF DEVELOPMENT CODE
84120	PACKING MATERIAL CODE
84124	METHOD OF EVACUTAION CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84125	METHOD OF WATER-LEVEL MEASUREMENT CODE
84130	OUTFALL OBSERVATION, VISUAL, Y=YES N=NO CODE
84131	SAMPLING METHOD, CONFIDENCE CODE (A,B,C,D) CODE
84132	STREAMBANK, VEGETATIVE STABILITY RATING CODE
84133	STREAMBANK, STABILITY (BANK EROSION) RATING CODE
84134	PARTICLES, DEGREE SURROUNDED BY FINE SEDIMENT, CODE
84135	STREAMSIDE, (SHORELINE) COVER RATING CODE
84136	CANOPY TYPE CODE
84137	CHANNEL STABILITY RATING CODE (E,G,F,P) CODE
84138	COLIFORM, TOTAL, WATER, WHOLE, MPN, PRES=1, ABSNT=2, CODE
84139	ENTEROBACTER AGGLOMERANS, WTR, MF, PRES=1, ABSNT=2, CODE
84140	KLEBSIELLA PNEUMONIAE, WTR, WH, MF, PRES=1, ABSNT=2, CODE
84143	WELL, PURGING CONDITION CODE
84144	WELL, SELECTION CRITERIA CODE
84145	PROJECT COMPONENT CODE
84146	LAND USE, PREDOMINANT, WITHIN 100 FT OF WELL, CODE
84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE
84148	LAND USE, PREDMNT., FRAC., WITHIN 1/4 MI OF WELL, CODE
84149	LAND USE, CHANGE, LAST 10 YRS, WITHIN 1/4MI WELL, CODE
84150	HABITAT QUALITY INDEX RATING CODE
84151	AQUATIC LIFE, USE CLASSES CODE
84152	STREAM, STAGE CLASS CODE
84153	STREAMBANKS, GRAZING DAMAGE CODE
84154	CHANNEL, MAJOR ALTERATIONS CODE
84155	RIFFLE/RUNS, OCCURRENCE CODE
84156	POOL, DESCRIPTION CODE
84157	SANDBARS, LARGE, OCCURRENCE CODE
84158	LAND USE, NEAR STREAM, PREDOMINANT CODE
84159	STREAM,COVER (INSTREAM SHELTER FOR ADULT FISH), CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84160	STREAM, DEGRADATION RATING CODE
84161	STREAM, ORDER CODE
84162	LAND RESOURCE AREA CODE
84163	FLOW, STREAM, CLASSIFICATION CODE
84165	DISCHARGE EVENT OBSERVATION, YES=1 NO=0, CODE
84166	STORM HYDROGRAPH, DIRECTION, (RISE,FALL), CODE
84167	MICROSCOPIC EXAMINATION CODE
84168	AVIAN SPECIES ALPHA CODE (BIRDS)
84169	MAMMALIAN ALPHA SPECIES CODE
84170	ALPHA AGE TEXT CODE
84200	LATITUDE/LONGITUDE COORDINATES OF WELL, METHOD CODE
84201	NATIONAL REFERENCE DATUM, ALTITUDE(VERTICAL) CODE
84202	ALTITUDE METHOD CODE
85000	STREAM MILE, ACTUAL MILES
85014	HABITAT, 1970 ACRES THIS TYPE FOR THIS STATION
85015	HAB., ESTIMATED ACRES THIS TYPE THIS STATION
85016	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 1990
85017	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 2000
85018	TYPE CODES: 1=CLEAR CUT/2=SELECT CUT/3=RNGE DEVLP
85019	ACRES, NO. ALTERED FROM 1965-1970 (0-5 YEARS OLD)
85020	ACRES, NO. ALTERED 1960-1965 (5-10 YEARS OLD)
85021	ACRES, NO. ALTERED 1955-1960 (10-15 YEARS OLD)
85022	ACRES, NO. ALTERED 1950-1955 (15-20 YEARS OLD)
85023	ACRES, NO. ALTERED BEFORE 1950 (20+ YEARS OLD)
85024	ACRES,PREDICTED YRLY.AVE.TO BE ALTERED IN FUTURE
85025	LANDOWNERS, CODES FOR ALL IN STATE OF OREGON
85026	ACRES, CURRENT OWNED THIS LANDOWNER THIS STATION
85027	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1980
85028	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1990

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85029	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 2000
85030	LAND USES, CODES FOR ALL IN STATE OF OREGON
85031	ACRES, CURRENT DEDICATED TO THIS USE THIS STATION
85032	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1980
85033	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1990
85034	ACRES, ESTM. DEDICTD TO THIS USE BY YR.2000 --STA.
85035	HAB., INDICATED ANIMAL USES THIS TYPE IN WINTER
85036	HAB., INDICATED ANIMAL USES THIS TYPE IN SPRING
85037	HAB., INDICATED ANIMAL USES THIS TYPE IN SUMMER
85038	HAB., INDICATED ANIMAL USES THIS TYPE IN FALL
85039	HAB., INDICATED ANML USES THIS TYPE FOR WINTERING
85040	HAB., INDICATED ANML USES THIS TYPE FOR FEEDING
85041	HAB., INDICATED ANML USES TYPE FOR REARING YOUNG
85042	HAB., INDICATED BIRD USES THIS TYPE FOR NESTING
85043	HAB., INDICATED ANML USES THIS TYPE FOR SHELTER
85044	HAB., INDICATED ANML USES THIS TYPE FOR REST AREA
85045	ANML, SHOWS PRESENCE/ABSNC OF COMMENTS ON THIS ANML
85046	HAB.,ACRES OCCUPIED BY THIS ANML THIS UNIT & CO.
85050	ANIMALS ARE NOT PRESENT THIS STATION
85051	ANIMALS, ONLY A FEW ARE PRESENT THIS STATION
85052	ANIMALS COMMONLY SEEN; USE MODERATE THIS STATION
85053	ANIMALS FREQUENTLY SEEN; USE HEAVY THIS STATION
85070	OWNERSHIP (.1) AND ACCESS (.2) BY YEAR
85071	PRIVATE OWNERSHIP AND ACCESS MILEAGE
85072	FEDERAL OWNERSHIP AND ACCESS MILEAGE
85073	STATE OWNERSHIP AND ACCESS MILEAGE
85074	COUNTY OWNERSHIP AND ACCESS MILEAGE
85075	CITY OWNERSHIP AND ACCESS MILEAGE
85076	WATER YEAR DATA REFERS TO

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85077	CALENDAR YEAR DATA REFERS TO
85088	MONTHS POLLUTION IS A PROBLEM JAN THRU JUNE
85089	MONTHS POLLUTION IS A PROBLEM JULY TO DECEMBER
85090	MAN-CAUSED CHANNEL CHANGE IN MILES
85091	STREAM BANK HABITAT DESTROYED IN MILES
85092	STREAMBED SILTED IN MILES
85093	TURBIDITY PROBLEM IN MILES
85094	SEVERITY: 1=ELIMINATES 2=INTERFERES 3=NO PROBLEM
85095	DURATION OF TURBIDITY PROBLEM IN MONTHS
85096	SEASON OF NATURAL DRY CHANNEL 1=SP 2=SU 3=F 4=W
85097	NATURAL DRY CHANNEL IN MILES
85098	MAN-CAUSED DRY CHANNEL SEASON 1=SP 2=SU 3=F 4=W
85099	MAN-CAUSED DRY CHANNEL IN MILES
85100	YEAR BARRIER IS PRESENT
85101	NUMBER OF NATURAL BARRIERS
85102	MILES BLOCKED BY NATURAL BARRIERS
85103	NUMBER OF NATURAL BARRIERS TO BE REMOVED
85104	NUMBER OF DAMS AND MAN CAUSED OBSTRUCTIONS
85105	MILES BLOCKED BY DAMS OR MAN CAUSED OBSTRUCTIONS
85106	NUMBER OF DAMS TO BE ALTERED
85107	MILES OF STREAM OCCUPIED BY IMPOUNDMENT
85108	LOWER END OF SECTION COVERED BY THIS FORM
85109	UPPER END OF SECTION COVERED BY THIS FORM
85110	LOWER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85111	UPPER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85112	STREAM SURVEY:1=COMPLETE 2=INCOMPLETE 3=NONE
85113	ABUNDANCE: 1=FSHWY/TAG&R 2=SURVEY 3=EST PLUS 4=EST
85114	ABUNDANCE: N=S&ST 1=ABUNDANT 4=SCARCE RGH FSH 3=SCARCE
85116	SQUARE YARDS OF SPAWNING AREA IN 1970

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85117	SQUARE YARDS OF SPAWNING AREA IN 1980
85118	SQUARE YARDS OF SPAWNING AREA IN 1990
85119	SQUARE YARDS OF SPAWNING AREA IN 2000
85120	MILES OF REARING AREA IN 1970
85121	MILES OF REARING AREA IN 1980
85122	MILES OF REARING AREA IN 1990
85123	MILES OF REARING AREA IN 2000
85124	CATCH BY SPORT ANGLING IN 1970
85125	RECREATION DAYS SPENT ANGLING IN 1970
85126	RECREATION DAYS SPENT ANGLING IN 1980
85127	RECREATION DAYS SPENT ANGLING IN 1990
85128	RECREATION DAYS SPENT ANGLING IN 2000
85129	CONTRIBUTION TO COMMERCIAL CATCH IN 1970
85130	PERCENT OF TOTAL FISHING DONE FROM BOAT IN 1970
85131	PERCENT OF TOTAL FISHING DONE FROM BANK IN 1970
85132	PERCENT OF TOTAL FISHING DONE WITH LURE IN 1970
85133	PERCENT OF TOTAL FISHING DONE WITH BAIT IN 1970
85134	PERCENT OF TOTAL FISHING DONE WITH A FLY IN 1970
85146	YEAR THIS FACTOR HAS A LIMITING EFFECT
85157	MAN DAYS OF WATER SKIING
85158	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85159	MAN DAYS OF BOATING OTHER THAN ANGLING
85160	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85161	MAN DAYS OF SWIMMING
85162	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85163	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NOT PRESENT
85165	NUMBER OF MONTHS SUSPENDED SOLIDS ARE A PROBLEM
85167	NUMBER OF MONTHS PLANKTON IS A PROBLEM
85168	1=ELIMINATE PROD 2=REDUCE 3=NO INTER. 4=NOT PRES

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85169	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85170	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85171	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85172	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85173	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85174	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85175	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85176	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85177	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85178	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85179	YEAR THIS NUMBER OF FACILITIES PRESENT
85180	NUMBER OF BOAT RAMPS
85181	NUMBER OF MOORAGES
85182	NUMBER OF PICNIC AREAS
85183	NUMBER OF CAMP AREAS
85184	NUMBER OF RESORTS
85185	YEAR THIS ZONED AREA PRESENT
85186	ACRES SET ASIDE FOR OTHER BOATING
85187	ACRES SET ASIDE FOR WATER SKIING
85188	MILES OF SHORE LOST TO ACCESS BY HOME SITES
85189	TOTAL MILES OF SHORELINE
85193	WILL RECR BE INC BY RELEASE OF FINGERL 0=NO 1=YES
85195	CATCH AND RECREATION ESTIMATE 1=BEST 4=POOREST
85333	PRECIPITATION-SAMPLE COLLECTION TIME-CODE- NES
85538	GAMMA SCAN DATE (YR,MO,DAY)
85539	DATE OF REPORT (YR,MO,DAY)
85658	TIME NIGHT CO2 HR
85661	TIME, INTERVAL DAY CO2 HR

Appendix F

National EPA Water Quality Criteria Summary[1]

The following table presents the national water quality criteria that were used to assess water quality data on a station-by-station basis and within the entire study area. Criteria are, for the most part, maximum values (except for dissolved oxygen, pH, and as noted). Criteria exist in any of four categories: Fresh Acute, Drinking Water, Marine Acute, and Other. Acute criteria are the highest 1-hour average concentrations which should not result in unacceptable impacts to aquatic organisms in either fresh or marine waters, respectively. The Drinking Water criteria are intended for human consumption; while the Other criteria represents National Park Service or other concerns. Parameters are listed in ascending order by STORET code. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to obtain the criteria for all parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	00070				50[t]	TURBIDITY, JACKSON CANDLE UNITS	JTU	Physical
	00076				50[t]	TURBIDITY, HACH TURBIDIMETER, FORMAZIN TUR. UNITS	FTU	Physical
14808798	00154		250[s]			SULFATE (AS S) WHOLE WATER	MG/L	General Inorganic
7782447	00299				4.0[u]	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	MG/L	Dissolved Oxygen
7782447	00300				4.0[u]	OXYGEN, DISSOLVED	MG/L	Dissolved Oxygen
	00400				≤6.5, ≥9.0[#]	PH	SU	Physical
	00403				≤6.5, ≥9.0[#]	PH, LAB	SU	Physical
	00406				≤6.5, ≥9.0[#]	PH, FIELD	SU	Physical

[1]Sources: (1) U.S. Environmental Protection Agency, Quality Criteria for Water 1995, Final Draft; (2) U.S. Environmental Protection Agency, 40 CFR 141 - National Primary Drinking Water Regulations, and 40 CFR 143 - National Secondary Drinking Water Regulations, July 1, 1994; and (3) Others as Noted in Footnotes.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
471341	00409				<200[=]	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS	UEQ/L	General Inorganic
17778880	00613		1			NITRITE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00615		1			NITRITE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00618		10			NITRATE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00620		10			NITRATE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00628		10			NITRITE + NITRATE, SUSPENDED AS N	MG/L	Nitrogen
17778880	00630		10			NITRITE PLUS NITRATE, TOTAL 1 DET.	MG/L	Nitrogen
17778880	00631		10			NITRITE PLUS NITRATE, DISSOLVED 1 DET.	MG/L	Nitrogen
57125	00718	22	200	1.0		CYANIDE, WEAK ACID, DISSOCIABLE, WATER, WHOLE	UG/L	General Inorganic
57125	00719	22	200	1.0		CYANIDE, FREE,IN WATER&WASTEWATERS, HBG METHOD	UG/L	General Inorganic
57125	00720	0.022	0.2	0.001		CYANIDE, TOTAL	MG/L	General Inorganic
57125	00722	0.022	0.2	0.001		CYANIDE, FREE (AMENABLE TO CHLORINATION)	MG/L	General Inorganic
57125	00723	22	200	1.0		CYANIDE, DISSOLVED STD METHOD	UG/L	General Inorganic
57125	00724	22	200	1.0		CYANIDE COMPLEXED TO A RANGE OF COMPNDS, WATER	UG/L	General Inorganic
16887006	00940	860	250[s]			CHLORIDE,TOTAL IN WATER	MG/L	General Inorganic
16887006	00941	860	250[s]			CHLORIDE, DISSOLVED IN WATER	MG/L	General Inorganic
14808798	00945		250[s]			SULFATE, TOTAL (AS SO4)	MG/L	General Inorganic
14808798	00946		250[s]			SULFATE, DISSOLVED (AS SO4)	MG/L	General Inorganic
1332214	00948		7000000			ASBESTOS, WHOLE SAMPLE	CNT/L	General Inorganic
16984488	00950		4.0			FLUORIDE, DISSOLVED AS F	MG/L	General Inorganic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
16984488	00951		4.0			FLUORIDE, TOTAL AS F	MG/L	General Inorganic
7782414	00953		4000			FLUORINE, TOTAL	UG/L	General Inorganic
7440382	00978	360	50	69		ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	UG/L	Metal
7782492	00981	20	50	300		SELENIUM,TOTAL RECOVERABLE IN WATER AS SE	UG/L	Metal
7440280	00982	1400*	2.0	2130*		THALLIUM, TOTAL RECOVERABLE IN WATER AS TL	UG/L	Metal
7782492	00990	20	50	300		SELENITE, TOTAL RECOVERABLE INORGANIC	UG/L	Metal
7440382	00991	360	50	69		ARSENIC, TOTAL RECOVERABLE TRIVALENT INORGANIC	UG/L	Metal
7440382	00995	360	50	69		ARSENIC, INORGANIC DISS	UG/L	Metal
7440382	00996	360	50	69		ARSENIC, INORGANIC SUSP	UG/L	Metal
7440382	00997	360	50	69		ARSENIC, INORGANIC TOT	UG/L	Metal
7440417	00998	130*	4.0			BERYLLIUM,TOTAL RECOVERABLE IN WATER AS BE	UG/L	Metal
7440382	01000	360	50	69		ARSENIC, DISSOLVED	UG/L	Metal
7440382	01001	360	50	69		ARSENIC, SUSPENDED	UG/L	Metal
7440382	01002	360	50	69		ARSENIC, TOTAL	UG/L	Metal
7440393	01005		2000			BARIUM, DISSOLVED	UG/L	Metal
7440393	01006		2000			BARIUM, SUSPENDED	UG/L	Metal
7440393	01007		2000			BARIUM, TOTAL	UG/L	Metal
7440393	01009		2000			BARIUM,TOTAL RECOVERABLE IN WATER AS BA	UG/L	Metal
7440417	01010	130*	4.0			BERYLLIUM, DISSOLVED	UG/L	Metal
7440417	01011	130*	4.0			BERYLLIUM, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440417	01012	130*	4.0			BERYLLIUM, TOTAL	UG/L	Metal
7440439	01025	3.9+	5.0	43		CADMIUM, DISSOLVED	UG/L	Metal
7440439	01026	3.9+	5.0	43		CADMIUM, SUSPENDED	UG/L	Metal
7440439	01027	3.9+	5.0	43		CADMIUM, TOTAL	UG/L	Metal
7440473	01030		100			CHROMIUM, DISSOLVED	UG/L	Metal
7440473	01031		100			CHROMIUM, SUSPENDED	UG/L	Metal
7440473	01032	16	100	1100		CHROMIUM, HEXAVALENT	UG/L	Metal
16065831	01033	1700+	100	10300*		CHROMIUM, TRI-VAL	UG/L	Metal
7440473	01034		100			CHROMIUM, TOTAL	UG/L	Metal
7440508	01040	18+	1300a	2.9		COPPER, DISSOLVED	UG/L	Metal
7440508	01041	18+	1300a	2.9		COPPER, SUSPENDED	UG/L	Metal
7440508	01042	18+	1300a	2.9		COPPER, TOTAL	UG/L	Metal
7439921	01049	82+	15a	220		LEAD, DISSOLVED	UG/L	Metal
7439921	01050	82+	15a	220		LEAD, SUSPENDED	UG/L	Metal
7439921	01051	82+	15a	220		LEAD, TOTAL	UG/L	Metal
7440280	01057	1400*	2.0	2130*		THALLIUM, DISSOLVED	UG/L	Metal
7440280	01058	1400*	2.0	2130*		THALLIUM, SUSPENDED	UG/L	Metal
7440280	01059	1400*	2.0	2130*		THALLIUM, TOTAL	UG/L	Metal
7440020	01065	1400+	100	75		NICKEL, DISSOLVED	UG/L	Metal
7440020	01066	1400+	100	75		NICKEL, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	01067	1400[+]	100	75		NICKEL, TOTAL	UG/L	Metal
7440020	01074	1400[+]	100	75		NICKEL, TOTAL RECOVERABLE IN WATER AS NI	UG/L	Metal
7440224	01075	4.1[+]	100[s]	0.12		SILVER, DISSOLVED	UG/L	Metal
7440224	01076	4.1[+]	100[s]	0.12		SILVER, SUSPENDED	UG/L	Metal
7440224	01077	4.1[+]	100[s]	0.12		SILVER, TOTAL	UG/L	Metal
7440224	01079	4.1[+]	100[s]	0.12		SILVER, TOTAL RECOVERABLE IN WATER AS AG	UG/L	Metal
7440508	01089	0.018[+]	1.3[a]	0.0029		COPPER AS SUSPENDED BLACK OXIDE IN WATER	MG/L	General Inorganic
7440666	01090	120[+]	5000[s]	95		ZINC, DISSOLVED	UG/L	Metal
7440666	01091	120[+]	5000[s]	95		ZINC, SUSPENDED	UG/L	Metal
7440666	01092	120[+]	5000[s]	95		ZINC, TOTAL	UG/L	Metal
7440666	01094	120[+]	5000[s]	95		ZINC, TOTAL RECOVERABLE IN WATER AS ZN	UG/L	Metal
7440360	01095	88[p]	6.0	1500[p]		ANTIMONY, DISSOLVED	UG/L	Metal
7440360	01096	88[p]	6.0	1500[p]		ANTIMONY, SUSPENDED	UG/L	Metal
7440360	01097	88[p]	6.0	1500[p]		ANTIMONY, TOTAL	UG/L	Metal
7440439	01113	3.9[+]	5.0	43		CADMIUM,TOTAL RECOVERABLE IN WATER AS CD	UG/L	Metal
7439921	01114	82[+]	15[a]	220		LEAD, TOTAL RECOVERABLE IN WATER AS PB	UG/L	Metal
7440473	01118		100			CHROMIUM TOTAL RECOVERABLE IN WATER AS CR	UG/L	Metal
7440508	01119	18[+]	1300[a]	2.9		COPPER, TOTAL RECOVERABLE IN WATER AS CU	UG/L	Metal
7440280	01124	1400[*]	2.0	2130[*]		THALLIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
7440280	01128	1400[*]	2.0	2130[*]		THALLIUM, TOTAL RECOVERABLE <95%	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	01145	20	50	300		SELENIUM, DISSOLVED	UG/L	Metal
7782492	01146	20	50	300		SELENIUM, SUSPENDED	UG/L	Metal
7782492	01147	20	50	300		SELENIUM, TOTAL	UG/L	Metal
7782492	01167	20	50	300		SELENIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
18540299	01220	16	100	1100		CHROMIUM, HEXAVALENT, DISSOLVED	UG/L	Metal
7440360	01268	88[p]	6.0	1500[p]		ANTIMONY (SB), WATER, TOTAL RECOVERABLE	UG/L	Metal
57125	01291	22	200	1.0		CYANIDE, FILTERABLE, TOTAL IN WATER	UG/L	General Inorganic
7440666	01303	0.120[+]	5.0[s]	0.095		ZINC, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440224	01304	0.0041[+]	0.1[s]	0.00012		SILVER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440508	01306	0.018[+]	1.3[a]	0.0029		COPPER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
18540299	01307	0.016	0.1	1.1		CHROMIUM, HEXAVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7440382	01309	0.36	0.05	0.069		ARSENIC, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440393	01311		2.0			BARIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440417	01312	0.13[*]	0.004			BERYLLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440439	01313	0.0039[+]	0.005	0.043		CADMIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
16065831	01314	1.7[+]	0.1	10.3[*]		CHROMIUM, TRIVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7439921	01318	0.082[+]	0.015[a]	0.220		LEAD, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7439976	01321	0.0024	0.002	0.0021		MERCURY, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440020	01322	1.4[+]	0.1	0.075		NICKEL, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7782492	01323	0.020	0.050	0.300		SELENIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440280	01324	1.4*	0.002	2.13*		THALLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440611	01326		0.020c			URANIUM, POTENTIALLY DISSOLVED, WATER	MG/L	Metal
7440224	01523	4.1+	100s	0.12		SILVER, IONIC	UG/L	Metal
50328	03648		0.2			BENZO (A) PYRENE, LIQUID FRACTION, ELUTRIATE	UG/L	General Organic
122349	04035		4.0			SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
10028178	04124		20r			TRITIUM, TOTAL, WATER	PC/ML	Radiological
10028178	07000		20000r			TRITIUM, TOTAL	PC/L	Radiological
10028178	07005		20000r			TRITIUM, DISSOLVED	PC/L	Radiological
10028178	07010		20000r			TRITIUM, SUSPENDED	PC/L	Radiological
	09501		5.0			RADIUM 226, TOTAL	PC/L	Radiological
	09503		5.0			RADIUM 226, DISSOLVED	PC/L	Radiological
	09505		5.0			RADIUM 226, SUSPENDED	PC/L	Radiological
	11500		5.0			RADIUM 226 + RADIUM 228, DISSOLVED	PC/L	Radiological
	11501		5.0			RADIUM 228, TOTAL	PC/L	Radiological
	11503		5.0			RADIUM 226 + RADIUM 228, TOTAL	PC/L	Radiological
10098972	13501		8.0r			STRONTIUM 90, TOTAL	PC/L	Radiological
10098972	13503		8.0r			STRONTIUM 90, DISSOLVED	PC/L	Radiological
10098972	13505		8.0r			STRONTIUM 90, SUSPENDED	PC/L	Radiological
7782492	22675	20	50	300		SELENIUM, DISSOLVED ORGANIC	UG/L	Metal
7782492	22676	20	50	300		SELENIUM, HEXAVALENT, DISSOLVED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	22677	20	50	300		SELENIUM, TETRAVALENT, DISSOLVED	UG/L	Metal
7440382	22678	360	50	69		ARSENIC, DISSOLVED ORGANIC	UG/L	Metal
7440382	22679	850*	50	2319*		ARSENIC, PENTAVALENT,DISSOLVED	UG/L	Metal
7440382	22680	360	50	69		ARSENIC, TRIVALENT, DISSOLVED	UG/L	Metal
7440611	22703		20[c]			URANIUM, NATURAL DISSOLVED	UG/L	Metal
7440611	22705		20[c]			URANIUM, NATURAL SUSPENDED	UG/L	Metal
7440611	22706		20[c]			URANIUM, TOTAL AS U308	UG/L	Metal
7440611	22708		0.020[c]			URANIUM, NATURAL, TOTAL	MG/L	Radiological
7440611	28011		20[c]			URANIUM, NATURAL, TOTAL	UG/L	Radiological
88857	30191		7.0			DINOSEB, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
75990	30200		200			DALAPON, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
106934	30203		0.05			ETHANE, 1,2-DIBROMO-, WATER, WHOLE, RECOVERABLE	UG/L	Pesticide
	31501		1.0[n]		1000[b]	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	CFU/100ML	Bacteriological
	31503		1.0[n]		1000[b]	COLIFORM, TOTAL, MEMBRANE FILTER, DELAY. M-ENDO	CFU/100ML	Bacteriological
	31504		1.0[n]		1000[b]	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED. LES-ENDO	CFU/100ML	Bacteriological
	31505		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, CONF. TEST 35C (TUBE 31506)	MPN/100ML	Bacteriological
	31506		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31507		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, COMP. TEST 35C (TUBE 31508)	MPN/100ML	Bacteriological
	31508		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, COMP. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31613				200^	FECAL COLIFORM, MEMBRANE FILTER, AGAR	CFU/100ML	Bacteriological

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	31614				200^	FECAL COLIFORM, MPN, TUBE CONFIGURATION	MPN/100ML	Bacteriological
	31615				200^	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	MPN/100ML	Bacteriological
	31616				200^	FECAL COLIFORM, MEMBRANE FILTER, BROTH, 44.5C	CFU/100ML	Bacteriological
	31617				200^	FECAL COLIFORM, MPN, EIJKMAN, 44.5C (TUBE 31618)	MPN/100ML	Bacteriological
	31625				200^	FECAL COLIFORM, MF, M-FC, 0.7 UM	CFU/100ML	Bacteriological
	31648				126^	E. COLI, MTEC, MF	CFU/100ML	Bacteriological
	31649				33^	ENTEROCOCCI, ME, MF	CFU/100ML	Bacteriological
67663	32003	28900*	100[t]			CARBON CHLOROFORM AND CARBON ALCOHOL EXTRS.,TOTAL	UG/L	General Organic
67663	32005	28900*	100[t]			CARBON CHLOROFORM EXTRACTABLES	UG/L	General Organic
67663	32021	28900*	100[t]			CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLES OF	UG/L	General Organic
67663	32022	28900*	100[t]			CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES OF	UG/L	General Organic
75274	32101		100[t]			BROMODICHLOROMETHANE, WHOLE WATER	UG/L	General Organic
56235	32102	35200*	5.0	50000*		CARBON TETRACHLORIDE, WHOLE WATER	UG/L	General Organic
107062	32103	118000*	5.0	113000*		1,2-DICHLOROETHANE,WHOLE WATER	UG/L	General Organic
75252	32104		100[t]			BROMOFORM, WHOLE WATER	UG/L	General Organic
124481	32105		100[t]			DIBROMOCHLOROMETHANE, WHOLE WATER	UG/L	General Organic
67663	32106	28900*	100[t]			CHLOROFORM, WHOLE WATER	UG/L	General Organic
56235	32260	35.2*	0.005	50*		CARBON TETRACHLORIDE EXTRACTABLES	MG/L	General Organic
67663	32270	28.9*	0.1[t]			CHLOROFORM EXTRACTABLES TOTAL	MG/L	General Organic
108883	34010	17500*	1000	6300*		TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
1330207	34020		10000			XYLENES IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic
83329	34205	1700*		970*		ACENAPHTHENE, TOTAL	UG/L	General Organic
83329	34206	1700*		970*		ACENAPHTHENE, DISSOLVED	UG/L	General Organic
83329	34207	1700*		970*		ACENAPHTHENE, SUSPENDED	UG/L	General Organic
107028	34210	68*		55*		ACROLEIN, TOTAL	UG/L	Pesticide
107028	34211	68*		55*		ACROLEIN, DISSOLVED	UG/L	Pesticide
107028	34212	68*		55*		ACROLEIN, SUSPENDED	UG/L	Pesticide
107131	34215	7550*				ACRYLONITRILE, TOTAL	UG/L	General Organic
107131	34216	7550*				ACRYLONITRILE, DISSOLVED	UG/L	General Organic
107131	34217	7550*				ACRYLONITRILE, SUSPENDED	UG/L	General Organic
71432	34235	5300*	5.0	5100*		BENZENE, DISSOLVED	UG/L	General Organic
71432	34236	5300*	5.0	5100*		BENZENE, SUSPENDED	UG/L	General Organic
92875	34239	2500*				BENZIDINE, DISSOLVED	UG/L	General Organic
92875	34240	2500*				BENZIDINE, SUSPENDED	UG/L	General Organic
58899	34265	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, DISSOLVED	UG/L	Pesticide
58899	34266	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, SUSPENDED	UG/L	Pesticide
75252	34288		100[t]			BROMOFORM, DISSOLVED	UG/L	General Organic
75252	34289		100[t]			BROMOFORM, SUSPENDED	UG/L	General Organic
56235	34297	35200*	5.0	50000*		CARBON TETRACHLORIDE, DISSOLVED	UG/L	General Organic
56235	34298	35200*	5.0	50000*		CARBON TETRACHLORIDE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108907	34301		100			CHLOROBENZENE, TOTAL	UG/L	General Organic
108907	34302		100			CHLOROBENZENE, DISSOLVED	UG/L	General Organic
108907	34303		100			CHLOROBENZENE, SUSPENDED	UG/L	General Organic
124481	34306		100[t]			CHLORODIBROMOMETHANE, TOTAL	UG/L	General Organic
124481	34307		100[t]			CHLORODIBROMOMETHANE, DISSOLVED	UG/L	General Organic
124481	34308		100[t]			CHLORODIBROMOMETHANE, SUSPENDED	UG/L	General Organic
67663	34316	28900[*]	100[t]			CHLOROFORM, DISSOLVED	UG/L	General Organic
67663	34317	28900[*]	100[t]			CHLOROFORM, SUSPENDED	UG/L	General Organic
57125	34325	0.022	0.2	0.001		CYANIDE, SUSPENDED	MG/L	General Inorganic
75274	34328		100[t]			DICHLOROBROMOMETHANE, DISSOLVED	UG/L	General Organic
75274	34329		100[t]			DICHLOROBROMOMETHANE, SUSPENDED	UG/L	General Organic
122667	34346	270[*]				1,2-DIPHENYLHYDRAZINE, TOTAL	UG/L	General Organic
122667	34347	270[*]				1,2-DIPHENYLHYDRAZINE, DISSOLVED	UG/L	General Organic
122667	34348	270[*]				1,2-DIPHENYLHYDRAZINE, SUSPENDED	UG/L	General Organic
33213659	34356	0.22		0.034		ENDOSULFAN, BETA, TOTAL	UG/L	Pesticide
33213659	34357	0.22		0.034		ENDOSULFAN, BETA, DISSOLVED	UG/L	Pesticide
33213659	34358	0.22		0.034		ENDOSULFAN, BETA, SUSPENDED	UG/L	Pesticide
959988	34361	0.22		0.034		ENDOSULFAN, ALPHA, TOTAL	UG/L	Pesticide
959988	34362	0.22		0.034		ENDOSULFAN, ALPHA, DISSOLVED	UG/L	Pesticide
959988	34363	0.22		0.034		ENDOSULFAN, ALPHA, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
100414	34371	32000*	700	430*		ETHYLBENZENE, TOTAL	UG/L	General Organic
100414	34372	32000*	700	430*		ETHYLBENZENE, DISSOLVED	UG/L	General Organic
100414	34373	32000*	700	430*		ETHYLBENZENE, SUSPENDED	UG/L	General Organic
206440	34376	3980*		40*		FLUORANTHENE, TOTAL	UG/L	General Organic
206440	34377	3980*		40*		FLUORANTHENE, DISSOLVED	UG/L	General Organic
206440	34378	3980*		40*		FLUORANTHENE, SUSPENDED	UG/L	General Organic
77474	34386	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, TOTAL	UG/L	General Organic
77474	34387	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, DISSOLVED	UG/L	General Organic
77474	34388	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, SUSPENDED	UG/L	General Organic
87683	34391	90*		32*		HEXACHLOROBUTADIENE, TOTAL	UG/L	General Organic
87683	34392	90*		32*		HEXACHLOROBUTADIENE, DISSOLVED	UG/L	General Organic
87683	34393	90*		32*		HEXACHLOROBUTADIENE, SUSPENDED	UG/L	General Organic
67721	34396	980*		940*		HEXACHLOROETHANE, TOTAL	UG/L	General Organic
67721	34397	980*		940*		HEXACHLOROETHANE, DISSOLVED	UG/L	General Organic
67721	34398	980*		940*		HEXACHLOROETHANE, SUSPENDED	UG/L	General Organic
118741	34401	6.0[p]	1.0			HEXACHLOROBENZENE, DISSOLVED	UG/L	General Organic
118741	34402	6.0[p]	1.0			HEXACHLOROBENZENE, SUSPENDED	UG/L	General Organic
193395	34403		0.40[c]			INDENO (1,2,3-CD) PYRENE, TOTAL	UG/L	General Organic
193395	34404		0.40[c]			INDENO (1,2,3-CD) PYRENE, DISSOLVED	UG/L	General Organic
193395	34405		0.40[c]			INDENO (1,2,3-CD) PYRENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
78591	34408	117000*		12900*		ISOPHORONE, TOTAL	UG/L	Pesticide
78591	34409	117000*		12900*		ISOPHORONE, DISSOLVED	UG/L	Pesticide
78591	34410	117000*		12900*		ISOPHORONE, SUSPENDED	UG/L	Pesticide
75092	34423		5.0			METHYLENE CHLORIDE, TOTAL	UG/L	General Organic
75092	34424		5.0			METHYLENE CHLORIDE, DISSOLVED	UG/L	General Organic
75092	34425		5.0			METHYLENE CHLORIDE, SUSPENDED	UG/L	General Organic
91203	34443	2300*		2350*		NAPHTHALENE, DISSOLVED	UG/L	General Organic
91203	34444	2300*		2350*		NAPHTHALENE, SUSPENDED	UG/L	General Organic
98953	34447	27000*		6680*		NITROBENZENE, TOTAL	UG/L	General Organic
98953	34448	27000*		6680*		NITROBENZENE, DISSOLVED	UG/L	General Organic
98953	34449	27000*		6680*		NITROBENZENE, SUSPENDED	UG/L	General Organic
59507	34452	30*				PARACHLOROMETA CRESOL, TOTAL	UG/L	General Organic
59507	34453	30*				PARACHLOROMETA CRESOL, DISSOLVED	UG/L	General Organic
59507	34454	30*				PARACHLOROMETA CRESOL, SUSPENDED	UG/L	General Organic
87865	34459	20***	1.0	13		PCP (PENTACHLOROPHENOL), DISSOLVED	UG/L	Pesticide
87865	34460	20***	1.0	13		PCP (PENTACHLOROPHENOL), SUSPENDED	UG/L	Pesticide
85018	34461	30p		7.7p		PHENANTHRENE, TOTAL	UG/L	General Organic
85018	34462	30p		7.7p		PHENANTHRENE, DISSOLVED	UG/L	General Organic
85018	34463	30p		7.7p		PHENANTHRENE, SUSPENDED	UG/L	General Organic
108952	34466	10200*		5800*		PHENOL, DISSOLVED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108952	34467	10200*		5800*		PHENOL, SUSPENDED	UG/L	General Organic
127184	34475	5280*	5.0	10200*		TETRACHLOROETHYLENE, TOTAL	UG/L	General Organic
127184	34476	5280*	5.0	10200*		TETRACHLOROETHYLENE, DISSOLVED	UG/L	General Organic
127184	34477	5280*	5.0	10200*		TETRACHLOROETHYLENE, SUSPENDED	UG/L	General Organic
108883	34481	17500*	1000	6300*		TOLUENE, DISSOLVED	UG/L	General Organic
108883	34482	17500*	1000	6300*		TOLUENE, SUSPENDED	UG/L	General Organic
79016	34485	45000*	5.0	2000*		TRICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
79016	34486	45000*	5.0	2000*		TRICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
75014	34493		2.0			VINYL CHLORIDE, DISSOLVED	UG/L	General Organic
75014	34494		2.0			VINYL CHLORIDE, SUSPENDED	UG/L	General Organic
75354	34501		7.0			1,1-DICHLOROETHYLENE, TOTAL	UG/L	General Organic
75354	34502		7.0			1,1-DICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
75354	34503		7.0			1,1-DICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
71556	34506		200	31200*		1,1,1-TRICHLOROETHANE, TOTAL	UG/L	General Organic
71556	34507		200	31200*		1,1,1-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
71556	34508		200	31200*		1,1,1-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79005	34511		5.0			1,1,2-TRICHLOROETHANE, TOTAL	UG/L	General Organic
79005	34512		5.0			1,1,2-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
79005	34513		5.0			1,1,2-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79345	34516			9020*		1,1,2,2-TETRACHLOROETHANE, TOTAL	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
79345	34517			9020*		1,1,2,2-TETRACHLOROETHANE, DISSOLVED	UG/L	General Organic
79345	34518			9020*		1,1,2,2-TETRACHLOROETHANE, SUSPENDED	UG/L	General Organic
107062	34531	118000*	5.0	113000*		1,2-DICHLOROETHANE, TOTAL	UG/L	General Organic
107062	34532	118000*	5.0	113000*		1,2-DICHLOROETHANE, DISSOLVED	UG/L	General Organic
107062	34533	118000*	5.0	113000*		1,2-DICHLOROETHANE, SUSPENDED	UG/L	General Organic
95501	34536		600			1,2-DICHLOROBENZENE, TOTAL	UG/L	General Organic
95501	34537		600			1,2-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
95501	34538		600			1,2-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
78875	34541		5.0			1,2-DICHLOROPROPANE, TOTAL	UG/L	General Organic
78875	34542		5.0			1,2-DICHLOROPROPANE, DISSOLVED	UG/L	General Organic
78875	34543		5.0			1,2-DICHLOROPROPANE, SUSPENDED	UG/L	General Organic
156605	34546		100			TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER	UG/L	General Organic
156605	34547		100			TRANS-1,2-DICHLOROETHENE, DISSOLVED	UG/L	General Organic
156605	34548		100			TRANS-1,2-DICHLOROETHENE, SUSPENDED	UG/L	General Organic
120821	34551		70			1,2,4-TRICHLOROBENZENE, TOTAL	UG/L	General Organic
120821	34552		70			1,2,4-TRICHLOROBENZENE, DISSOLVED	UG/L	General Organic
120821	34553		70			1,2,4-TRICHLOROBENZENE, SUSPENDED	UG/L	General Organic
541731	34566		600			1,3-DICHLOROBENZENE, TOTAL	UG/L	General Organic
541731	34567		600			1,3-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
541731	34568		600			1,3-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
106467	34571		75			1,4-DICHLOROBENZENE, TOTAL	UG/L	General Organic
106467	34572		75			1,4-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
106467	34573		75			1,4-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
95578	34586	4380*				2-CHLOROPHENOL, TOTAL	UG/L	General Organic
95578	34587	4380*				2-CHLOROPHENOL, DISSOLVED	UG/L	General Organic
95578	34588	4380*				2-CHLOROPHENOL, SUSPENDED	UG/L	General Organic
120832	34601	2020*				2,4-DICHLOROPHENOL, TOTAL	UG/L	General Organic
120832	34602	2020*				2,4-DICHLOROPHENOL, DISSOLVED	UG/L	General Organic
120832	34603	2020*				2,4-DICHLOROPHENOL, SUSPENDED	UG/L	General Organic
105679	34606	2120*				2,4-DIMETHYLPHENOL, TOTAL	UG/L	General Organic
105679	34607	2120*				2,4-DIMETHYLPHENOL, DISSOLVED	UG/L	General Organic
105679	34608	2120*				2,4-DIMETHYLPHENOL, SUSPENDED	UG/L	General Organic
121142	34611	330*		590*		2,4-DINITROTOLUENE, TOTAL	UG/L	General Organic
121142	34612	330*		590*		2,4-DINITROTOLUENE, DISSOLVED	UG/L	General Organic
121142	34613	330*		590*		2,4-DINITROTOLUENE, SUSPENDED	UG/L	General Organic
72548	34651	0.6*		3.6*		P,P'-DDD, DISSOLVED	UG/L	Pesticide
72548	34652	0.6*		3.6*		P,P'-DDD, SUSPENDED	UG/L	Pesticide
72559	34653	1050*		14*		P,P'-DDE, DISSOLVED	UG/L	Pesticide
72559	34654	1050*		14*		P,P'-DDE, SUSPENDED	UG/L	Pesticide
50293	34655	1.1		0.13		P,P'-DDT, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
50293	34656	1.1		0.13		P,P'-DDT, SUSPENDED	UG/L	Pesticide
1746016	34675	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), TOT	UG/L	General Organic
1746016	34676	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), DISS	UG/L	General Organic
1746016	34677	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), SUSP	UG/L	General Organic
108952	34694	10200*		5800*		PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	UG/L	General Organic
91203	34696	2300*		2350*		NAPHTHALENE, TOTAL	UG/L	General Organic
75990	38432		200			DALAPON, WATER, TOTAL	UG/L	Pesticide
75990	38433		200			DALAPON, WATER, DISSOLVED	UG/L	Pesticide
75990	38434		200			DALAPON, WATER, SUSPENDED	UG/L	Pesticide
96128	38437		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL	UG/L	Pesticide
96128	38438		0.2			DIBROMOCHLOROPROPANE, WATER, DISSOLVED	UG/L	Pesticide
96128	38439		0.2			DIBROMOCHLOROPROPANE WATER, SUSPENDED	UG/L	Pesticide
96128	38760		0.2			DBCP, WATER, TOTAL	UG/L	Pesticide
96128	38761		0.2			DBCP, WATER, DISSOLVED	UG/L	Pesticide
96128	38762		0.2			DBCP, WATER, SUSPENDED	UG/L	Pesticide
88857	38779		7.0			DINOSEB, DISSOLVED	UG/L	Pesticide
88857	38780		7.0			DINOSEB, SUSPENDED	UG/L	Pesticide
23135220	38865		200			OXAMYL, TOTAL	UG/L	Pesticide
23135220	38866		200			OXAMYL, DISSOLVED	UG/L	Pesticide
23135220	38867		200			OXAMYL, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
145733	38926		100			ENDOTHALL, WHOLE WATER SAMPLE	UG/L	Pesticide
2921882	38932	0.083		0.011		CHLORPYRIFOS, TOTAL RECOVERABLE	UG/L	Pesticide
2921882	38933	0.083		0.011		CHLORPYRIFOS, DISSOLVED	UG/L	Pesticide
2163806	38935		50			MONOSODIUM METHANEARSONATE (MSMA)	UG/L	Pesticide
2921882	39012	0.083		0.011		DURSBAN, FLAME PHOTOMETRIC, WATER SAMPLE	UG/L	Pesticide
56382	39015	0.065				ETHYLPARATHION, FLAME IONIFATION, WATER SAMPLE	UG/L	Pesticide
122349	39025		4.0			SIMAZINE, COULSON CONDUCTIVITY WATER SAMPLE	UG/L	Pesticide
87865	39032	20***	1.0	13		PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39033		3.0			ATRAZINE IN WHOLE WATER SAMPLE	UG/L	Pesticide
118741	39039	6.0[P]	1.0			HEXACHLOROBENZENE WATER SAMPLE, ELECTRON CPT	UG/L	Pesticide
93721	39045		50			2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPLE	UG/L	Pesticide
116063	39053		3.0			ALDICARB IN WHOLE WATER	UG/L	Pesticide
122349	39055		4.0			SIMAZINE IN WHOLE WATER	UG/L	Pesticide
117817	39100	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	UG/L	General Organic
117817	39103	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED	UG/L	General Organic
117817	39104	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED	UG/L	General Organic
	39117	0.94*		2.994*		PHTHLATE ESTERS IN WATER	MG/L	General Organic
75014	39175		2.0			VINYL CHLORIDE-WHOLE WATER SAMPLE	UG/L	General Organic
79016	39180	45000*	5.0	2000*		TRICHLOROETHYLENE-WHOLE WATER SAMPLE	UG/L	General Organic
50293	39300	1.1		0.13		P,P' DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
72548	39310	0.6*		3.6*		P,P' DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39320	1050*		14*		P,P' DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39330	3.0		1.3		ALDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39331	3.0		1.3		ALDRIN IN FILT. FRAC. OF WAT. SAMP.	UG/L	Pesticide
309002	39332	3.0		1.3		ALDRIN IN SUSP. FRAC. OF WAT. SAMP.	UG/L	Pesticide
58899	39340	2.0	0.2	0.16		GAMMA-BHC(LINDANE), WHOLE WATER	UG/L	Pesticide
58899	39341	2.0	0.2	0.16		GAMMA-BHC(LINDANE), DISSOLVED	UG/L	Pesticide
58899	39342	2.0	0.2	0.16		GAMMA-BHC(LINDANE), SUSPENDED	UG/L	Pesticide
57749	39350	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), WHOLE WATER	UG/L	Pesticide
57749	39352	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), DISSOLVED	UG/L	Pesticide
57749	39353	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), SUSPENDED	UG/L	Pesticide
72548	39360	0.6*		3.6*		DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72548	39361	0.6*		3.6*		DDD IN FILT. FRAC. OF WATER SMAPLE	UG/L	Pesticide
72548	39362	0.6*		3.6*		DDD IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39365	1050*		14*		DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39366	1050*		14*		DDE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39367	1050*		14*		DDE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39370	1.1		0.13		DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide
50293	39371	1.1		0.13		DDT IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39372	1.1		0.13		DDT IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
60571	39380	2.5		0.71		DIELDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
60571	39381	2.5		0.71		DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
60571	39382	2.5		0.71		DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
115297	39388	0.22		0.034		ENDOSULFAN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39390	0.18	2.0	0.037		ENDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39391	0.18	2.0	0.037		ENDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72208	39392	0.18	2.0	0.037		ENDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39400	0.73	3.0	0.21		TOXAPHENE IN WHOLE WATER SAMPLE	UG/L	Pesticide
8001352	39401	0.73	3.0	0.21		TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39402	0.73	3.0	0.21		TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39410	0.52	0.4	0.053		HEPTACHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	39411	0.52	0.4	0.053		HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39412	0.52	0.4	0.053		HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1024573	39420	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1024573	39421	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN FILT. FRAC. WATER SAMPLE	UG/L	Pesticide
1024573	39422	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN SUSP. FRAC. WATER SAMPLE	UG/L	Pesticide
72435	39478		40			METHOXYCHLOR IN WHOLE WATER DISSOLVED	UG/L	Pesticide
72435	39479		40			METHOXYCHLOR IN WHOLE WATER SUSPENDED	UG/L	Pesticide
72435	39480		40			METHOXYCHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
56382	39540	0.065				PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
56382	39542	0.065				PARATHION IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
56382	39543	0.065				PARATHION IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1912249	39630		3.0			ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39632		3.0			ATRAZINE DISSOLVED IN WATER	PPB	Pesticide
118741	39700	6.0[P]	1.0			HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	UG/L	General Organic
87683	39702	90[*]		32[*]		HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE	UG/L	General Organic
1918021	39720		500			PICLORAM IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39730		70			2,4-D IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39732		70			2,4-D IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
94757	39733		70			2,4-D IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39760		50			SILVEX IN WHOLE WATER SAMPLE	UG/L	Pesticide
93721	39762		50			SILVEX IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39763		50			SILVEX IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
58899	39782	2.0	0.2	0.16		LINDANE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1071836	39941		700			ROUNDUP IN WHOLE WATER SAMPLE (GLYPHOSATE)	UG/L	Pesticide
7782505	45650	0.019		0.013		CHLORINE, IN ORGANIC COMPOUNDS, WATER, WHOLE	MG/L	General Inorganic
56382	46315	0.065				ETHYL PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
58899	46322	2.0	0.2	0.16		LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	46326	0.52	0.4	0.053		HEPTACHLOR AND METABOLITES IN WHOLE H2O SAMPLE	UG/L	Pesticide
15972608	46342		2.0			ALACHLOR (LASSO), WATER, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782505	46472	0.019		0.013		CHLORINE, TOTAL RESIDUAL, AVERAGE VALUE, WATER	MG/L	General Inorganic
7782505	46473	0.019		0.013		CHLORINE, FREE AVAILABLE, AVERAGE VALUE, WATER	MG/L	General Inorganic
57125	46479	22	200	1.0		CYANIDE, DISSOLVED, WATER	UG/L	General Inorganic
7440382	46551	360	50	69		ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILTERED	UG/L	Metal
7440393	46558		2000			BARIUM, FIELD ACIDIFIED W/HNO3-LAB FILT	UG/L	Metal
7440439	46559	3.9[+]	5.0	43		CADMIUM,FIELD ACIDIFIED-HNO3-LAB FILTER	UG/L	Metal
7440473	46560		100			CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT.	UG/L	Metal
7440508	46562	18[+]	1300[a]	2.9		COPPER, FIELD ACIDIFIED-HNO3- LAB FILTER.	UG/L	Metal
7439921	46564	82[+]	15[a]	220		LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED	UG/L	Metal
7440224	46566	4.1[+]	100[s]	0.12		SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.	UG/L	Metal
7440666	46567	120[+]	5000[s]	95		ZINC, EXTRACTABLE, FIELD ACID W/HNO3,LAB FILTR	UG/L	Metal
56382	49011	0.065				UNKNOWNS AS PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
7782505	50058	0.019		0.013		CHLORINE DOSE	MG/L	General Inorganic
7782505	50060	0.019		0.013		CHLORINE, TOTAL RESIDUAL	MG/L	General Inorganic
7782505	50064	0.019		0.013		CHLORINE, FREE AVAILABLE	MG/L	General Inorganic
7782505	50066	0.019		0.013		CHLORINE, COMBINED AVAILABLE	MG/L	General Inorganic
7782505	50074	0.019		0.013		CHLORITE, WHOLE WATER	MG/L	General Inorganic
	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		250[s]			SULFATE, WATER, DISSOLVED AS S	MG/L	Metal
85007	78885		20			DIQUAT DIBROMIDE (REGLONE) WHOLE WATER SAMPLE	UG/L	Pesticide
7440611	80020		20[c]			URANIUM, DISS. BY EXTRACTION FLUOROMETRIC	UG/L	Radiological
16065831	80357	1700	100	10300*		CHROMIUM, TRIVALENT, DISSOLVED	UG/L	Metal
57125	81208	0.022	0.2	0.001		CYANIDE,FREE (NOT AMENABLE TO CHLORINATION)	MG/L	General Inorganic
608731	81283	100*		0.34*		BENZENEHEXACHLORIDE, WHOLE WATER	UG/L	Pesticide
88857	81287		7.0			DNBP(C10H12N2O5), WHOLE WATER SAMPLE	UG/L	Pesticide
26638197	81327	23000*	5.0	10300*		DICHLOROPROPANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81333	1120*		1970*		DICHLOROBENZENE ISOMER, WHOLE WATER SAMPLE	UG/L	General Organic
2921882	81403	0.083		0.011		DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMPLE	UG/L	Pesticide
1563662	81405		40			CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	UG/L	Pesticide
76017	81501	7240*		390*		PENTACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81524	1120*		1970*		DICHLOROBENZENE, WHOLE WATER SAMPLE	UG/L	General Organic
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+	1300[a]	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[t]	TURBIDITY, FIELD	NTU	Physical
	82079				50[t]	TURBIDITY, LAB	NTU	Physical
88857	82226		7.0			2 SECONDARY BUTYL 4,6-DINITROPHENOL	UG/L	Pesticide
16887006	82295	860000	250000[s]			CHLORIDE DISSOLVED AS CL IN WATER	UG/L	General Inorganic
72435	82350		40			METHOXYCHLOR, DISSOLVED IN WATER	UG/L	Pesticide
72435	82351		40			METHOXYCHLOR, SUSPENDED IN WATER	UG/L	Pesticide
115297	82354	0.22		0.034		ENDOSULFAN, DISSOLVED IN WATER	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
115297	82355	0.22		0.034		ENDOSULFAN, SUSPENDED IN WATER	UG/L	Pesticide
57125	82573	0.022	0.2	0.001		CYANIDE/CHLORINATION IN WATER	MG/L	General Inorganic
1646873	82586		4.0			ALDICARB SULFOXIDE, WATER, TOTAL RECOVERABLE	UG/L	General Organic
1646884	82587		2.0			ALDICARB SULFONE, WHOLE WATER, TOTAL RECOVERABLE	UG/L	General Organic
23135220	82613		200			OXAMYL, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
1563662	82615		40			CARBOFURAN, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
116063	82619		3.0			ALDICARB, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
33213659	82624	0.22		0.034		ENDOSULFAN, BETA, WH WATER, TOTAL RECOVERABLE	UG/L	Pesticide
96128	82625		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL RECOVERABLE	UG/L	Pesticide

Footnote Key:

[*]Insufficient Data to Develop Criteria. Value Presented is the L.O.E.L. - Lowest Observed Effect Level.

[+]Hardness Dependent Criteria (100 mg/L $CaCO_3$ Used).

[***]pH Dependent Criteria (7.8 pH Used).

[=]Rule of thumb criterion used by the NPS Air Quality Division for determining sensitivity to acid deposition.

[^]Freshwater bathing criterion, EPA geometric mean based on at least 5 samples equally spaced over a 30-day period; Enterococci marine water bathing criterion 35 CFU/100 ml.

[#]EPA freshwater aquatic life chronic criterion; marine criterion is ≤6.5, ≥8.5.

[!]Arizona state standard.

[a]EPA action level, 40 CFR 141.80.

[b]California and Florida state bathing water standards.

[c]A Compilation of Water Quality Goals, California Regional Water Quality Control Board Central Valley Region, Sacramento, California, September, 1991.

[n]Total coliform drinking water maximum contaminant level (1 cfu/100ml or 1 mpn/100ml) was not used in water quality criteria comparisons.

[p]Proposed Criterion.

[r]Average annual concentration assumed to produce a total body or organ dose of 4 mrem/year, 40 CFR 141.16.

[s]EPA National Secondary Drinking Water Regulation, 40 CFR 143.

[t]The maximum contaminant level for the sum of the concentrations of trihalomethanes is 100 µg/L, 40 CFR 141.12.

[u]Coldwater criterion one day minimum; warmwater criterion seven day mean minimum.

Appendix G

Inventory Data Evaluation and Analysis (IDEA)
Servicewide Inventory and Monitoring Program "Level I"
Parameter Groups

The following table provides the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameter groups (National Park Service 1993). In order to determine the presence and/or absence of data for each of these parameter groups in the park, the parameter groups had to be defined by STORET parameter codes. This table provides the STORET codes and parameter descriptions for each parameter comprising one of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameter groups. Additional parameters could have been incorporated into each group, but an effort was made to represent each group with the parameters deemed to most likely occur in STORET and parks. The Toxic Elements Parameter Group was defined as the EPA's Clean Water Act Section 304(a) Priority Toxic Pollutants (40 CFR 131.36). Parameters are listed in ascending order of STORET code within each parameter group. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to find all the parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

STORET Code	Water Temperature Parameter Group	C.A.S. Number
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	-
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	-
STORET Code	**Flow Parameter Group[1]**	**C.A.S. Number**
00056	FLOW RATE, GALLONS/DAY	-
00058	FLOW RATE, GALLONS/MIN.	-
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	-
00060	FLOW, STREAM, MEAN DAILY CFS	-
00061	FLOW, STREAM, INSTANTANEOUS CFS	-
00065	STAGE, STREAM (FEET)	-
00067	TIDE STAGE CODE	-
00072	STAGE, STREAM (METERS)	-

[1]Tide stage is included in the Flow Parameter Group for coastal parks.

STORET Code	Clarity/Turbidity Parameter Group	C.A.S. Number
00070	TURBIDITY, (JACKSON CANDLE UNITS)	-
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	-
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	-
00077	TRANSPARENCY, SECCHI DISC (INCHES)	-
00078	TRANSPARENCY, SECCHI DISC (METERS)	-
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	-
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	-
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	-

STORET Code	Conductivity Parameter Group	C.A.S. Number
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	-
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	-
00096	SALINITY AT 25 DEGREES C (MG/ML)	-
00480	SALINITY - PARTS PER THOUSAND	-

STORET Code	Dissolved Oxygen Parameter Group	C.A.S. Number
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	7782447
00300	OXYGEN, DISSOLVED (MG/L)	7782447
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	7782447
00389	OXYGEN, DISSOLVED, LAB ANAL. BY PROBE OF FIELD SAMPLE (MG/L)	7782447

STORET Code	pH Parameter Group	C.A.S. Number
00400	PH (STANDARD UNITS)	-
00403	PH, LAB (STANDARD UNITS)	-
00406	PH, FIELD (STANDARD UNITS)	-

STORET Code	Alkalinity Parameter Group	C.A.S. Number
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (μEQ/L)	471341
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	471341
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	77098
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	471341
00435	ACIDITY, TOTAL (MG/L AS CACO3)	471341
00440	BICARBONATE ION (MG/L AS HCO3)	71523
00445	CARBONATE ION (MG/L AS CO3)	3812326

STORET Code	Nitrate/Nitrogen Parameter Group	C.A.S. Number
00600	NITROGEN, TOTAL (MG/L AS N)	17778880
00602	NITROGEN, DISSOLVED (MG/L AS N)	17778880
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	17778880
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	17778880
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	17778880
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	17778880
00612	AMMONIA, UNIONZED (MG/L AS N)	7664417
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	17778880
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	17778880
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	17778880
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	17778880
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	17778880
00631	NITRITE PLUS NITRATE, DISSOLVED 1 DET. (MG/L AS N)	17778880
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	14798039
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	14798039
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	14797558
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	14797558
71855	NITRITE NITROGEN, TOTAL (MG/L AS NO2)	14797650
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	14797650

STORET Code	Phosphate/Phosphorus Parameter Group	C.A.S. Number
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	14265442
00655	PHOSPHATE, POLY (MG/L AS PO4)	14265442
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	14265442
00665	PHOSPHORUS, TOTAL (MG/L AS P)	7723140
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	7723140
00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	7723140
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	7723140
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	7723140
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	7723140

STORET Code	Sulfates/Total Dissolved Solids/Hardness Parameter Group	C.A.S. Number
00900	HARDNESS, TOTAL (MG/L AS CACO3)	471341
00945	SULFATE, TOTAL (MG/L AS SO4)	14808798
00946	SULFATE, DISSOLVED (MG/L AS SO4)	14808798
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	-

STORET Code	Chlorophyll Parameter Group	C.A.S. Number
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	479618
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	479618
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	479618
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	479618
32223	CHLOROPHYLL A (MG/M2) SPECTROPHOTOMETRIC CORRECTED	479618
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	479618
32229	CHLOROPHYLL A (MG/M2) FLUOR. CORRECTED, SUBSTRATER	479618
32230	CHLOROPHYLL A (MG/L)	479618

STORET Code	Bacteria Parameter Group	C.A.S. Number
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	-
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED., M-ENDO MED,35C	-
31503	COLIFORM, TOT, MEMBRANE FILTER, DELAY, M-ENDO MED, 35C	-
31504	COLIFORM, TOT, MEMBRANE FILTER, IMMED., LES-ENDO AGAR, 35C	-
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	-
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	-
31507	COLIFORM, TOT, MPN, COMPLETED TEST,35C(TUBE 31508)	-
31508	COLIFORM, TOT, MPN, COMPLETED TEST, TUBE CONFIG.	-
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	-
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	-
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	-
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	-
31617	FECAL COLIFORM, MPN,EIJKMAN TEST,44.5C(TUBE 31618)	-
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	-
31648	E. COLI - MTEC-MF	-
31649	ENTEROCOCCI- ME-MF	-
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	-
31676	FECAL STREPTOCOCCI, MPN, KF BROTH, TUBE CONFIG.	-
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	-
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	-
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	-
61215	FECAL COLIFORM, GENERAL #/100ML	-

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants)	C.A.S. Number
00718	CYANIDE, WEAK ACID, DISSOC. WATER, WHOLE (UG/L)	57125
00719	CYANIDE, FREE, IN WATER & WASTEWATERS, HBG (UG/L)	57125
00720	CYANIDE, TOTAL (MG/L AS CN)	57125
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION) (MG/L)	57125

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	57125
00724	CYANIDE COMPLEXED TO A RANGE OF COMPNDS (UG/L)	57125
00969	CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00973	AMPHIBOLE ASBESTOS FIBERS/LITER	1332214
00976	AMBIGUOUS ASBESTOS FIBERS/LITER	1332214
00977	NON-AMPHIBOLE NON-CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00978	ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	7440382
00981	SELENIUM, TOTAL RECOVERABLE IN WATER AS SE (UG/L)	7782492
00982	THALLIUM, TOTAL RECOVERABLE IN WATER AS (UG/L)	7440280
00990	SELENITE, TOTAL RECOVERABLE INORGANIC (UG/L)	7782492
00991	ARSENIC, TOTAL RECOVER. TRIVALENT INORGANIC (UG/L)	7440382
00995	ARSENIC, INORGANIC DISSOLVED (UG/L AS AS)	7440382
00996	ARSENIC, INORGANIC SUSPENDED (UG/L AS AS)	7440382
00997	ARSENIC, INORGANIC TOTAL (UG/L AS AS)	7440382
00998	BERYLLIUM, TOTAL RECOVERABLE IN WATER AS BE (UG/L)	7440417
01000	ARSENIC, DISSOLVED (UG/L AS AS)	7440382
01001	ARSENIC, SUSPENDED (UG/L AS AS)	7440382
01002	ARSENIC, TOTAL (UG/L AS AS)	7440382
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	7440417
01011	BERYLLIUM, SUSPENDED (UG/L AS BE)	7440417
01012	BERYLLIUM, TOTAL (UG/L AS BE)	7440417
01025	CADMIUM, DISSOLVED (UG/L AS CD)	7440439
01026	CADMIUM, SUSPENDED (UG/L AS CD)	7440439
01027	CADMIUM, TOTAL (UG/L AS CD)	7440439
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	7440473
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	7440473
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	7440473
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	16065831
01034	CHROMIUM, TOTAL (UG/L AS CR)	7440473

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01040	COPPER, DISSOLVED (UG/L AS CU)	7440508
01041	COPPER, SUSPENDED (UG/L AS CU)	7440508
01042	COPPER, TOTAL (UG/L AS CU)	7440508
01049	LEAD, DISSOLVED (UG/L AS PB)	7439921
01050	LEAD, SUSPENDED (UG/L AS PB)	7439921
01051	LEAD, TOTAL (UG/L AS PB)	7439921
01057	THALLIUM, DISSOLVED (UG/L AS TL)	7440280
01058	THALLIUM, SUSPENDED (UG/L AS TL)	7440280
01059	THALLIUM, TOTAL (UG/L AS TL)	7440280
01065	NICKEL, DISSOLVED (UG/L AS NI)	7440020
01066	NICKEL, SUSPENDED (UG/L AS NI)	7440020
01067	NICKEL, TOTAL (UG/L AS NI)	7440020
01074	NICKEL, TOTAL RECOVERABLE IN WATER AS NI (UG/L)	7440020
01075	SILVER, DISSOLVED (UG/L AS AG)	7440224
01076	SILVER, SUSPENDED (UG/L AS AG)	7440224
01077	SILVER, TOTAL (UG/L AS AG)	7440224
01079	SILVER, TOTAL RECOVERABLE IN WATER AS AG (UG/L)	7440224
01089	COPPER AS SUSPENDED BLACK OXIDE IN WATER (MG/L)	7440508
01090	ZINC, DISSOLVED (UG/L AS ZN)	7440666
01091	ZINC, SUSPENDED (UG/L ZN)	7440666
01092	ZINC, TOTAL (UG/L AS ZN)	7440666
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN (UG/L)	7440666
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	7440360
01096	ANTIMONY, SUSPENDED (UG/L AS SB)	7440360
01097	ANTIMONY, TOTAL (UG/L AS SB)	7440360
01113	CADMIUM, TOTAL RECOVERABLE IN WATER AS CD (UG/L)	7440439
01114	LEAD, TOTAL RECOVERABLE IN WATER AS PB (UG/L)	7439921
01118	CHROMIUM, TOTAL RECOVERABLE IN WATER AS CR (UG/L)	7440473
01119	COPPER,TOTAL RECOVERABLE IN WATER AS CU (UG/L)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01124	THALLIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7440280
01128	THALLIUM,TOTAL RECOVERABLE <95%, UG/L AS TL	7440280
01138	SELENIUM, IN WATER, LBS/DAY	7782492
01145	SELENIUM, DISSOLVED (UG/L AS SE)	7782492
01146	SELENIUM, SUSPENDED (UG/L AS SE)	7782492
01147	SELENIUM, TOTAL (UG/L AS SE)	7782492
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7782492
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	18540299
01252	ARSENIC, LB/DAY/CFS STREAM FLOW	7440382
01253	CADMIUM, LB/DAY/CFS STREAM FLOW	7440439
01254	CHROMIUM, TOTAL (LBS/DAY/CFS STREAM FLOW)	7740473
01255	CHROMIUM, HEXAVALENT, LB/DAY/CFS STREAM FLOW	18540299
01256	COPPER, LB/DAY/CFS STREAM FLOW	7440508
01257	CYANIDE LB/DAY/CFS STREAM FLOW	57125
01259	LEAD, LB/DAY/CFS STREAM FLOW	7439921
01260	MERCURY, LB/DAY/CFS STREAM FLOW	7439976
01261	NICKEL, LB/DAY/CFS STREAM FLOW	7440020
01263	SILVER, LB/DAY/CFS STREAM FLOW	7440224
01264	ZINC LB/DAY/CFS STREAM FLOW	7440666
01268	ANTIMONY, (SB), WATER, TOTAL RECOVERABLE (UG/L)	7440360
01291	CYANIDE, FILTERABLE, TOTAL IN WATER (UG/L)	57125
01303	ZINC, POTENTIALLY DISSOLVED WATER (MG/L)	7440666
01304	SILVER, POTENTIALLY DISSOLVED WATER (MG/L)	7440224
01306	COPPER, POTENTIALLY DISSOLVED WATER (MG/L)	7440508
01307	CHROMIUM, HEXAVALENT, POTENT. DISS. WATER (MG/L)	18540299
01309	ARSENIC, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440382
01312	BERYLLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440417
01313	CADMIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440439

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01314	CHROMIUM, TRIVALENT, POTENT., DISS., WATER (MG/L)	16065831
01318	LEAD, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439921
01321	MERCURY, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439976
01322	NICKEL, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440020
01323	SELENIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7782492
01324	THALLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440280
01523	SILVER, IONIC (UG/L)	7440224
22675	SELENIUM, DISSOLVED ORGANIC (UG/L)	7782492
22676	SELENIUM, HEXAVALENT, DISSOLVED (UG/L)	7782492
22677	SELENIUM, TETRAVALENT, DISSOLVED	7782492
22678	ARSENIC, DISSOLVED ORGANIC (UG/L)	7440382
22679	ARSENIC, PENTAVALENT, DISSOLVED (UG/L)	7440382
22680	ARSENIC, TRIVALENT, DISSOLVED (UG/L)	7440382
30197	2-CHLOROETHYLVINYL ETHER,WATER,WHL,RECOVER (UG/L)	110758
30201	CHLOROMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74873
30202	BROMOMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74839
32003	CARBON CHLOROFORM AND CARBON ALCOHOL EXT. (UG/L)	67663
32005	CARBON CHLOROFORM EXTRACTABLES (UG/L)	67663
32021	CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLE (UG/L)	67663
32022	CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES (UG/L)	67663
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	75274
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	56235
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	107062
32104	BROMOFORM, WHOLE WATER, (UG/L)	75252
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	124481
32106	CHLOROFORM, WHOLE WATER (UG/L)	67663
32260	CARBON TETRACHLORIDE EXTRACTABLES (MG/L)	56235
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	67663

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	108883
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	71432
34198	BHC-DELTA, WATER, WHOLE (LBS/DAY)	319868
34200	ACENAPHTHYLENE, TOTAL (UG/L)	208968
34201	ACENAPHTHYLENE, DISSOLVED (UG/L)	208968
34202	ACENAPHTHYLENE, SUSPENDED (UG/L)	208968
34205	ACENAPHTHENE, TOTAL (UG/L)	83329
34206	ACENAPHTHENE, DISSOLVED (UG/L)	83329
34207	ACENAPHTHENE, SUSPENDED (UG/L)	83329
34210	ACROLEIN, TOTAL (UG/L)	107028
34211	ACROLEIN, DISSOLVED (UG/L)	107028
34212	ACROLEIN, SUSPENDED (UG/L)	107028
34215	ACRYLONITRILE, TOTAL (UG/L)	107131
34216	ACRYLONITRILE, DISSOLVED (UG/L)	107131
34217	ACRYLONITRILE, SUSPENDED (UG/L)	107131
34220	ANTHRACENE, TOTAL (UG/L)	120127
34221	ANTHRACENE, DISSOLVED (UG/L)	120127
34222	ANTHRACENE, SUSPENDED (UG/L)	120127
34225	ASBESTOS (FIBROUS) TOTAL (UG/L)	1332214
34226	ASBESTOS (FIBROUS) DISSOLVED (UG/L)	1332214
34227	ASBESTOS (FIBROUS) SUSPENDED (UG/L)	1332214
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	205992
34231	BENZO(B)FLUORANTHENE, DISSOLVED (UG/L)	205992
34232	BENZO(B)FLUORANTHENE, SUSPENDED (UG/L)	205992
34235	BENZENE, DISSOLVED (UG/L)	71432
34236	BENZENE, SUSPENDED (UG/L)	71432
34239	BENZIDINE, DISSOLVED (UG/L)	92875
34240	BENZIDINE, SUSPENDED (UG/L)	92875

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	207089
34243	BENZO(K)FLUORANTHENE, DISSOLVED (UG/L)	207089
34244	BENZO(K)FLUORANTHENE, SUSPENDED (UG/L)	207089
34247	BENZO-A-PYRENE, TOTAL (UG/L)	50328
34248	BENZO-A-PYRENE, DISSOLVED (UG/L)	50328
34249	BENZO-A-PYRENE, SUSPENDED (UG/L)	50328
34253	A-BHC-ALPHA, DISSOLVED (UG/L)	319846
34254	A-BHC-ALPHA, SUSPENDED (UG/L)	319846
34255	B-BHC-BETA, DISSOLVED (UG/L)	319857
34256	B-BHC-BETA, SUSPENDED (UG/L)	319857
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	319868
34260	DELTA BENZENE HEXACHLORIDE, DISSOLVED (UG/L)	319868
34261	DELTA BENZENE HEXACHLORIDE, SUSPENDED (UG/L)	319868
34265	R-BHC (LINDANE) GAMMA, DISSOLVED (UG/L)	58899
34266	R-BHC (LINDANE) GAMMA, SUSPENDED (UG/L)	58899
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	111444
34274	BIS (2-CHLOROETHYL) ETHER, DISSOLVED (UG/L)	111444
34275	BIS (2-CHLOROETHYL) ETHER, SUSPENDED (UG/L)	111444
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	111911
34279	BIS (2-CHLOROETHOXY) METHANE, DISSOLVED (UG/L)	111911
34280	BIS (2-CHLOROETHOXY) METHANE, SUSPENDED (UG/L)	111911
34288	BROMOFORM, DISSOLVED (UG/L)	75252
34289	BROMOFORM, SUSPENDED (UG/L)	75252
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	85687
34293	N-BUTYL BENZYL PHTHALATE, DISSOLVED (UG/L)	85687
34294	N-BUTYL BENZYL PHTHALATE, SUSPENDED (UG/L)	85687
34297	CARBON TETRACHLORIDE, DISSOLVED (UG/L)	56235
34298	CARBON TETRACHLORIDE, SUSPENDED (UG/L)	56235

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34301	CHLOROBENZENE, TOTAL (UG/L)	108907
34302	CHLOROBENZENE, DISSOLVED (UG/L)	108907
34303	CHLOROBENZENE, SUSPENDED (UG/L)	108907
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	124481
34307	CHLORODIBROMOMETHANE, DISSOLVED (UG/L)	124481
34308	CHLORODIBROMOMETHANE, SUSPENDED (UG/L)	124481
34311	CHLOROETHANE, TOTAL (UG/L)	75003
34312	CHLOROETHANE, DISSOLVED (UG/L)	75003
34313	CHLOROETHANE, SUSPENDED (UG/L)	75003
34316	CHLOROFORM, DISSOLVED (UG/L)	67663
34317	CHLOROFORM, SUSPENDED (UG/L)	67663
34320	CHRYSENE, TOTAL (UG/L)	218019
34321	CHRYSENE, DISSOLVED (UG/L)	218019
34322	CHRYSENE, SUSPENDED (UG/L)	218019
34325	CYANIDE, SUSPENDED (MG/L)	57125
34327	DI-N-BUTYL PHTHALATE, DISSOLVED (UG/L)	84742
34328	DICHLOROBROMOMETHANE, DISSOLVED (UG/L)	75274
34329	DICHLOROBROMOMETHANE, SUSPENDED (UG/L)	75274
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	84662
34337	DIETHYL PHTHALATE, DISSOLVED (UG/L)	84662
34338	DIETHYL PHTHALATE, SUSPENDED (UG/L)	84662
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	131113
34342	DIMETHYL PHTHALATE, DISSOLVED (UG/L)	131113
34343	DIMETHYL PHTHALATE, SUSPENDED (UG/L)	131113
34346	1,2-DIPHENYLHYDRAZINE, TOTAL (UG/L)	122667
34347	1,2-DIPHENYLHYDRAZINE, DISSOLVED (UG/L)	122667
34348	1,2-DIPHENYLHYDRAZINE, SUSPENDED (UG/L)	122667
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	1031078

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34352	ENDOSULFAN SULFATE, DISSOLVED (UG/L)	1031078
34353	ENDOSULFAN SULFATE, SUSPENDED (UG/L)	1031078
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	33213659
34357	ENDOSULFAN, BETA, DISSOLVED (UG/L)	33213659
34358	ENDOSULFAN, BETA, SUSPENDED (UG/L)	33213659
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	959988
34362	ENDOSULFAN, ALPHA, DISSOLVED (UG/L)	959988
34363	ENDOSULFAN, ALPHA, SUSPENDED (UG/L)	959988
34371	ETHYLBENZENE, TOTAL (UG/L)	100414
34372	ETHYLBENZENE, DISSOLVED (UG/L)	100414
34373	ETHYLBENZENE, SUSPENDED (UG/L)	100414
34376	FLUORANTHENE, TOTAL (UG/L)	206440
34377	FLUORANTHENE, DISSOLVED (UG/L)	206440
34378	FLUORANTHENE, SUSPENDED (UG/L)	206440
34381	FLUORENE, TOTAL (UG/L)	86737
34382	FLUORENE, DISSOLVED (UG/L)	86737
34383	FLUORENE, SUSPENDED (UG/L)	86737
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	77474
34387	HEXACHLOROCYCLOPENTADIENE, DISSOLVED (UG/L)	77474
34388	HEXACHLOROCYCLOPENTADIENE, SUSPENDED (UG/L)	77474
34391	HEXACHLOROBUTADIENE, TOTAL (UG/L)	87683
34392	HEXACHLOROBUTADIENE, DISSOLVED (UG/L)	87683
34393	HEXACHLOROBUTADIENE, SUSPENDED (UG/L)	87683
34396	HEXACHLOROETHANE, TOTAL (UG/L)	67721
34397	HEXACHLOROETHANE, DISSOLVED (UG/L)	67721
34398	HEXACHLOROETHANE, SUSPENDED (UG/L)	67721
34401	HEXACHLOROBENZENE, DISSOLVED (UG/L)	118741
34402	HEXACHLOROBENZENE, SUSPENDED (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	193395
34404	INDENO (1,2,3-CD) PYRENE, DISSOLVED (UG/L)	193395
34405	INDENO (1,2,3-CD) PYRENE, SUSPENDED (UG/L)	193395
34408	ISOPHORONE, TOTAL (UG/L)	78591
34409	ISOPHORONE, DISSOLVED (UG/L)	78591
34410	ISOPHORONE, SUSPENDED (UG/L)	78591
34413	METHYL BROMIDE, TOTAL (UG/L)	74839
34414	METHYL BROMIDE, DISSOLVED (UG/L)	74839
34415	METHYL BROMIDE, SUSPENDED (UG/L)	74839
34418	METHYL CHLORIDE, TOTAL (UG/L)	74873
34419	METHYL CHLORIDE, DISSOLVED (UG/L)	74873
34420	METHYL CHLORIDE, SUSPENDED (UG/L)	74873
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	75092
34424	METHYLENE CHLORIDE, DISSOLVED (UG/L)	75092
34425	METHYLENE CHLORIDE, SUSPENDED (UG/L)	75092
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	621647
34429	N-NITROSODI-N-PROPYLAMINE, DISSOLVED (UG/L)	621647
34430	N-NITROSODI-N-PROPYLAMINE, SUSPENDED (UG/L)	621647
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	86306
34434	N-NITROSODIPHENYLAMINE, DISSOLVED (UG/L)	86306
34435	N-NITROSODIPHENYLAMINE, SUSPENDED (UG/L)	86306
34438	N-NITROSODIMETHYLAMINE, TOTAL (UG/L)	62759
34439	N-NITROSODIMETHYLAMINE, DISSOLVED (UG/L)	62759
34440	N-NITROSODIMETHYLAMINE, SUSPENDED (UG/L)	62759
34443	NAPHTHALENE, DISSOLVED (UG/L)	91203
34444	NAPHTHALENE, SUSPENDED (UG/L)	91203
34447	NITROBENZENE, TOTAL (UG/L)	98953
34448	NITROBENZENE, DISSOLVED (UG/L)	98953

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34449	NITROBENZENE, SUSPENDED (UG/L)	98953
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	59507
34453	PARACHLOROMETA CRESOL, DISSOLVED (UG/L)	59507
34454	PARACHLOROMETA CRESOL, SUSPENDED (UG/L)	59507
34457	PCB - 1242, DISSOLVED (UG/L)	53469219
34458	PCB - 1242, SUSPENDED (UG/L)	53469219
34459	PCP (PENTACHLOROPHENOL), DISSOLVED (UG/L)	87865
34460	PCP (PENTACHLOROPHENOL), SUSPENDED (UG/L)	87865
34461	PHENANTHRENE, TOTAL (UG/L)	85018
34462	PHENANTHRENE, DISSOLVED (UG/L)	85018
34463	PHENANTHRENE, SUSPENDED (UG/L)	85018
34466	PHENOL, DISSOLVED (UG/L)	108952
34467	PHENOL, SUSPENDED (UG/L)	108952
34469	PYRENE, TOTAL (UG/L)	129000
34470	PYRENE, DISSOLVED (UG/L)	129000
34471	PYRENE, SUSPENDED (UG/L)	129000
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	127184
34476	TETRACHLOROETHYLENE, DISSOLVED (UG/L)	127184
34477	TETRACHLOROETHYLENE, SUSPENDED (UG/L)	127184
34481	TOLUENE, DISSOLVED (UG/L)	108883
34482	TOLUENE, SUSPENDED (UG/L)	108883
34485	TRICHLOROETHYLENE, DISSOLVED (UG/L)	79016
34486	TRICHLOROETHYLENE, SUSPENDED (UG/L)	79016
34493	VINYL CHLORIDE, DISSOLVED (UG/L)	75014
34494	VINYL CHLORIDE, SUSPENDED (UG/L)	75014
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	75343
34497	1,1-DICHLOROETHANE, DISSOLVED (UG/L)	75343
34498	1,1-DICHLOROETHANE, SUSPENDED (UG/L)	75343

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	75354
34502	1,1-DICHLOROETHYLENE, DISSOLVED (UG/L)	75354
34503	1,1-DICHLOROETHYLENE, SUSPENDED (UG/L)	75354
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	71556
34507	1,1,1-TRICHLOROETHANE, DISSOLVED (UG/L)	71556
34508	1,1,1-TRICHLOROETHANE, SUSPENDED (UG/L)	71556
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	79005
34512	1,1,2-TRICHLOROETHANE, DISSOLVED (UG/L)	79005
34513	1,1,2-TRICHLOROETHANE, SUSPENDED (UG/L)	79005
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	79345
34517	1,1,2,2-TETRACHLOROETHANE, DISSOLVED (UG/L)	79345
34518	1,1,2,2-TETRACHLOROETHANE, SUSPENDED (UG/L)	79345
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	191242
34522	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, DISS. (UG/L)	191242
34523	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, SUSP. (UG/L)	191242
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	56553
34527	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, DISS. (UG/L)	56553
34528	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, SUSP. (UG/L)	56553
34531	1,2-DICHLOROETHANE, TOTAL (UG/L)	107062
34532	1,2-DICHLOROETHANE, DISSOLVED (UG/L)	107062
34533	1,2-DICHLOROETHANE, SUSPENDED (UG/L)	107062
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	95501
34537	1,2-DICHLOROBENZENE, DISSOLVED (UG/L)	95501
34538	1,2-DICHLOROBENZENE, SUSPENDED (UG/L)	95501
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	78875
34542	1,2-DICHLOROPROPANE, DISSOLVED (UG/L)	78875
34543	1,2-DICHLOROPROPANE, SUSPENDED (UG/L)	78875
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	156605

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34547	TRANS-1,2-DICHLOROETHENE, DISSOLVED (UG/L)	156605
34548	TRANS-1,2-DICHLOROETHENE, SUSPENDED (UG/L)	156605
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	120821
34552	1,2,4-TRICHLOROBENZENE, DISSOLVED (UG/L)	120821
34553	1,2,4-TRICHLOROBENZENE, SUSPENDED (UG/L)	120821
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	53703
34557	1,2,5,6-DIBENZANTHRACENE, DISSOLVED (UG/L)	53703
34558	1,2,5,6-DIBENZANTHRACENE, SUSPENDED (UG/L)	53703
34561	1,3-DICHLOROPROPENE, TOTAL (UG/L)	542756
34562	1,3-DICHLOROPROPENE, DISSOLVED (UG/L)	542756
34563	1,3-DICHLOROPROPENE, SUSPENDED (UG/L)	542756
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	541731
34567	1,3-DICHLOROBENZENE, DISSOLVED (UG/L)	541731
34568	1,3-DICHLOROBENZENE, SUSPENDED (UG/L)	541731
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	106467
34572	1,4-DICHLOROBENZENE, DISSOLVED (UG/L)	106467
34573	1,4-DICHLOROBENZENE, SUSPENDED (UG/L)	106467
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	110758
34577	2-CHLOROETHYL VINYL ETHER, DISSOLVED (UG/L)	110758
34578	2-CHLOROETHYL VINYL ETHER, SUSPENDED (UG/L)	110758
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	91587
34582	2-CHLORONAPHTHALENE, DISSOLVED (UG/L)	91587
34583	2-CHLORONAPHTHALENE, SUSPENDED (UG/L)	91587
34586	2-CHLOROPHENOL, TOTAL (UG/L)	95578
34587	2-CHLOROPHENOL, DISSOLVED (UG/L)	95578
34588	2-CHLOROPHENOL, SUSPENDED (UG/L)	95578
34591	2-NITROPHENOL, TOTAL (UG/L)	88755
34592	2-NITROPHENOL, DISSOLVED (UG/L)	88755

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34593	2-NITROPHENOL, SUSPENDED (UG/L)	88755
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	117840
34597	DI-N-OCTYL PHTHALATE, DISSOLVED (UG/L)	117840
34598	DI-N-OCTYL PHTHALATE, SUSPENDED (UG/L)	117840
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	120832
34602	2,4-DICHLOROPHENOL, DISSOLVED (UG/L)	120832
34603	2,4-DICHLOROPHENOL, SUSPENDED (UG/L)	120832
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	105679
34607	2,4-DIMETHYLPHENOL, DISSOLVED (UG/L)	105679
34608	2,4-DIMETHYLPHENOL, SUSPENDED (UG/L)	105679
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	121142
34612	2,4-DINITROTOLUENE, DISSOLVED (UG/L)	121142
34613	2,4-DINITROTOLUENE, SUSPENDED (UG/L)	121142
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	51285
34617	2,4-DINITROPHENOL, DISSOLVED (UG/L)	51285
34618	2,4-DINITROPHENOL, SUSPENDED (UG/L)	51285
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	88062
34622	2,4,6-TRICHLOROPHENOL, DISSOLVED (UG/L)	88062
34623	2,4,6-TRICHLOROPHENOL, SUSPENDED (UG/L)	88062
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	606202
34627	2,6-DINITROTOLUENE, DISSOLVED (UG/L)	606202
34628	2,6-DINITROTOLUENE, SUSPENDED (UG/L)	606202
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	91941
34632	3,3'-DICHLOROBENZIDINE, DISSOLVED (UG/L)	91941
34633	3,3'-DICHLOROBENZIDINE, SUSPENDED (UG/L)	91941
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	101553
34637	4-BROMOPHENYL PHENYL ETHER, DISSOLVED (UG/L)	101553
34638	4-BROMOPHENYL PHENYL ETHER, SUSPENDED (UG/L)	101553

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	7005723
34642	4-CHLOROPHENYL PHENYL ETHER, DISSOLVED (UG/L)	7005723
34643	4-CHLOROPHENYL PHENYL ETHER, SUSPENDED (UG/L)	7005723
34646	4-NITROPHENOL, TOTAL (UG/L)	100027
34647	4-NITROPHENOL, DISSOLVED (UG/L)	100027
34648	4-NITROPHENOL, SUSPENDED (UG/L)	100027
34651	P,P'-DDD, DISSOLVED (UG/L)	72548
34652	P,P'-DDD, SUSPENDED (UG/L)	72548
34653	P,P'-DDE, DISSOLVED (UG/L)	72559
34654	P,P'-DDE, SUSPENDED (UG/L)	72559
34655	P,P'-DDT, DISSOLVED (UG/L)	50293
34656	P,P'-DDT, SUSPENDED (UG/L)	50293
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	534521
34658	DNOC (4,6-DINITRO-ORTHO-CRESOL), DISSOLVED (UG/L)	534521
34659	DNOC (4,6-DINITRO-ORTHO-CRESOL), SUSPENDED (UG/L)	534521
34662	PCB - 1221, DISSOLVED (UG/L)	11104282
34663	PCB - 1221, SUSPENDED (UG/L)	11104282
34665	PCB - 1232, DISSOLVED (UG/L)	11141165
34666	PCB - 1232, SUSPENDED (UG/L)	11141165
34671	PCB - 1016, TOTAL (UG/L)	12674112
34672	PCB - 1016, DISSOLVED (UG/L)	12674112
34673	PCB - 1016, SUSPENDED (UG/L)	12674112
34675	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD),TOT(UG/L)	1746016
34676	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(UG/L)	1746016
34677	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(UG/L)	1746016
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	108952
34696	NAPHTHALENE, TOTAL (UG/L)	91203
34750	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)TOT(PG/L)	1746016

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34751	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(PG/L)	1746016
34752	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(PG/L)	1746016
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	87865
39039	HEXACHLOROBENZENE WATER SAMPLE,ELECTRON CPT (UG/L)	118741
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	117817
39103	BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED, (UG/L)	117817
39104	BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED, (UG/L)	117817
39107	PHTHALATES,DIETHYLHEXYL SUS.FRAC.WTR DWT (MG/KG)	117817
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	84742
39114	DI-N-BUTYL PHTHALATE, SUSPENDED (UG/L)	84742
39115	PHTHALATES,DIBUTYL SUS.FRAC.WATER DWT (UG/KG)	84742
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	92875
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	75014
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	79016
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	309002
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP. (UG/L)	309002
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP. (UG/L)	309002
39336	BHC-ALPHA, WATER, WHOLE (LBS/DAY)	319846
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319846
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319857
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	58899
39341	GAMMA-BHC(LINDANE), DISSOLVED (UG/L)	58899
39342	GAMMA-BHC(LINDANE), SUSPENDED (UG/L)	58899
39344	BHC-GAMMA, WATER, WHOLE (LBS/DAY)	58899
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	57749

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39352	CHLORDANE(TECH MIX & METABS), DISSOLVED (UG/L)	57749
39353	CHLORDANE(TECH MIX & METABS), SUSPENDED (UG/L)	57749
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39361	DDD IN FILT. FRAC. OF WATER SMAPLE (UG/L)	72548
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72548
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39366	DDE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72559
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72559
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39371	DDT IN FILT. FRAC. OF WATER SAMPLE (UG/L)	50293
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	50293
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	60571
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	60571
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	60571
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	72208
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72208
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72208
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	8001352
39401	TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	8001352
39402	TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	8001352
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	76448
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE (UG/L)	76448
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	76448
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	1024573
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WAT. SAM. (UG/L)	1024573
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WAT. SAM. (UG/L)	1024573
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	11104282
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11141165

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	53469219
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	12672296
39501	PCB - 1248 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	12672296
39502	PCB - 1248 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	12672296
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11097691
39505	PCB - 1254 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11097691
39506	PCB - 1254 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11097691
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11096825
39509	PCB - 1260 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11096825
39510	PCB - 1260 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11096825
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	118741
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	87683
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	58899
39920	DNOC IN WHOLE WATER SAMPLE (UG/L)	534521
46322	LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE (UG/L)	58899
46323	DELTA-BHC IN WHOLE WATER SAMPLE (UG/L)	319868
46326	HEPTACHLOR AND METABOLITES IN WH. H2O SAMP. (UG/L)	76448
46479	CYANIDE, DISSOLVED, WATER (UG/L)	57125
46551	ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILT. (UG/L)	7440382
46559	CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER (UG/L-CD)	7440439
46560	CHROMIUM, FIELD ACIDIFIED-HN03-LAB FILT. (UG/L-CR)	7440473
46562	COPPER, FIELD ACIDIFIED-HNO3-LAB FILTER. (UG/L-CU)	7440508
46564	LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED (UG/L-PB)	7439921
46566	SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.(UG/L-AG)	7440224
46567	ZINC, EXTRACT. FIELD ACID W/HNO3, LAB FILT. (UG/L)	7440666
70012	PARACHLOROMETA CRESOL, WATER, WHOLE (LBS/DAY)	59507
70017	HEXACHLOROCYCLOPENTADIENE, WATER, WHOLE (LBS/DAY)	77474
70021	LEAD, (TCLP), WATER, TOTAL (MG/L)	7439921

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
71890	MERCURY, DISSOLVED (UG/L AS HG)	7439976
71895	MERCURY, SUSPENDED (UG/L AS HG)	7439976
71900	MERCURY, TOTAL (UG/L AS HG)	7439976
71901	MERCURY, TOTAL RECOVERABLE IN WATER AS HG (UG/L)	7439976
71946	CADMIUM, EXTRACTABLE (UG/L AS CD)	7440439
71947	CHROMIUM, EXTRACTABLE (UG/L AS CR)	7440473
71949	LEAD, EXTRACTABLE (UG/L AS PB)	7439921
71950	ZINC, EXTRACTABLE (UG/L AS ZN)	7440666
71951	COPPER, EXTRACTABLE (UG/L AS CU)	7440508
73063	CHLOROGUAIACOL,4-, TOTAL, WATER (UG/L)	16766306
73522	PROPANE, 2,2'-OXYBIS(1-CHLORO)- TOTAL (UG/L)	108601
77163	1,3-DICHLOROPROPENE-1, WHOLE WATER (UG/L)	542756
77354	1,1-DICHLORO-2,2-DIFLUOROETHANE WHOLE WATER (UG/L)	471432
77771	3-CHLORO-4-HYDROXYBENZOPHENONE, WHOLE WATER (UG/L)	55191203
78113	ETHYL BENZENE WHOLE WATER SAMPLE (UG/L)	100414
78124	BENZENE IN WATER (VOLATILE ANALYSIS) (UG/L)	71432
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) (UG/L)	108883
78208	2,4-DINITRO-O-CRESOL IN WHOLE WATER SAMPLE (UG/L)	534521
78247	CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE, WT (UG/L)	18540299
78248	CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE (UG/L)	57125
80357	CHROMIUM, TRIVALENT, DISSOLVED, AS CR	16065831
81208	CYANIDE, FREE (NOT AMEN. TO CHLORINATION) (MG/L)	57125
81210	CYANIDE - STATE OF ILLINOIS (MG/L)	57125
81214	CADMIUM - STATE OF ILLINOIS (MG/L)-COLD	7440439
81215	CHROMIUM - STATE OF ILLINOIS (MG/L), COLD DIGEST	18540299
81216	CHROMIUM(TRI)-STATE OF ILLINOIS (MG/L)-COLD DIGEST	16065831
81217	CHROMIUM, TOTAL - STATE OF ILLINOIS (MG/L) COLD DIGEST	7440473
81218	COPPER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
81220	LEAD, STATE OF ILLINOIS, MG/L, COLD DIGEST	7439921
81222	NICKEL - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440020
81223	SILVER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440224
81224	ZINC - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440666
81642	SILVER (AG) IN WATER POUNDS PER DAY (LBS/DAY)	7440224
81750	COPPER, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440508
81751	LEAD, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7439921
81752	NICKEL, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440020
81753	CADMIUM, INTERSTITIAL WATER FROM SEDIMENT	7440439
81754	ZINC, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440666
81766	HEPTACHLOR EPOXIDE IN EPILITHIC ALGAE SED. (UG/KG)	1024573
81931	MERCURY (HG) SUSPENDED FRACTION OF WATER (UG/G)	7439976
81932	CADMIUM (CD) SUSPENDED FRACTION OF WATER (UG/G)	7440439
81933	ZINC (ZN) SUSPENDED FRACTION OF WATER (UG/G)	7440666
81934	LEAD (PB) SUSPENDED FRACTION OF WATER (UG/G)	7439921
81936	LEAD (PB) DISSOLVED CATIONIC SPECIES (UG/L)	7439921
81937	CADMIUM (CD) DISSOLVED CATIONIC SPECIES (UG/L)	7440439
81938	CHROMIUM, DISSOLVED CATIONIC SPECIES (UG/L)	7440473
81939	COPPER (CU) DISSOLVED CATIONIC SPECIES (UG/L)	7440508
81940	ZINC (ZN) DISSOLVED CATIONIC SPECIES (UG/L)	7440666
81941	CHROMIUM, DISSOLVED ANIONIC SPECIES (UG/L)	7440473
81942	COPPER (CU) DISSOLVED ANIONIC SPECIES (UG/L)	7440508
81943	ZINC (ZN) DISSOLVED ANIONIC SPECIES (UG/L)	7440666
82058	CHROMIUM, TOTAL, PERCENT REMOVAL	7440473
82399	CHROMIUM, HEXAVALENT (KG/BATCH)	18540299
82512	M,P-DICHLOROBENZENE (MEASURES 1,3&1,4) TOT. (UG/L)	541731
82573	CYANIDE/CHLORINATION IN WATER (MG/L)	57125
82621	HEXACHLOROBENZENE, WATER, TOTAL RECOVER. (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
82622	ENDRIN ALDEHYDE, WH. WATER, TOTAL RECOVER. (UG/L)	7421934
82623	ENDOSULFAN SULFATE, WATER, TOTAL RECOVER. (UG/L)	1031078
82624	ENDOSULFAN, BETA, WH. WATER, TOTAL RECOVER. (UG/L)	33213659
82626	1,2-DIPHENYLHYDRAZINE, WATER, TOTAL RECOVER. (UG/L)	122667
82627	PARACHLOROMETA CRESOL, WATER, TOTAL RECOVER. (UG/L)	59507
85006	ZINC, TOTAL - (#/DAY)	7440666
85007	CHROMIUM, TOTAL (#/DAY)	7440473
85010	NICKEL, TOTAL - (#/DAY)	7440020
85013	MERCURY, TOTAL - (#/DAY)	7439976

Appendix H

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As the nation's principal conservation agency, the Department of the Interior has the responsibility for most of our nationally owned public lands and natural and cultural resources. This includes fostering wise use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people. The Department also promotes the goals of the Take Pride in America campaign by encouraging stewardship and citizen responsibility for the public lands and promoting citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.